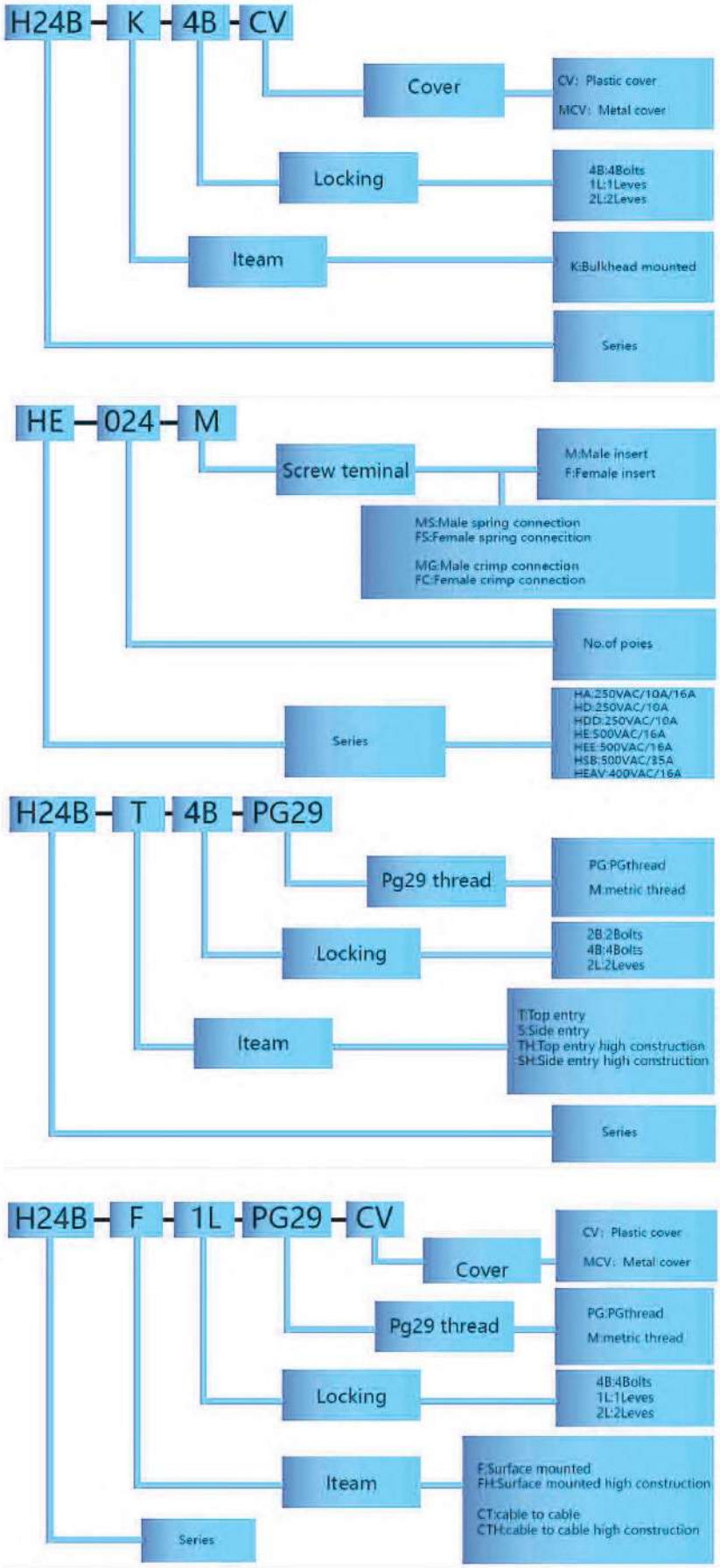
Разъемы и соединителидля тяжёлых условий эксплуатации

Heavy-duty connector

RSWN

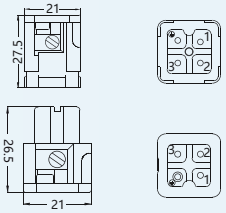
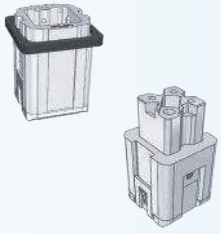
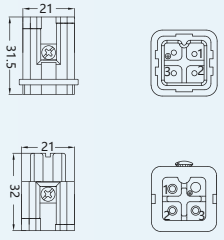


Heavy-Duty Connector

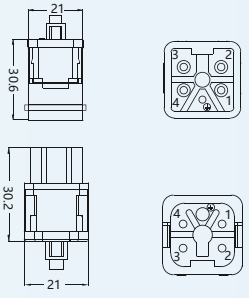
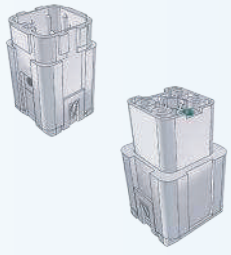
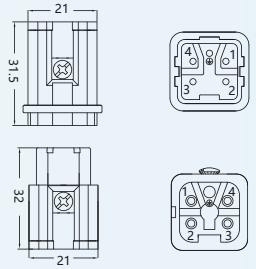
RSWN

- **HA-003/004**

Small Inserts 230/400V 10A ⏚

Product Picture	PartNumber	Dimension	Housing
Screw Connection 	HA-003-M HA-003-F	Pin arrangement wiring diagram 	Match 3A housing/Hold
Spring Connection 	HA-003-MS HA-003-FS		

Small Inserts 230/400V 10A 4+ ⏚

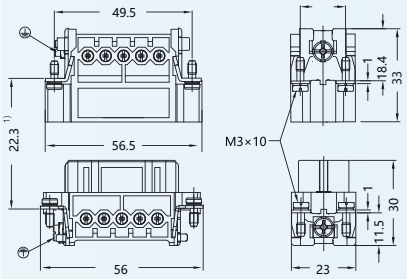
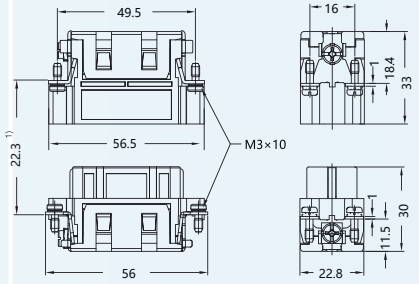
Product Picture	PartNumber	Dimension	Housing
Screw Connection 	HA-004-M HA-004-F	Pin arrangement wiring diagram 	Match 3A housing/Hold
	HA-004-MS HA-004-FS		

Heavy-Duty Connector

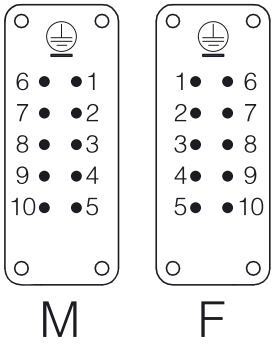
RSWN

HA-010

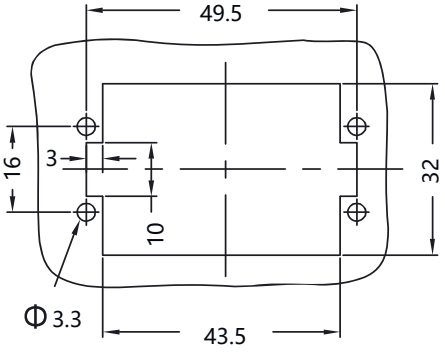
Small Inserts 230/400V 16A

Product Picture	PartNumber	Dimension	Housing
Screw Connection 	HA-010-M	Maximum distance between connectors 24mm 	Match 10A housing/Hold
	HA-010-F		
Spring clip crimping 	HA-010-MS	Maximum distance between connectors 24mm 	
	HA-010-FS		

Pin Sequence



Panel installation hole drawing

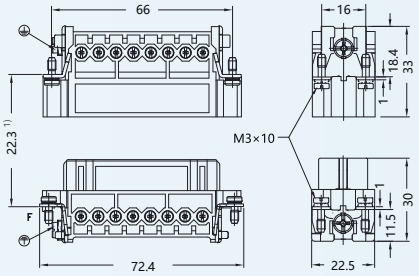
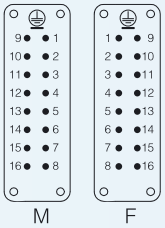
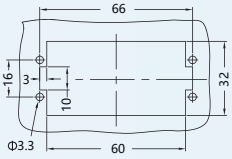


Heavy-Duty Connector

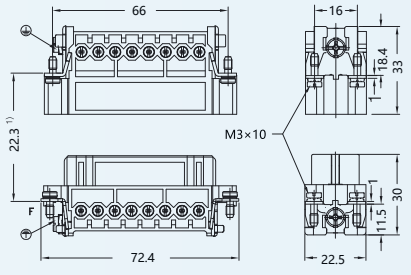
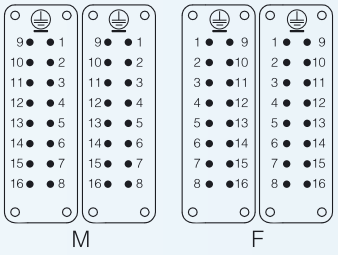
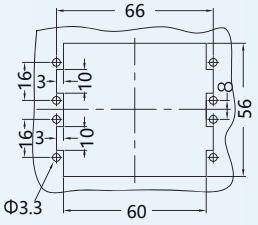
RSWN

HA-016

Small Inserts 250V 16A

Product Picture	PartNumber	Dimension	Housing
Screw Connection  	HA-016-M HA-016-F	Maximum distance between connectors 24mm  Pin Sequence  Panel installation hole drawing 	Match 16A housing/Hold

Small Inserts 250V 16A 32+

Product Picture	PartNumber	Dimension	Housing
Screw Connection 	HA-016-M (1-16) HA-016-M (17-32) HA-016-F (1-16) HA-016-F (17-32)	Maximum distance between connectors 24mm  Pin Sequence  Panel installation hole drawing 	Match 32A housing/Hold

Heavy-Duty Connector

RSWN

HE Series

Technical Characteristics

standard

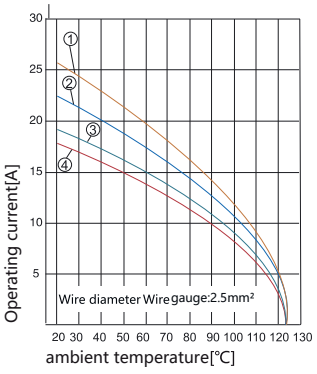
DIN EN 60 664
DIN EN 61 984

Insert

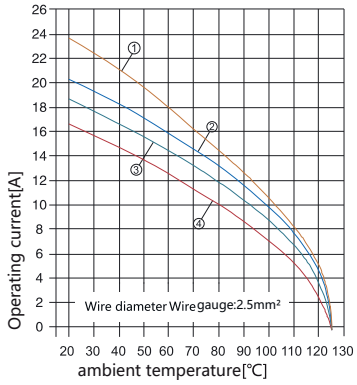
※Number of connector pins	6,10,16,24,32(2×16),48(2×24)+PE
※Rated current	16A
※See the right figure for current load capacity	
※Rated voltage	500V
※Rated impulse voltage	6KV
※class of pollution	3
※Parameters at pollution level 2	16A 400/690V 6KV 2
※According to UL/CSA rated voltage	600V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

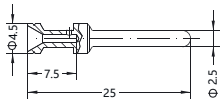


①HE-006-M/F
②HE-010-M/F
③HE-016-M/F
④HE-024-M/F



①HE-006-MS/FS
②HE-010-MS/FS
③HE-016-MS/FS
④HE-024-MS/FS

Crimping Pins



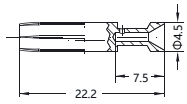


plate with silver

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

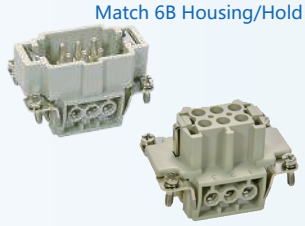
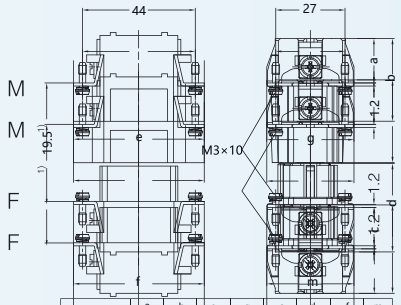
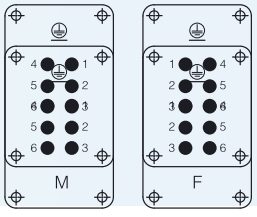
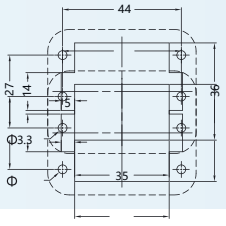
Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

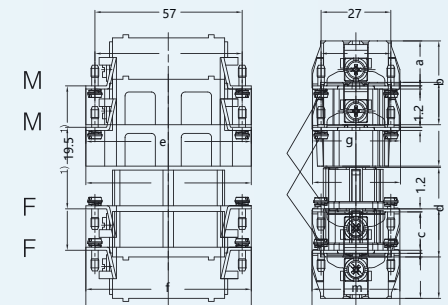
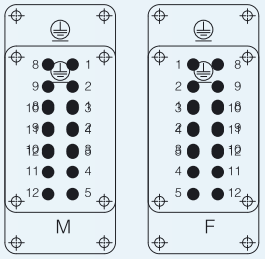
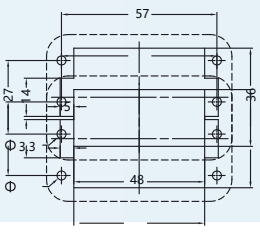
HE-006/010

Commen Inserts

Product Picture	PartNumber	Dimension
Screw Connection Match 6B Housing/Hold 	HE-006-M HE-006-F	The maximum distance between connectors is 21mm 
Spring Connection Match 6B Housing/Hold 	HE-006-MS HE-006-FS	Pin Sequence  Panel installation hole drawing 

a	b	e	g	c	d	f	m
M/F	16	32.4	51	34	16.8	34.5	50.5	34
MC/FC	18	33	51	34	18	35	50.5	34
MS/FS	18	33.3	51	34	18.2	35.4	50.5	34
MSS/FSS	34.5	49.5	50	34	33.4	50	50	34
MZ/FZ	17.4	32.5	51	33.8	17.2	34.5	51	33.8

Commen Inserts 500V 16A 10+

Product Picture	PartNumber	Dimension
Screw Connection Match10B Housing/Hold 	HE-010-M HE-010-F	The maximum distance between connectors is 21mm 
Spring Connection Match10B Housing/Hold 	HE-010-MS HE-010-FS	Pin Sequence  Panel installation hole drawing 

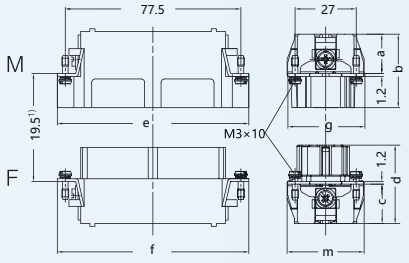
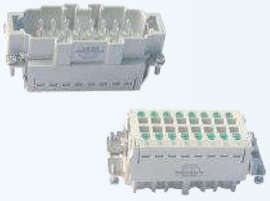
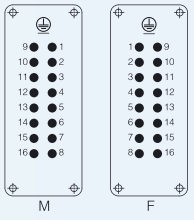
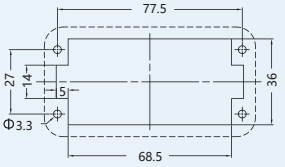
a	b	e	g	c	d	f	m
M/F	16.5	32	64.5	34	16.8	34.2	64	34
MC/FC	18	33	64	34	17.5	35.2	64	34
MS/FS	18.5	33.5	64	34	18.5	35.6	64	34
MSS/FSS	34	49	64	34	33.5	49.5	63	34
MZ/FZ	17.4	32.5	64	33.8	17.2	34.5	64	33.8

Heavy-Duty Connector

RSWN

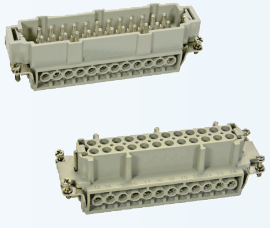
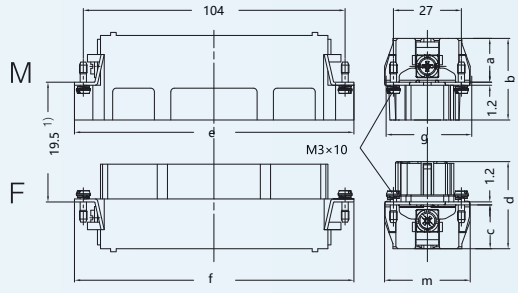
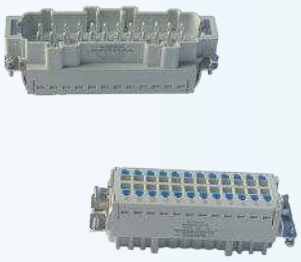
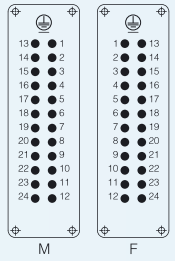
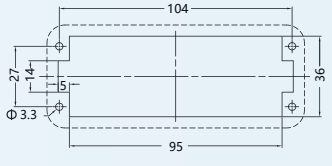
HE-016/024

Commen Inserts 500V

Product Picture	PartNumber	Dimension
Screw Connection Match 16B Housing/Hold 	HE-016-M HE-016-F	The maximum distance between connectors is 21mm 
Spring Connection Match 16B Housing/Hold 	HE-016-MS HE-016-FS	Pin Sequence  Panel installation hole drawing 

	a	b	e	g	c	d	f	m
M/F	17	32.5	84.2	34	17	34.5	84.2	33.5
MC/FC	18	33.5	84.5	34	18	35	84.5	34
MS/FS	18	33.7	84.5	34	18.2	35.5	84.5	34
MSS/FSS	34.3	49	84.5	34	32.2	49	84.5	34
MZ/FZ	17.4	32.5	84.5	33.8	17.2	34.5	84.5	33.8

Commen Inserts 500V 16A 24+

Product Picture	PartNumber	Dimension
Screw Connection Match 24B Housing/Hold 	HE-024-M HE-024-F	The maximum distance between connectors is 21mm 
Spring Connection Match 24B Housing/Hold 	HE-024-MS HE-024-FS	Pin Sequence  Panel installation hole drawing 

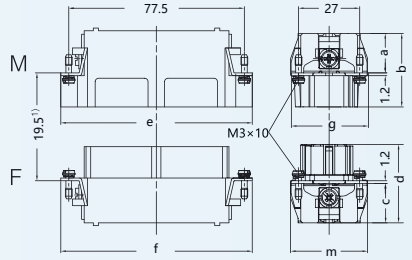
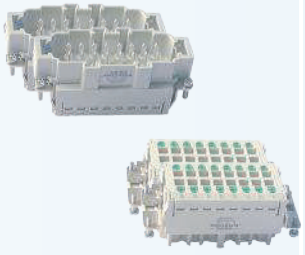
	a	b	e	g	c	d	f	m
M/F	17	32.5	111	33.5	17	34.5	111	33.5
MC/FC	18.3	33.5	111	34	18.3	35.5	111	34
MS/FS	18.5	33.6	111	34	18.5	35.6	111	34
MSS/FSS	34	49	110	34	32	49	110	34
MZ/FZ	17.4	32.5	111	33.8	17.2	34.5	111	33.8

Heavy-Duty Connector

RSWN

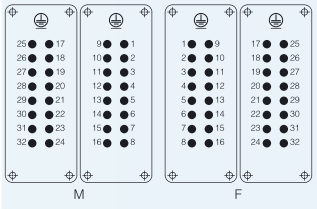
HE-032/048

Commen Inserts 500V

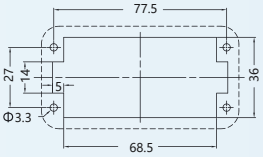
Product Picture	PartNumber	Dimension
Screw Connection Match 16B Housing/Hold 	HE-016-M (1-16) HE-016-M (17-32) HE-016-F (1-16) HE-016-F (17-32)	The maximum distance between connectors is 21mm 
Spring Connection Match 16B Housing/Hold 	HE-016-MS (1-16) HE-016-MS (17-32) HE-016-FS (1-16) HE-016-FS (17-32)	

	a	b	e	g	c	d	f	m
M/F	17	32.5	84.2	34	17	34.5	84.2	33.5
MC/FC	18	33.5	84.5	34	18	35	84.5	34
MS/FS	18	33.7	84.5	34	18.2	35.5	84.5	34
MSS/FSS	34.3	49	84.5	34	32.2	49	84.5	34
MZ/FZ	17.4	32.5	84.5	33.8	17.2	34.5	84.5	33.8

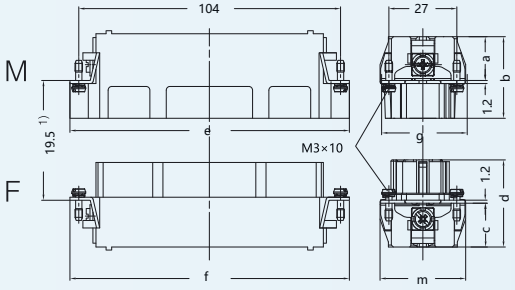
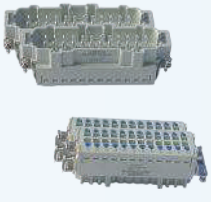
Pin Sequence



Panel installation hole drawing

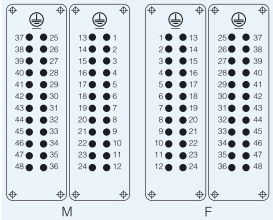


Commen Inserts 500V 16A 48+

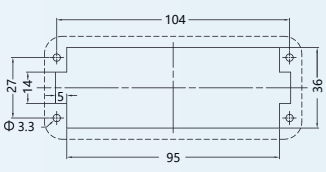
Product Picture	PartNumber	Dimension
Screw Connection Match 24B Housing/Hold 	HE-024-M (1-24) HE-024-M (25-48) HE-024-F (1-24) HE-024-F (25-48)	The maximum distance between connectors is 21mm 
Spring Connection Match 24B Housing/Hold 	HE-024-MS (1-24) HE-024-MS (25-48) HE-024-FS (1-24) HE-024-FS (25-48)	

	a	b	e	g	c	d	f	m
M/F	17	32.5	111	33.5	17	34.5	111	33.5
MC/FC	18.3	33.5	111	34	18.3	35.5	111	34
MS/FS	18.5	33.6	111	34	18.5	35.6	111	34
MSS/FSS	34	49	110	34	32	49	110	34
MZ/FZ	17.4	32.5	111	33.8	17.2	34.5	111	33.8

Pin Sequence



Panel installation hole drawing



Heavy-Duty Connector

RSWN

HEE Series

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	10,18,32,46,40,64(2×32),92(2×46)+PE
※Rated current	16A
※See the right figure for current load capacity	
※Rated voltage	500V
※Rated impulse voltage	6KV
※class of pollution	3
※Parameters at pollution level 2	16A 830V 8KV 2
※According to UL/CSA rated voltage	600V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	gold-plated plate with silver
※contact resistance	≤1mΩ
※Wiring form	Crimping connecton
※Crimping connecton	
Cross Section	0.14-4.0mm²
AWG	26-12
Strip length	7.5mm

16A Crimping Pins

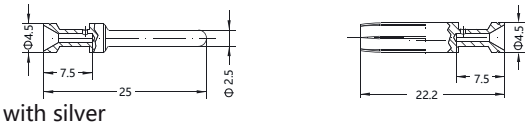


plate with silver

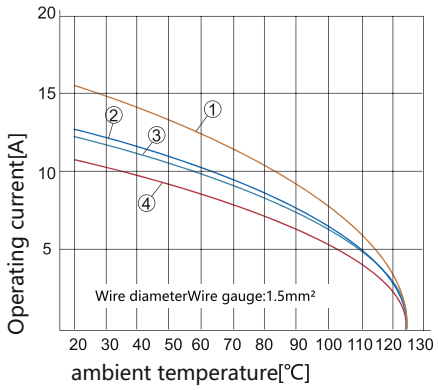
Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

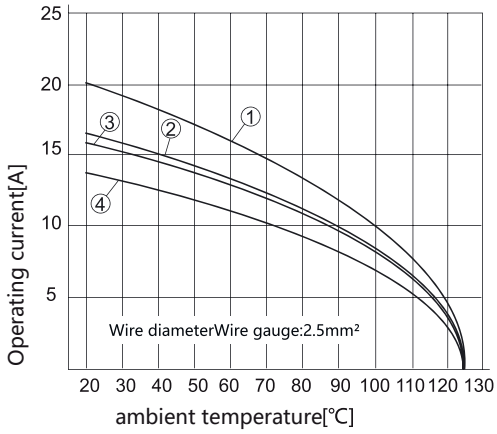
Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Current Load Capacity

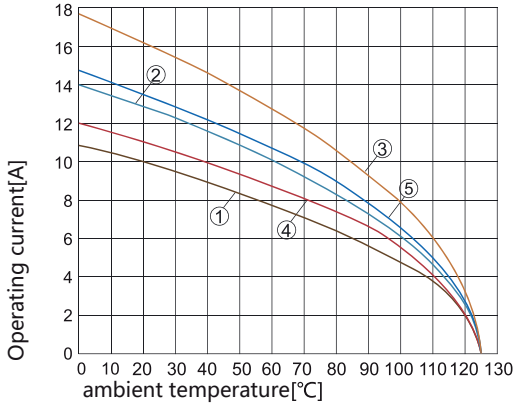
The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①HEE-010
②HEE-018
③HEE-032
④HEE-046



①HEE-010
②HEE-018
③HEE-032
④HEE-046



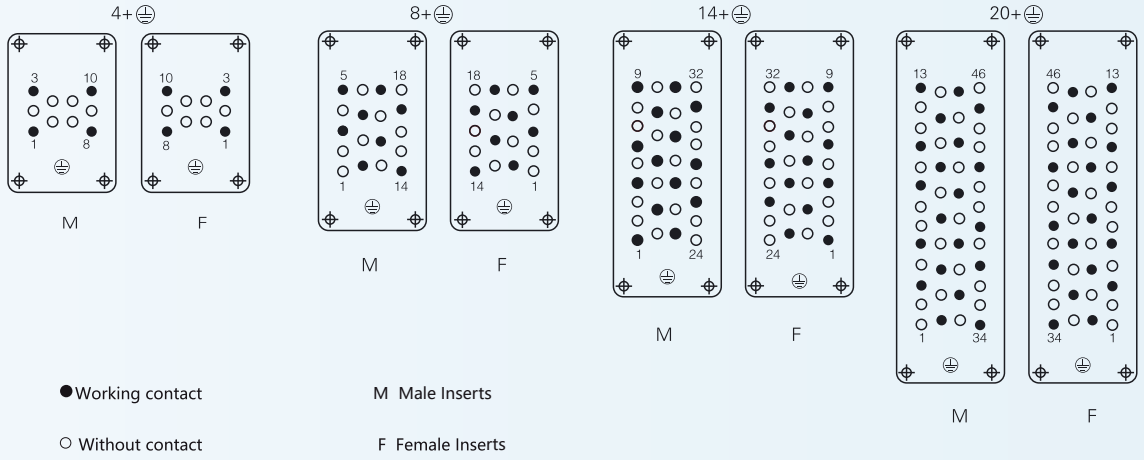
①HEE-064/1.5mm²
②HEE-064/2.5mm²
③HEE-064/4.0mm²
④HEE-040/1.5mm²
⑤HEE-040/1.5mm²

Heavy-Duty Connector

When HEE connector is full of pins, its working voltage can reach 500V when insulation grade is 3 (C). However, the pin distribution has been adjusted,Similarly, when the insulation grade is 3 (C), the allowable working voltage can reach 1000V.

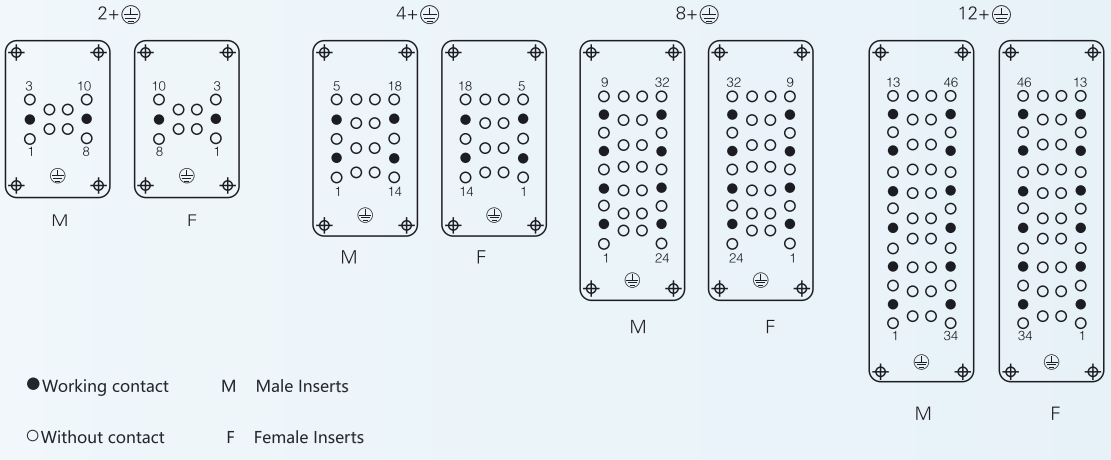
Pin Distribution Diagram After Adjustment-690V

690V-Insulation class3C Pollution degree 3



Pin Distribution Diagram After Adjustment-1000V

1000V-nsulation classC Pollution degree 3

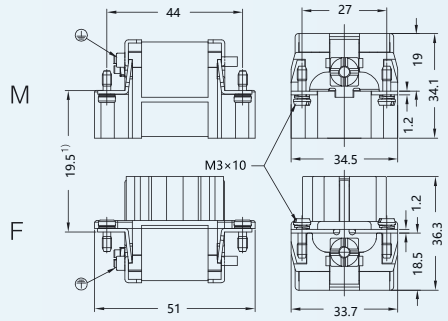
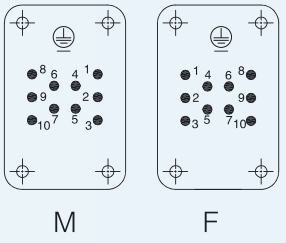
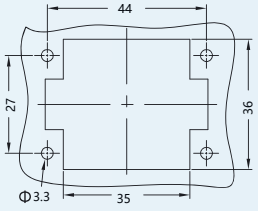


Heavy-Duty Connector

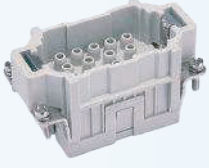
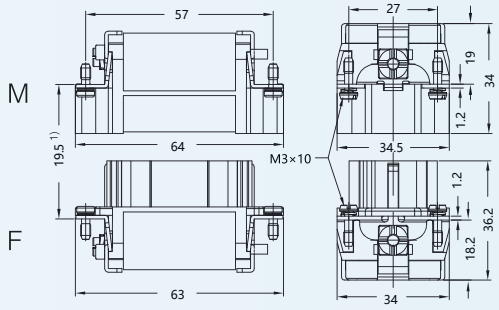
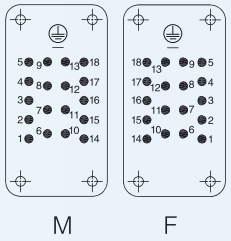
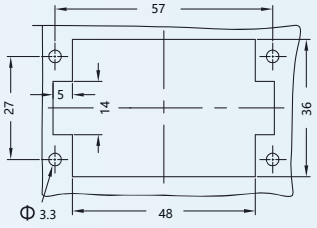
RSWN

- **HEE-010/018**

High Density Inserts 500V

Product Picture	PartNumber	Dimension
Crimping Inserts Match 6B Housing/Hold  	HEE-010-MC HEE-010-FC	The maximum distance between connectors is 21mm  Pin Sequence  Panel installation hole drawing 

High Density Inserts500V 16A 18+

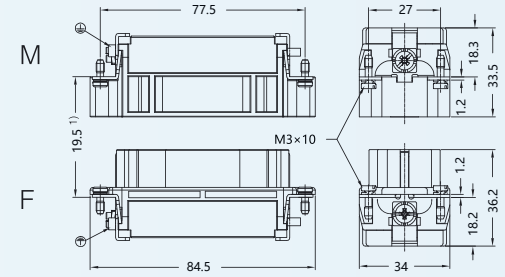
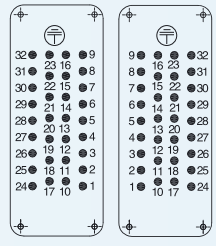
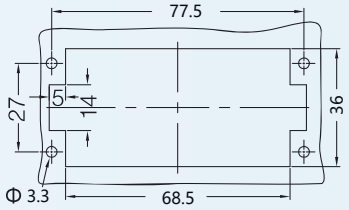
Product Picture	PartNumber	Dimension
Crimping Inserts Match 10B Housing/Hold  	HEE-018-MC HEE-018-FC	The maximum distance between connectors is 21mm  Pin Sequence  Panel installation hole drawing 

Heavy-Duty Connector

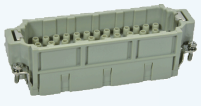
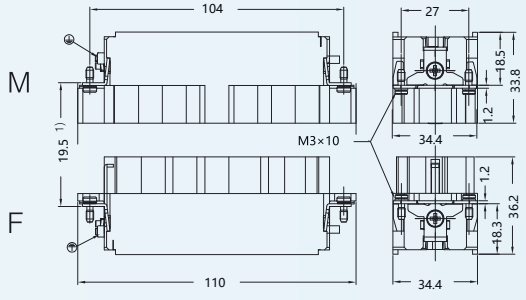
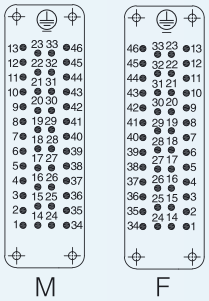
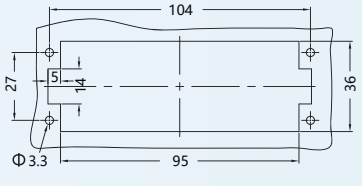
RSWN

- **HEE-032/046**

High Density Inserts 500V ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match 16B Housing/Hold 	HEE-032-MC	The maximum distance between connectors is 21mm 
	HEE-032-FC	Pin Sequence  Panel installation hole drawing 

High Density Inserts 500V 16A 46+ ⏚

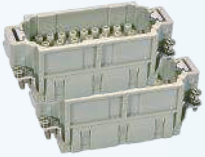
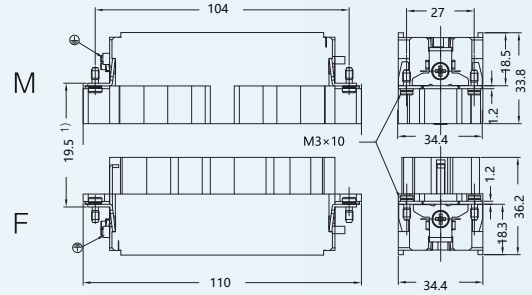
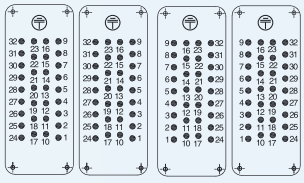
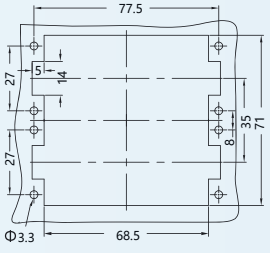
Product Picture	PartNumber	Dimension
Crimping Inserts Match 24B Housing/Hold 	HEE-046-MC	The maximum distance between connectors is 21mm 
	HEE-046-FC	Pin Sequence  Panel installation hole drawing 

Heavy-Duty Connector

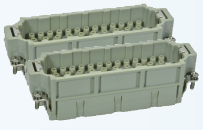
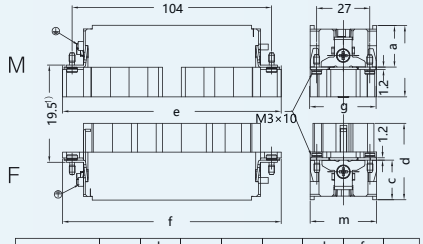
RSWN

HEE-064/092

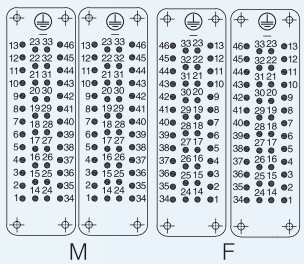
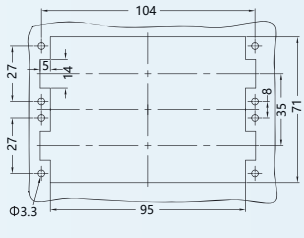
High Density Insertst 500V ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts   Match 32B Housing/Hold	HEE-032-MC（1-32） HEE-032-MC（33-64） HEE-032-FC（1-32） HEE-032-FC（33-64）	The maximum distance between connectors is 21mm  Pin Sequence Panel installation hole drawing   M F

High Density Insertst500V 16A 64+⏚

Product Picture	PartNumber	Dimension
Crimping Inserts   Match 24B/48 Housing/Hold	HEE-046-MC（1-46） HEE-046-MC（47-92） HEE-046-FC（1-46） HEE-046-FC（47-92）	The maximum distance between connectors is 21mm 

	a	b	e	g	c	d	f	m
M/F	18.5	33.8	110.5	34.4	18.3	36.2	110	34.4
MC/FC	18.3	33.8	110	34.4	18.2	36.2	110	34.4

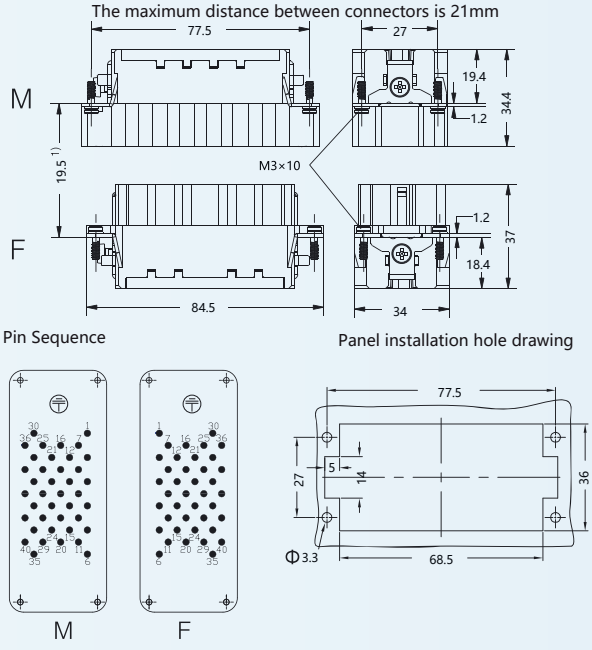
Pin Sequence Panel installation hole drawing   M F

Heavy-Duty Connector

RSWN

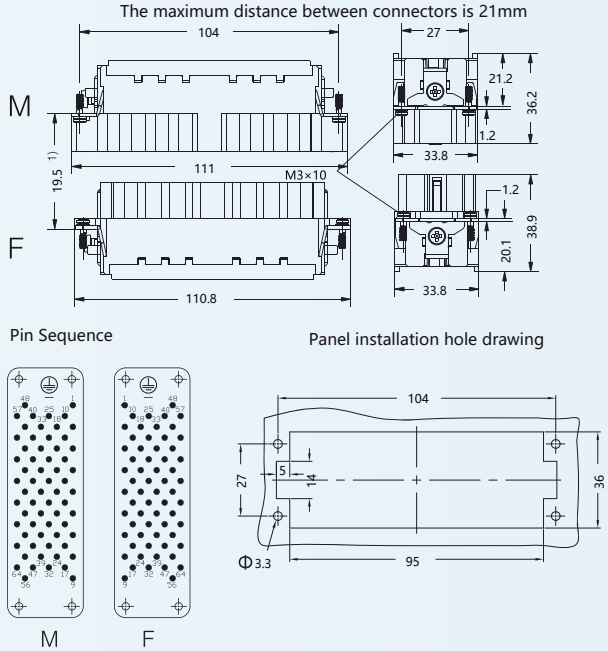
HEEE-040/064

High Density Insertst 500V ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts   Match 16B Housing/Hold	HEEE-040-MC HEEE-040-FC	

Cross section Strip length Female Male

High Density Insertst500V 16A 40+⏚

Product Picture	PartNumber	Dimension
Crimping Inserts   Match 24B Housing/Hold	HEEE-064-MC HEEE-064-FC	

Heavy-Duty Connector

RSWN

HD Series

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	7,8,15,25,40,50(25×2), 64,80(40×2),128(64×2)+PE
※Rated current	10A
※Rated voltage	250V
※See the right figure for current load capacity	
※Rated impulse voltage	4KV
※Pollution degree	3
※Parameters at pollution level 2	10A 230/400V 4KV 2
※According to UL/CSA rated voltage	600V
※Rated voltage according to CSA winding connection	2A 30V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※According to UL94 flame retardant grade	V0
Pluggable times	≥500

Electrical data of HD-008

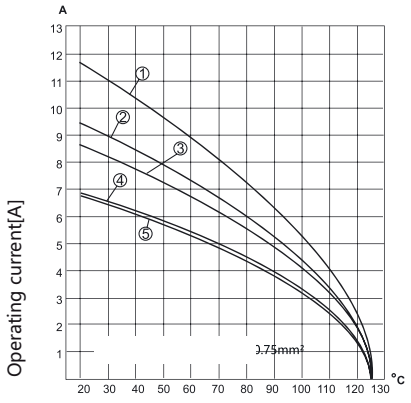
※Rated current	10A
※Rated voltage	~50V/-120V
※Rated impulse voltage	4KV
※Pollution degree	3
※According to UL/CSA rated voltage	50V
※Rated voltage (DC voltage))	120V

Pin

※Material Science	Cross Section
※surface treatment	gold-plated plate with silver
※contact resistance	≤3mΩ
※Wiring form	Crimping connecton
※Crimping connecton Cross Section	0.14-2.5mm²
AWG	26-14

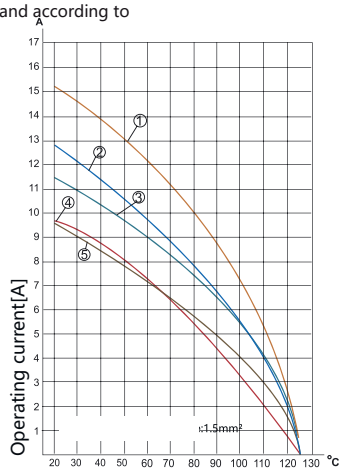
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



ambient temperature[℃]

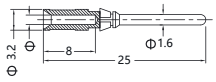
①HD-007
②HD-015
③HD-025
④HD-040
⑤HD-064



ambient temperature[℃]

①HD-007
②HD-015
③HD-025
④HD-040
⑤HD-064

10A Crimping Pins



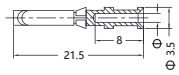


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

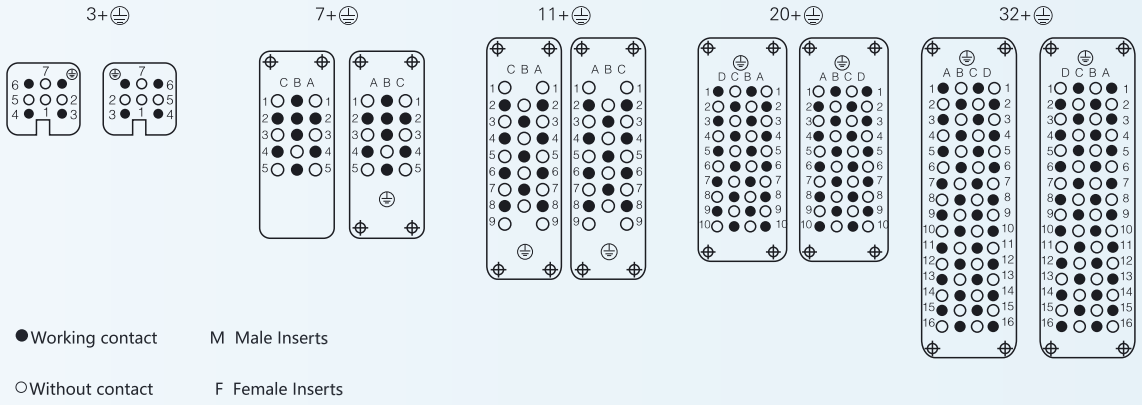
Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

When the HD connector is full of pins, its working voltage can reach 250V when the insulation grade is 3 (C). However, the pin distribution has been adjusted, Similarly, when the insulation grade is 3 (C), the allowable working voltage can reach 500V。

Pin Distribution Diagram After Adjustment

10A 500V 6KV 3

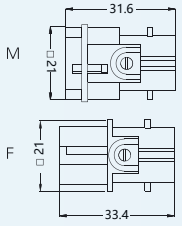
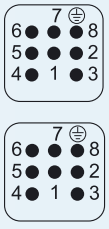


Heavy-Duty Connector

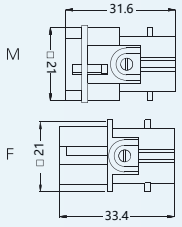
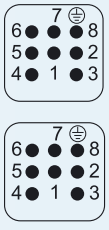
RSWN

- **HD-007/008/015**

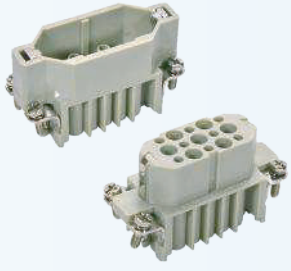
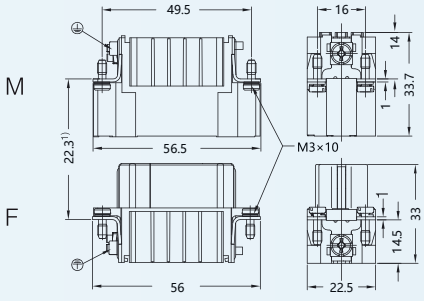
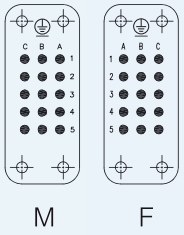
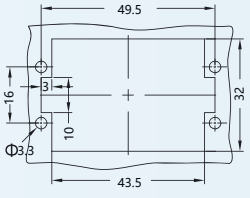
Ultra High Density Insertst

Product Picture	PartNumber	Dimension	Pin sequencing
Crimping Inserts  Match 3A housing/hold	HD-007-MC HD-007-FC		

Ultra high Density Insertst -120V/~50V 10A 8+

Product drawing	Form	Dimension	Pin sequencing
Crimping Inserts  Match 3A housing/hold	HD-008-MC HD-008-FC		

Ultra High Density Insertst250V 10A 15+

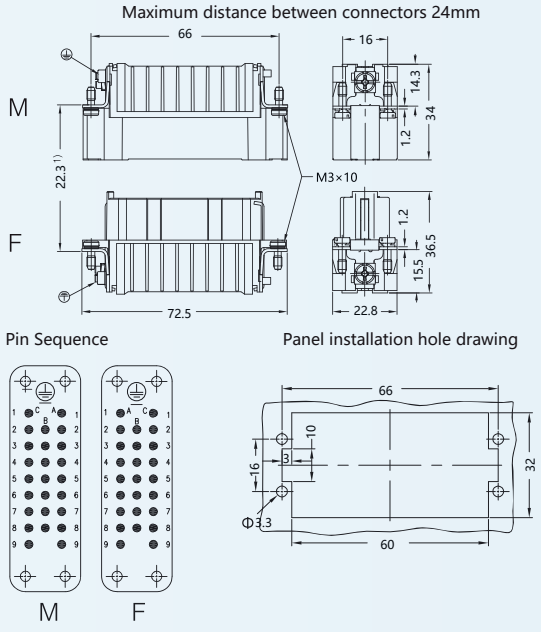
Product Picture	PartNumber	Dimension
Crimping Inserts  Match 10A housing/hold	HD-015-MC HD-015-FC	Maximum distance between connectors 24mm  Pin Sequence  Panel installation hole drawing 

Heavy-Duty Connector

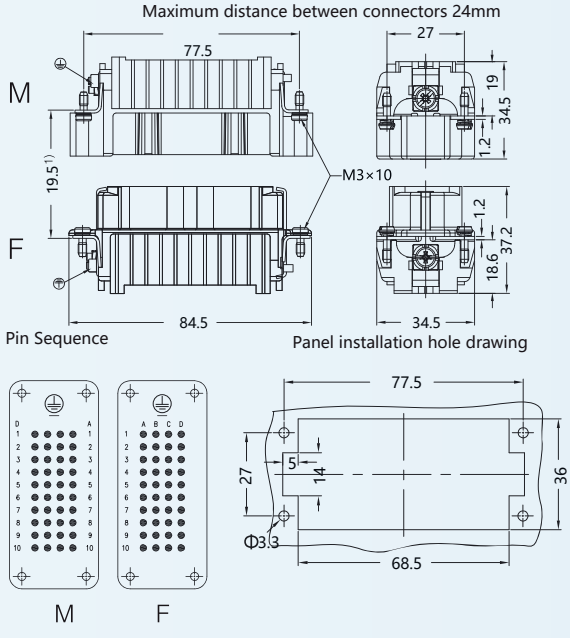
RSWN

- **HD-025/040**

Ultra High Density Insertst250V⏚

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 16A housing/hold	HD-025-MC HD-025-FC	

Ultra High Density Insertst250V 10A 40+⏚

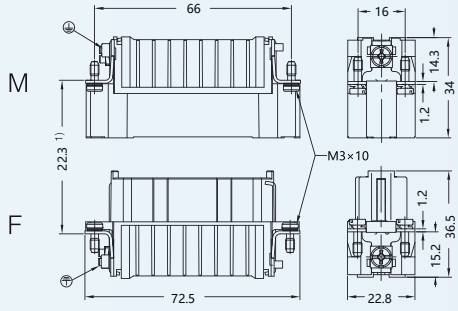
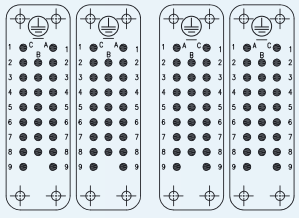
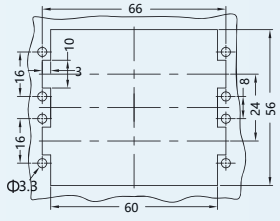
Product Picture	PartNumber	Dimension
Crimping Inserts  Match 16B housing/hold	HD-040-MC HD-040-FC	

Heavy-Duty Connector

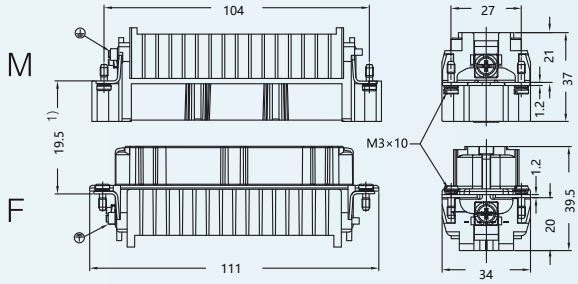
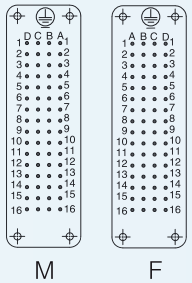
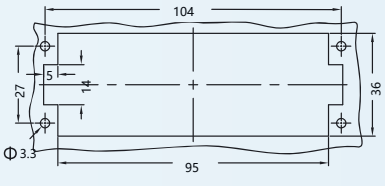
RSWN

HD-050/064

Ultra High Density Insertst250V

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 32A housing/hold	HD-025-MC (1-25) HD-025-MC (26-50) HD-025-FC (1-25) HD-025-FC (26-50)	Maximum distance between connectors 24mm  Pin Sequence  Panel installation hole drawing 

Ultra High Density Insertst250V 10A 64+

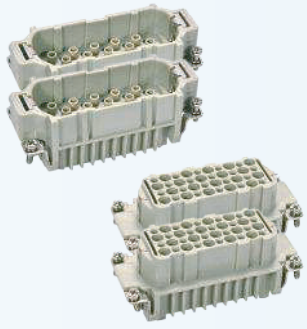
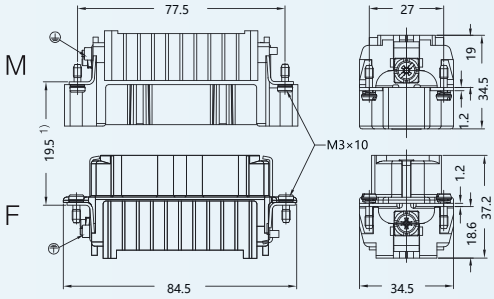
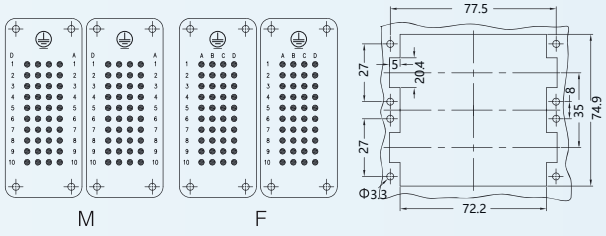
Product Picture	PartNumber	Dimension
Crimping Inserts  Match 24B housing/hold	HD-064-MC HD-064-FC	Maximum distance between connectors 24mm  Pin Sequence  Panel installation hole drawing 

Heavy-Duty Connector

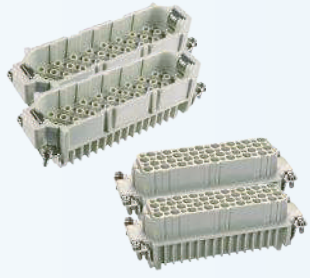
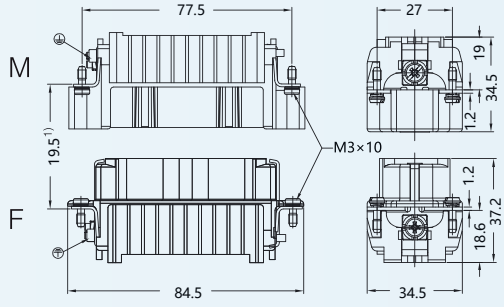
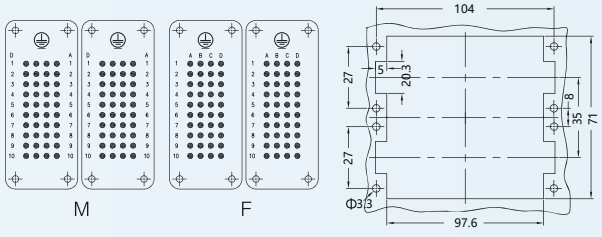
RSWN

- **HD-080/128**

Ultra High Density Insertst250V

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 32B housing/hold	HD-040-MC（1-40） HD-040-MC（41-80） HD-040-FC（1-40） HD-040-FC（41-80）	Maximum distance between connectors 24mm  Pin Sequence Panel installation hole drawing 

Ultra High Density Insertst250V 10A 128+

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 48B housing/hold	HD-064-MC（1-64） HD-064-MC（65-128） HD-064-FC（1-64） HD-064-FC（65-128）	Maximum distance between connectors 24mm  Pin Sequence Panel installation hole drawing 

Heavy-Duty Connector

RSWN

HDD Series

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	24,42,72,108,144(72×2),216(108×2)+PE
※Rated current	16A
※See the right figure for current load capacity	
※Rated voltage	250V
※Rated impulse voltage	4KV
※class of pollution	3
※Parameters at pollution level 2	10A 230V/400V 4KV 2
※According to UL/CSA rated voltage	600V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	gold-plated plate with silver
※contact resistance	≤3mΩ
※Wiring form	Crimping connecton
※Crimping connecton Cross Section AWG	 0.14-2.5mm² 26-14

10A Crimping Pins

plate with silver

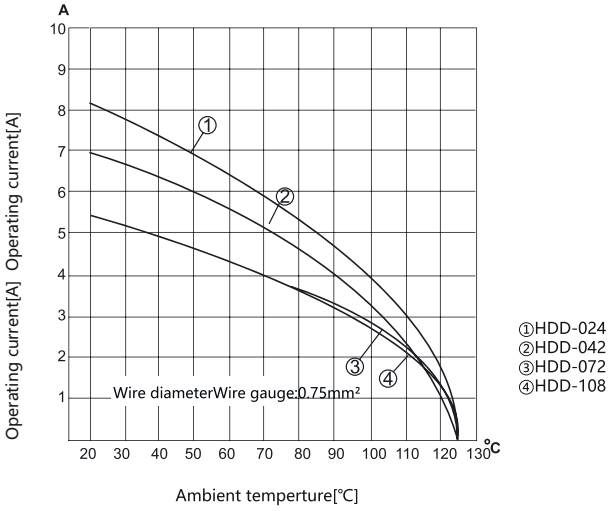
Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

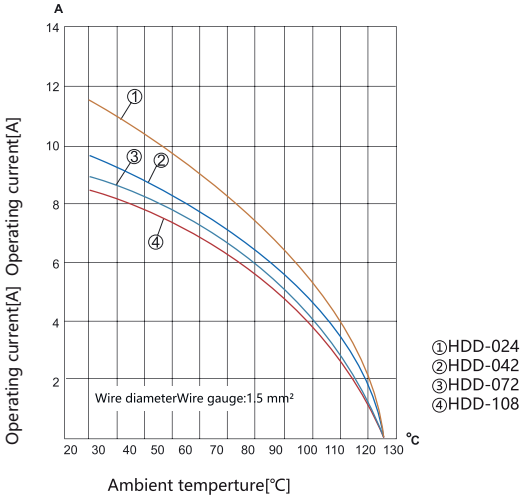
gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



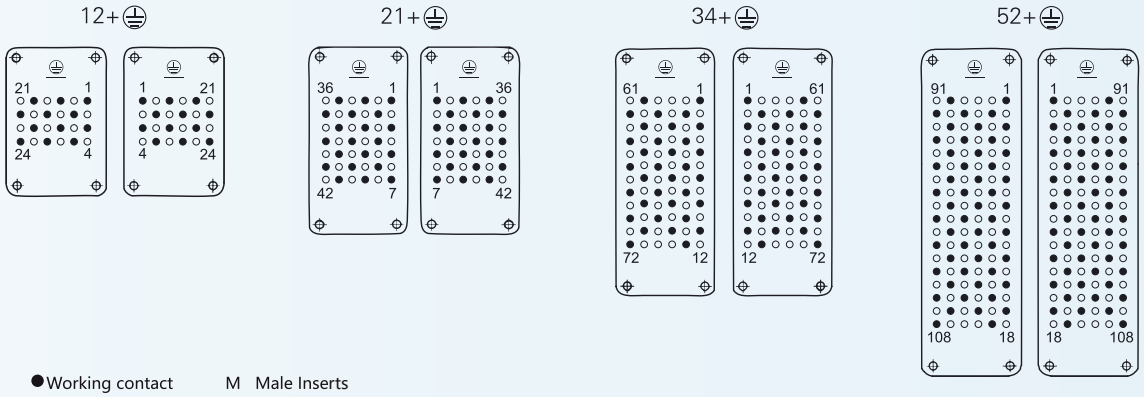


Heavy-Duty Connector

When the HD connector is full of pins, its working voltage can reach 250V when the insulation grade is 3 (C). However, the pin distribution has been adjusted,
Similarly, when the insulation grade is 3 (C), the allowable working voltage can reach 500V

Pin Distribution Diagram After Adjustment-400V

10A 400V 6KV 3

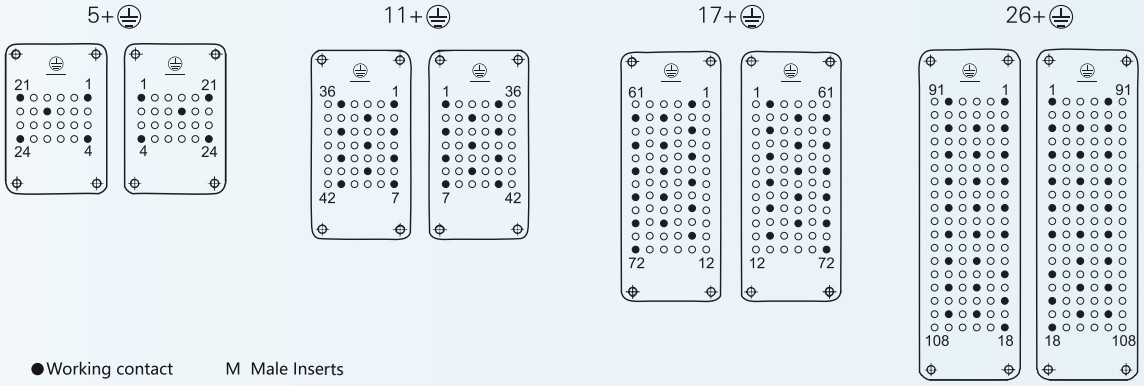


●Working contact M Male Inserts

○ Without contact F Female Inserts

Pin Distribution Diagram After Adjustment-500V

10A 500V 6KV 3



●Working contact M Male Inserts

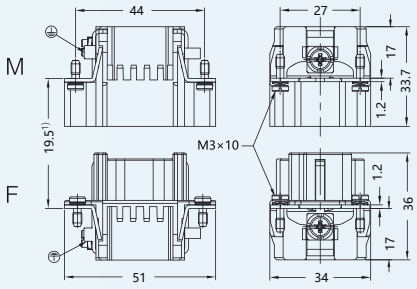
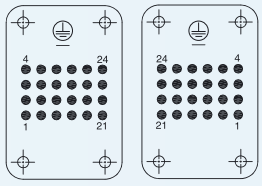
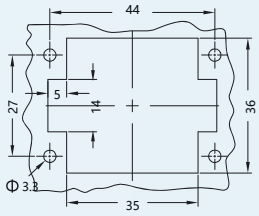
○ Without contact F Female Inserts

Heavy-Duty Connector

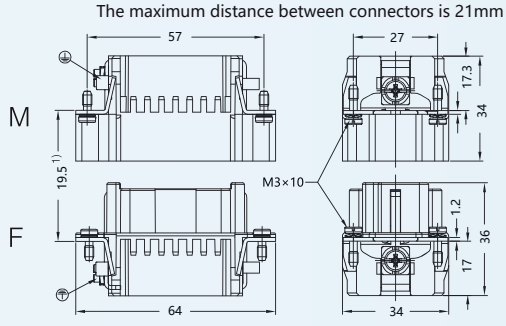
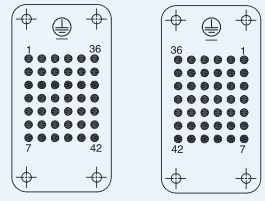
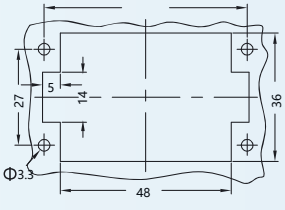
RSWN

HDD-024/042

Ultra Sigh Density Insertst 250V ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 6B housing/hold	HDD-024-MC HDD-024-FC	The maximum distance between connectors is 21mm  Pin Sequence  Panel installation hole drawing 

Ultra High Density Insertst250V 10A 42+ ⏚

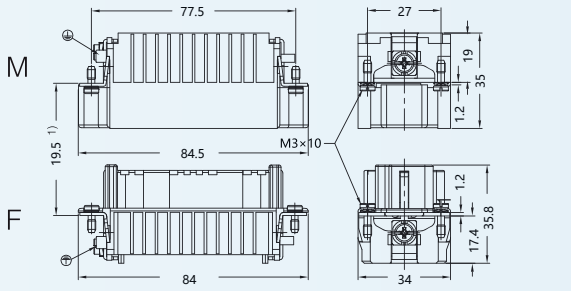
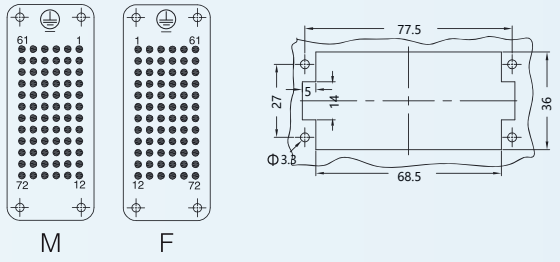
Product Picture	PartNumber	Dimension
Crimping Inserts  Match 10B housing/hold	HDD-042-MC HDD-042-FC	The maximum distance between connectors is 21mm  Pin Sequence  Panel installation hole drawing 

Heavy-Duty Connector

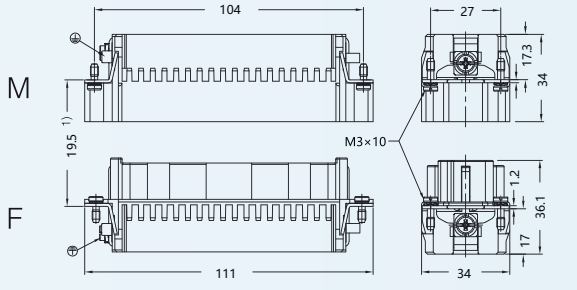
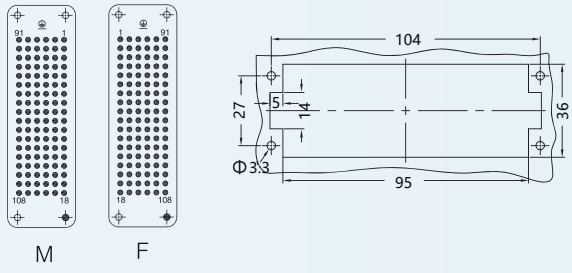
RSWN

HDD-072/108

Ultra High Density Insertst 250V ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts   Match 16B housing/hold	HDD-072-MC HDD-072-FC	The maximum distance between connectors is 21mm  Pin Sequence Panel installation hole drawing 

Ultra High Density Insertst 250V 10A 108+ ⏚

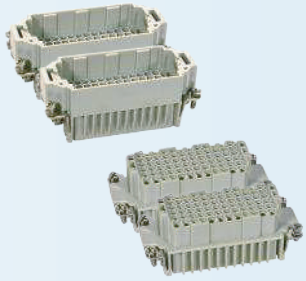
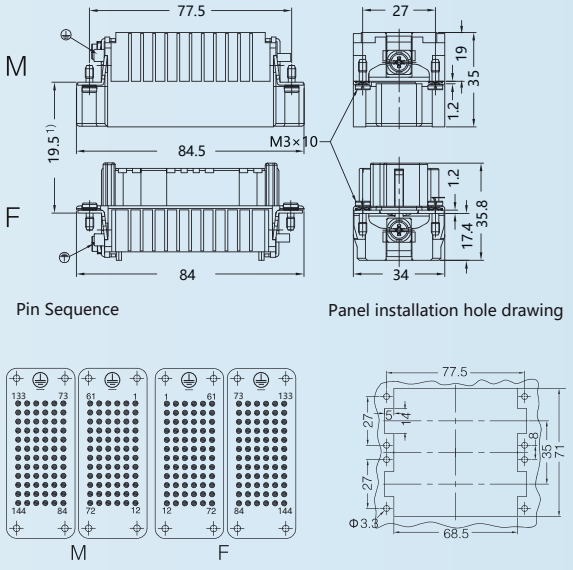
Product Picture	PartNumber	Dimension
Crimping Inserts   Match 24B housing/hold	HDD-108-MC HDD-108-FC	Maximum distance between connectors 24mm  Pin Sequence Panel installation hole drawing 

Heavy-Duty Connector

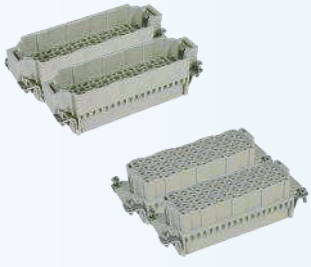
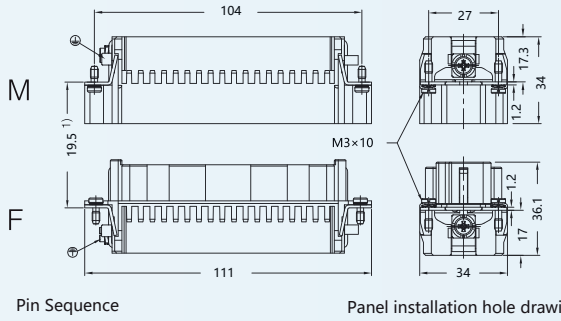
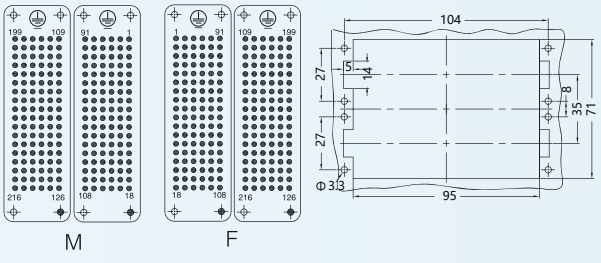
RSWN

HDD-144/216

Ultra High Density Insertst 250V⏚

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 32B housing/hold	HDD-072-MC(1-72) HDD-072-MC(73-144) HDD-072-FC(1-72) HDD-072-FC(73-144)	Maximum distance between connectors 24mm  Pin Sequence Panel installation hole drawing

Ultra High Density Insertst250V 10A 216+⏚

Product Picture	PartNumber	Dimension
Crimping Inserts  Match 48B housing/hold	HDD-108-MC(1-108) HDD-108-MC109-216) HDD-108-FC(1-108) HDD-108-FC(109-216)	Maximum distance between connectors 24mm  Pin Sequence Panel installation hole drawing 

Heavy-Duty Connector

RSWN

HSB Series

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

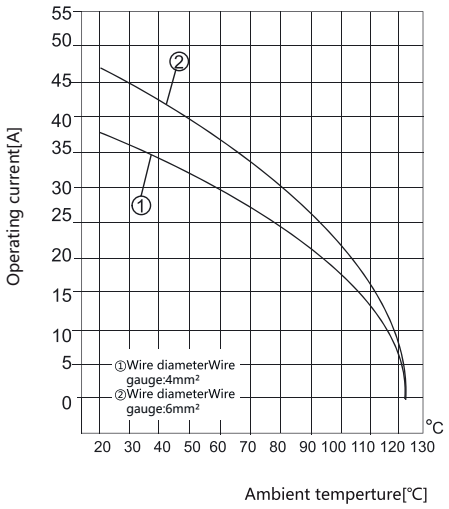
※Number of connector pins	6,12+PE
※Rated current	35A
※See the right figure for current load capacity	
	400V
※Rated voltage	690V
※Rated voltage between phases	6KV
※Rated impulse voltage	3
※class of pollution	35A 500 6KV3
or	600V
※According to UL/CSA rated voltage	≥10^{10}Ω
※insulation resistance	Polycarbonate
※Material Science	-40℃~+125℃
※Operating temperature range	V0
※Flame retardant grade	≥500
※Pluggable times	

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤1mΩ
※Wiring form	Screw connection
※Screw connection	
Cross Section	6mm²
AWG	10
Tightening torque	1.2Nm

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

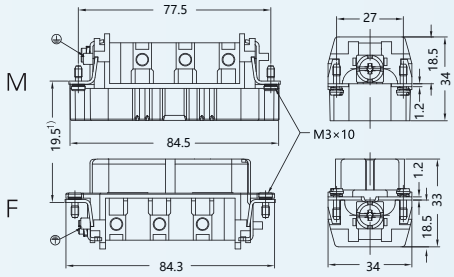
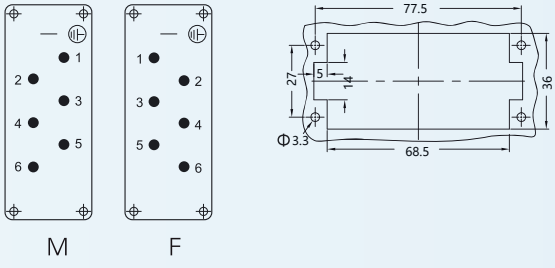


Heavy-Duty Connector

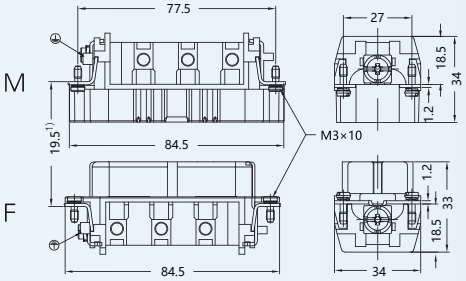
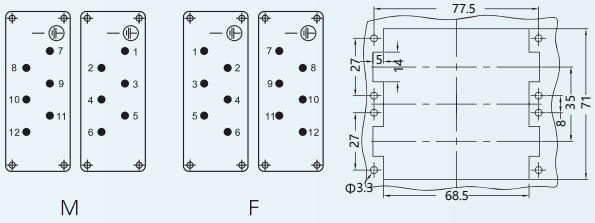
RSWN

HSB-006/012

High Current Type Insertst

Product Picture	PartNumber	Dimension
Screw connection   Match 16B housing/hold	HSB-006-M HSB-006-F	The maximum distance between connectors is 21mm  Pin Sequence Panel installation hole drawing 

High Current Type Insertst 400/690V 35A 12+

Product Picture	PartNumber	Dimension
Screw connection  Match 32B housing/hold	HSB-012-M HSB-012-F	Maximum distance between connectors 24mm  Pin Sequence Panel installation hole drawing 

Heavy-Duty Connector

RSWN

HK-008/24

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

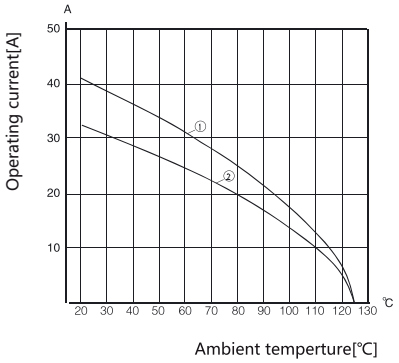
※Number of connector pins	8/24+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	16A
Rated voltage	230/400V
Rated impulse voltage	4KV
Pollution degree	3
Parameters at pollution level 2	10A 250V 4KV 2
※Signal area	
Rated current	10A
Rated voltage	160V
Rated impulse voltage	2.5KV
Pollution degree	3
※According to UL/CSA rated voltage	600/300V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	gold-plated plate with silver
contact resistance	≤1mΩ
Crimping Connecton	
Cross Section	0.5-4.0mm²
AWG	20-12
※Signal pin	
Material Science	copper alloy
surface treatment	gold-plated plate with silver
contact resistance	≤3mΩ
Crimping Connecton	
Cross Section	0.15-2.5mm²
AWG	25-14

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



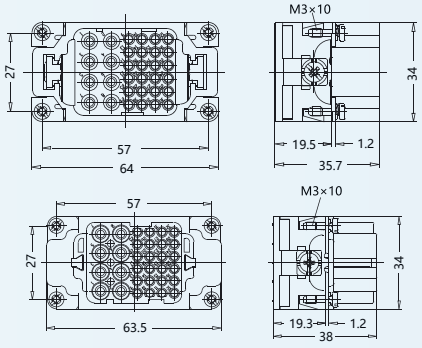
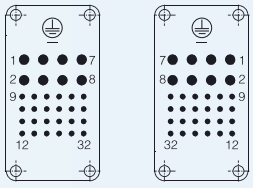
①Core cross-section Wire gauge: 4.0mm²
②Core cross-section Wire gauge: 2.5mm²

Heavy-Duty Connector

RSWN

HK-008/24

Combined Insertst 400/160V 16/10A ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts   Match 6B housing/hold	HK-008/24-MC HK-008/24-FC	The maximum distance between connectors is 21mm  Pin Sequence  M F

16A Crimping Pins

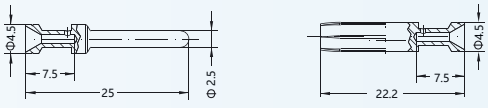


plate with silver

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

10A Crimping Pins

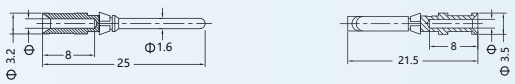


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HK-004/4

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

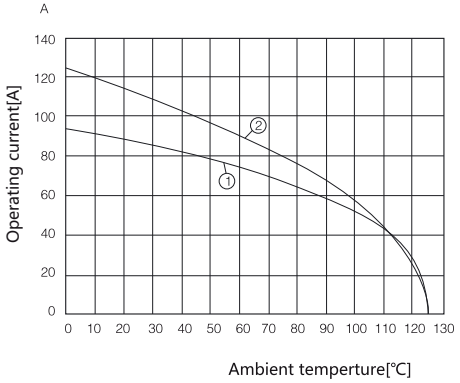
※Number of connector pins	4/4+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	70A
Rated voltage	690V
Rated impulse voltage	8KV
Pollution degree	3
※Signal area	
Rated current	16A
Rated voltage	250V
Rated impulse voltage	4KV
Pollution degree	3
※According to UL/CSA rated voltage	600/230V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤0.5mΩ
Crimping Connecton	
Cross Section	10-25mm²
AWG	8-4
Maximum cable diameter	11mm
Strip length	15.5mm
※Signal pin	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤1mΩ
Crimping Connecton	
Cross Section	0.14-4mm²
AWG	26-14

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



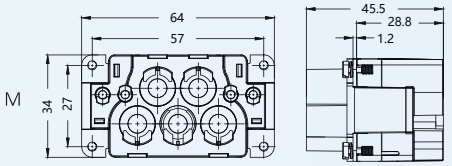
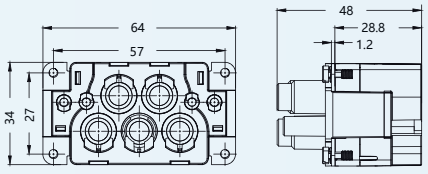
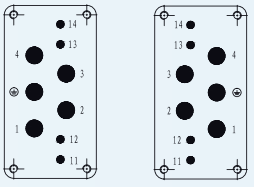
①Core cross-section Wire gauge: 16mm²
②Core cross-section Wire gauge: 25mm²

Heavy-Duty Connector

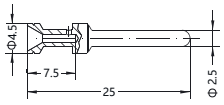
RSWN

HK-004/4

Combined Inserts 690/250V 70/16A

Product Picture	PartNumber	Dimension
Crimping Inserts 	HK-004/4-MC	The maximum distance between connectors is 21mm 
 Match 10B housing/hold	HK-004/4-FC	
		Pin Sequence 

16A Crimping Pins



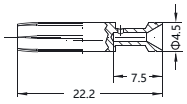


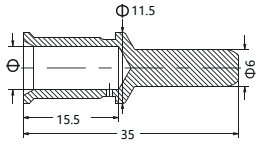
plate with silver

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

70A Crimping Pins



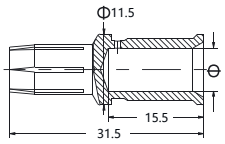


plate with silver

Cross section	Strip length	Φ	Female	Male
10mm²	15.5mm	4.3	CKSF70-10	CKSM70-10
16mm²	15.5mm	5.5	CKSF70-16	CKSM70-16
25mm²	15.5mm	7	CKSF70-25	CKSM70-25

Cable strands according to IEC 60 228-5
For standed wire according to IEC 60 228 Class 5

Heavy-Duty Connector

RSWN

HK-004/0,004/2

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

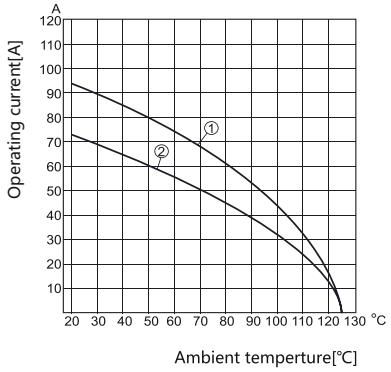
※Number of connector pins	4/0,4/2+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	80A
Rated voltage	830V
Rated impulse voltage	8KV
Pollution degree	3
Parameters at pollution level 2	80A 1000V 8KV 2
※Signal area	
Rated current	16A
Rated voltage	400V
Rated impulse voltage	6KV
Pollution degree	3
Parameters at pollution level 2	16A 400/690V 6KV 2
※According to UL/CSA rated voltage	600/230V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤0.3mΩ
Screw connection	
Cross Section	1.5-25mm²
AWG	16-6
Tightening torque	
mm²	1.5 2.5 4 6 10 16
Nm	1.2 2 3 3 3 3
Strip length	14mm
※Signal pin	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤1mΩ
Screw connection	
Cross Section	0.5-2.5mm²
AWG	20-14
Tightening torque	0.5Nm
Strip length	7.5mm

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



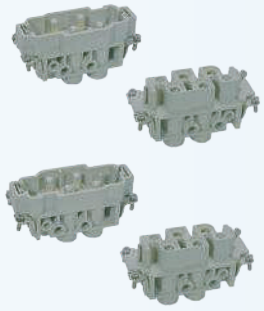
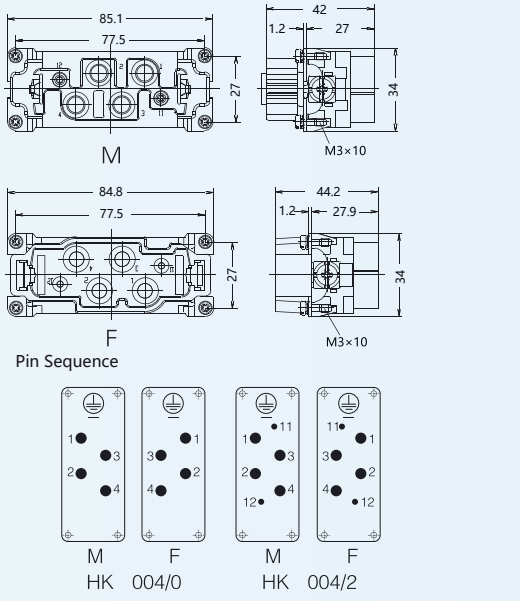
①Core cross-section Wire gauge: 16mm²
②Core cross-section Wire gauge: 10mm²

Heavy-Duty Connector

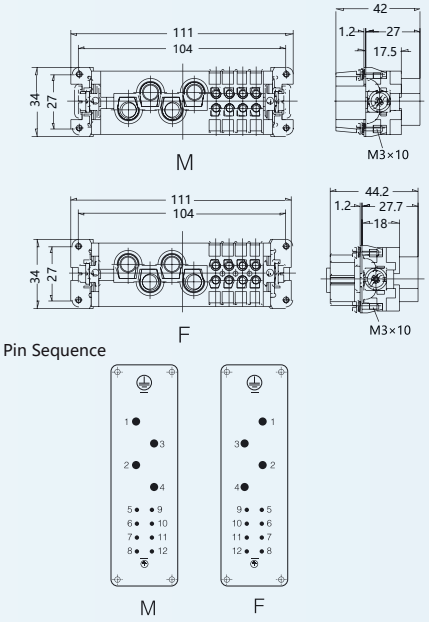
RSWN

- **HK-004/0,004/2,004/8**

Combined Inserts 830/400V 80/16A

Product Picture	PartNumber	Dimension
Screw crimping  Match 16B housing/hold	HK-004/0-M HK-004/0-F HK-004/2-M HK-004/2-F	The maximum distance between connectors is 21mm 

High Current Type Inserts400/400V 80/16A 4/8+

Product Picture	PartNumber	Dimension
Screw connection  Match 24B housing/hold	HK-004/8-M HK-004/8-F	Maximum distance between connectors 24mm 

Heavy-Duty Connector

RSWN

HWK-006/6

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

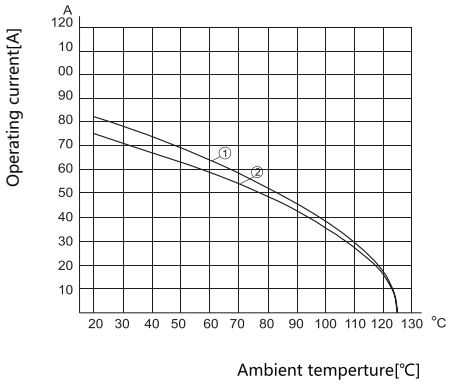
※Number of connector pins	6/6+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	40A
Rated voltage	400/690V
Rated impulse voltage	6KV
Pollution degree	3
※Signal area	
Rated current	16A
Rated voltage	230/400V
Rated impulse voltage	4KV
Pollution degree	600/600V
※According to UL/CSA rated voltage	
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤3mΩ
Screw connection	
Cross Section	4-10mm²
AWG	12-8
Tightening torque	
mm²	1.5 2.5 4 6 10 16
Nm	1.2 2 3 3 3 3
※Signal pin	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤1mΩ
Screw connection	
Cross Section	1-2.5mm²
AWG	18-4
Tightening torque	0.5Nm

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



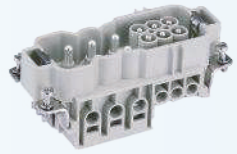
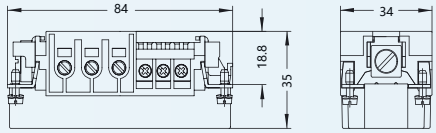
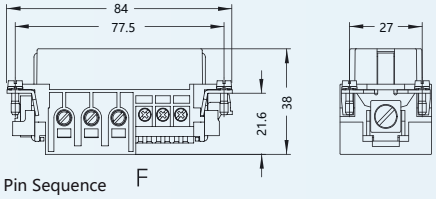
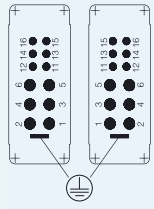
①Core cross-section Wire gauge: 16mm²
②Core cross-section Wire gauge: 10mm²

Heavy-Duty Connector

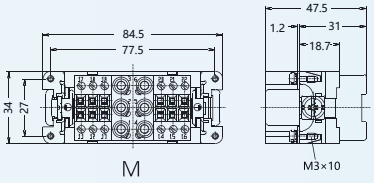
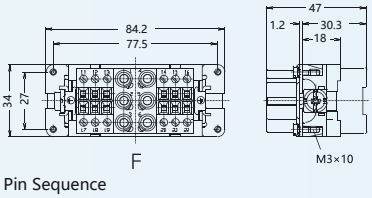
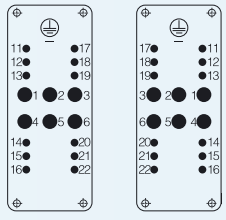
RSWN

HWK-006/6,006/12

Combined Inserts 690/400V 40/16A ⏚

Product Picture	PartNumber	Dimension
Screw crimping   Match 16B housing/hold	HWK-006/6-M HWK-006/6-F	The maximum distance between connectors is 21mm  M  Pin Sequence F M F 

High Current Type Inserts 690/400V 40/10A 6/12+ ⏚

Product Picture	PartNumber	Dimension
Screw connection   Match 16B housing/hold	HK-006.1/12-M(2.5-8mm²) HK-006.2/12-M(6-10mm²) HK-006.1/12-F(2.5-8mm²) HK-006.2/12-F(6-10mm²)	The maximum distance between connectors is 21mm  M  F Pin Sequence M F 

Heavy-Duty Connector

RSWN

HK-006/36

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

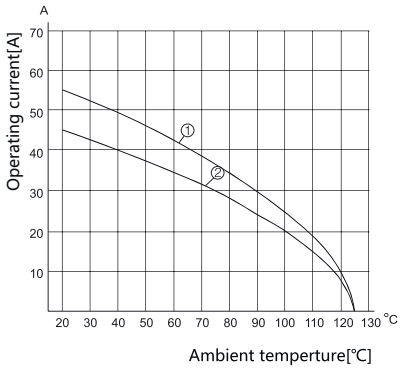
※Number of connector pins	6/36+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	40A
Rated voltage	690V
Rated impulse voltage	8KV
Pollution degree	3
※Signal area	
Rated current	10A
Rated voltage	160V
Rated impulse voltage	2.5KV
Pollution degree	3
Parameters at pollution level 2	10A 250V 4KV 2
※According to UL/CSA rated voltage	600/300V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	plate with silver gold-plated
contact resistance	≤0.3mΩ
Crimping Connecton	
Cross Cection	1.5-6mm²
AWG	16-10
Maximum insulation diameter	5mm
※Signal pin	
Material Science	copper alloy
surface treatment	plate with silver gold-plated
contact resistance	≤3mΩ
Crimping Connecton	
Cross Section	0.14-2.5mm²
AWG	26-14

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



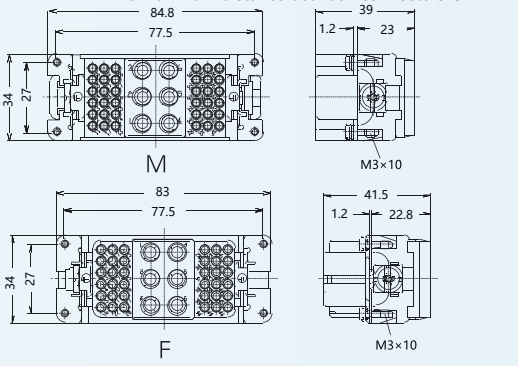
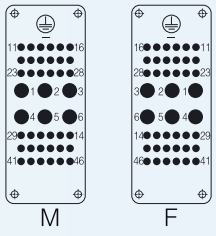
①Core cross-section Wire gauge: 6.0mm²
②Core cross-section Wire gauge: 4.0mm²

Heavy-Duty Connector

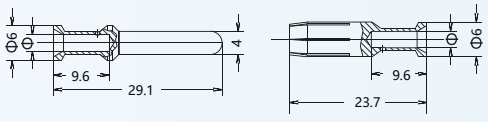
RSWN

- **HK-006/36**

Combined Inserts 690/400V 40/10A ⏚

Product Picture	PartNumber	Dimension
Crimping Connecton   Match 16B housing/hold	HK-006/36-MC HK-006/36-FC	The maximum distance between connectors is 21mm  Pin Sequence 

40A Crimping Pins



M F

plate with silver

Cross section		Strip length	Φ	Female	Male
1.5mm²	AWG 16	9mm	1.75	CCSF-1.5	CCSM-1.5
2.5mm²	AWG 14	9mm	2.25	CCSF-2.5	CCSM-2.5
4mm²	AWG 12	9.6mm	2.85	CCSF-4.0	CCSM-4.0
6mm²	AWG 10	9.6mm	3.5	CCSF-6.0	CCSM-6.0

gold-plated

Cross section		Strip length	Φ	Female	Male
1.5mm²	AWG 16	9mm	1.75	CCGF-1.5	CCGM-1.5
2.5mm²	AWG 14	9mm	2.25	CCGF-2.5	CCGM-2.5
4mm²	AWG 12	9.6mm	2.85	CCGF-4.0	CCGM-4.0
6mm²	AWG 10	9.6mm	3.5	CCGF-6.0	CCGM-6.0

10A Crimping Pins

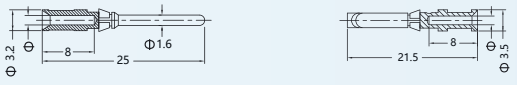


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

- **HK-012/2**

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

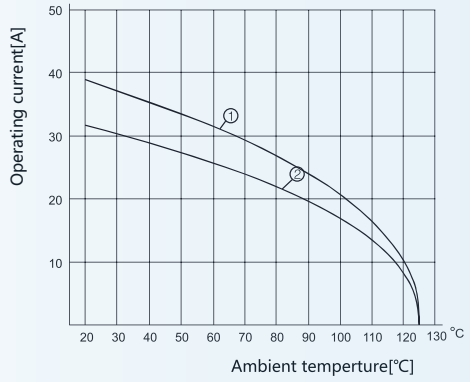
※Number of connector pins	12/2+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	40A
Rated voltage	690V
Rated impulse voltage	8KV
Pollution degree	3
※Signal area	
Rated current	10A
Rated voltage	250V
Rated impulse voltage	4KV
Pollution degree	3
※According to UL/CSA rated voltage	600/300V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	plate with silver gold-plated
contact resistance	≤0.3mΩ
Crimping Connecton	
Cross Section	1.5-6mm²
AWG	16-10
※Signal pin	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤3mΩ
Crimping Connecton	
Cross Section	0.14-2.5mm²
AWG	26-14

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



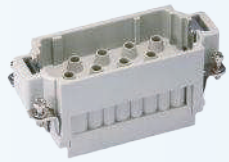
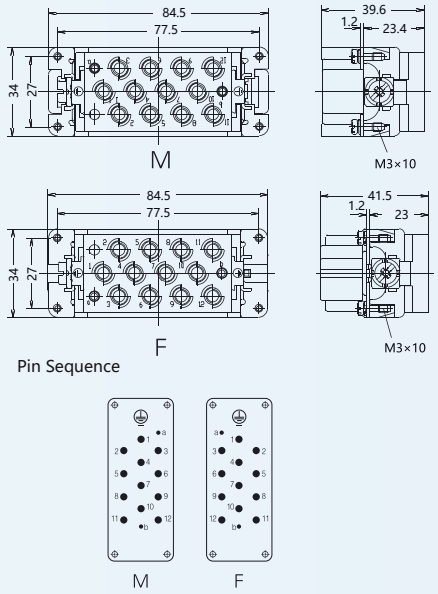
①Core cross-section Wire gauge: 6.0mm²
②Core cross-section Wire gauge: 4.0mm²

Heavy-Duty Connector

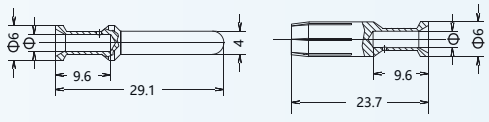
RSWN

- **HK-012/2**

Combined Insertst 690/250V 40/10A

Product Picture	PartNumber	Dimension
Crimping Conneton   Match 16B housing/hold	HK-012/2-MC HK-012/2-FC	The maximum distance between connectors is 21mm 

40A Crimping Pins



M F

plate with silver

Cross section		Strip length	Φ	Female	Male
1.5mm²	AWG 16	9mm	1.75	CCSF-1.5	CCSM-1.5
2.5mm²	AWG 14	9mm	2.25	CCSF-2.5	CCSM-2.5
4mm²	AWG 12	9.6mm	2.85	CCSF-4.0	CCSM-4.0
6mm²	AWG 10	9.6mm	3.5	CCSF-6.0	CCSM-6.0

gold-plated

Cross section		Strip length	Φ	Female	Male
1.5mm²	AWG 16	9mm	1.75	CCGF-1.5	CCGM-1.5
2.5mm²	AWG 14	9mm	2.25	CCGF-2.5	CCGM-2.5
4mm²	AWG 12	9.6mm	2.85	CCGF-4.0	CCGM-4.0
6mm²	AWG 10	9.6mm	3.5	CCGF-6.0	CCGM-6.0

10A Crimping Pins

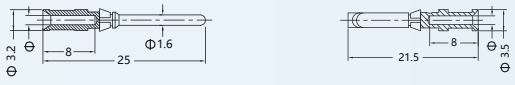


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HK-006/6

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

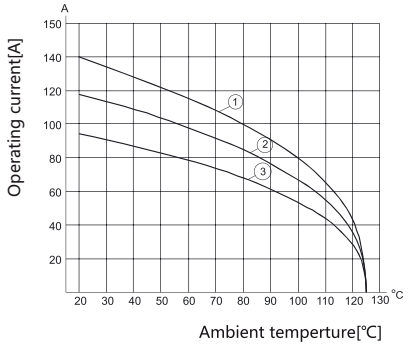
※Number of connector pins	6/6+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	100A
Rated voltage	690V
Rated impulse voltage	8KV
Pollution degree	3
When the parameter of pollution degree 2	100A 1000V 8KV 2
※Signal area	
Rated current	16A
Rated voltage	400V
Rated impulse voltage	6KV
Pollution degree	3
※According to UL rated voltage	600/300V
※According to UL/CSA rated voltage	600/600V
※According to UL/CSA rated current	100/15A
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Strong electroacupuncture	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤0.5mΩ
Axial screw connection	
Cross Section	16-35mm²
AWG	5-2
Maximum insulation diameter	11.4mm
Tightening torque	
mm²	16 25 35
Nm	6 7 8
Strip length	13±1mm
※Signal pin	
Material Science	copper alloy
surface treatment	plate with silver
contact resistance	≤3mΩ
Axial screw connection	
Cross Section	0.2-2.5mm²
AWG	24-13
Tightening torque	0.8Nm
Strip length	7.5mm

Current load capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

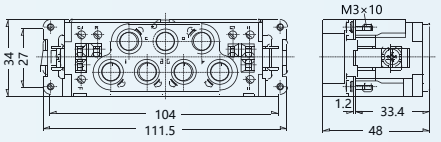
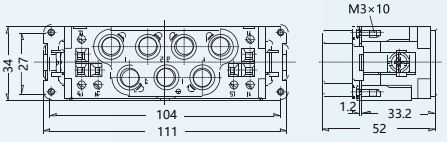
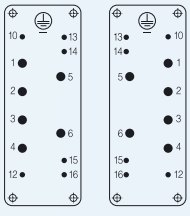


①Core cross-section Wire gauge: 35mm²
②Core cross-section Wire gauge: 25mm²
③Core cross-section Wire gauge: 16mm²

Heavy-Duty Connector

- **HK-006/6**

Combined Insertst 690/400V 100/16A ⏚

Product Picture	PartNumber	Dimension
Axial crimping Match 24B housing/hold 	HK-006/6-M	Maximum distance between connectors 21mm  M
	HK-006/6-F	 F
		Pin Sequence  M F

Accessories

tools

Hexagonal Driver 	Description	For Axial Setscrew With Grip	Form Type BS-4C150

Heavy-Duty Connector

RSWN

HK-008/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

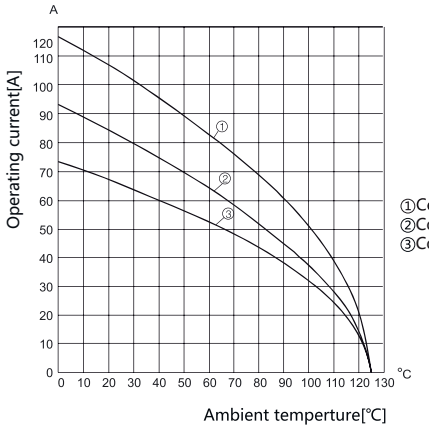
※Number of connector pins	8/0+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	100A
Rated voltage	690V
Rated impulse voltage	8KV
Pollution degree	3
Parameters at pollution level 2	100A 1000V 8KV 2
※According to UL/CSA rated voltage	600V
※According to UL/CSA rated current	82A
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.5mΩ
※Axial screw connection	
mm²	10-25mm²
AWG	7-3
Maximum insulation diameter	11.4mm
Tightening torque	
mm²	10 16 25
AWG	6 6 7
Strip length	13±1mm

Current Load capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



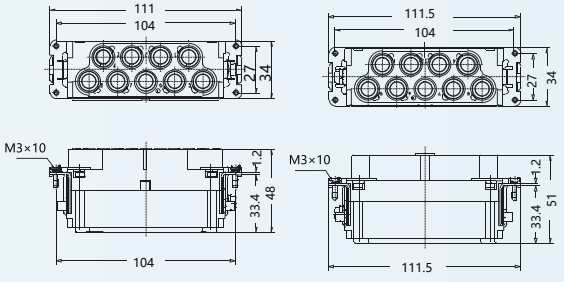
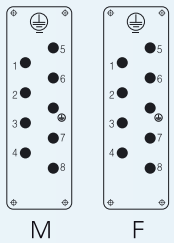
①Core cross-section Wire gauge: 25mm²
②Core cross-section Wire gauge: 16mm²
③Core cross-section Wire gauge: 10mm²

Accessories

tools

	Description	Form Type
Hexagonal Driver 	For Axial Setscrew With Grip	BS-4C150

Combined Insertst 690/100V 8/0+ ⏚

Product Picture	PartNumber	Dimension
Axial crimping Match 24B housing/hold 	HK-008/0-M	Maximum distance between connectors 24mm M F 
	HK-008/0-F	Pin Sequence  M F

Heavy-Duty Connector

RSWN

HQ-002/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2+PE
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	830V
※Rated impulse voltage	6KV
※Pollution degree	3
※According to UL/CSA rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

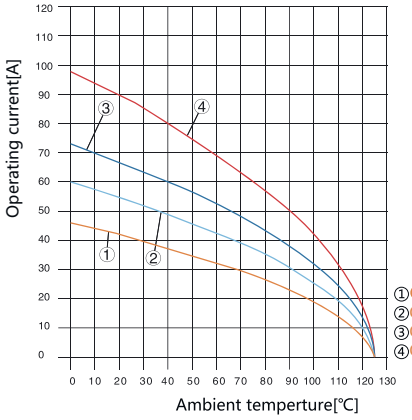
※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤1mΩ
※Axial screw connection	
mm²	2.5-10mm²
AWG	14-8
Tightening torque	1.8Nm
Strip length	8±1mm

Housing

※Plastic shell	
Material Science	polycarbonate Polycarbonate
Flame retardant grade	V0
Degree of protection	IP67
※Metal housing	
Material Science	kirsite Zinc Die-cast
Degree of protection	IP44 IP67(Achieve bolt sealing)

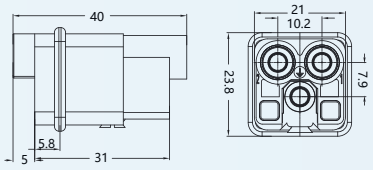
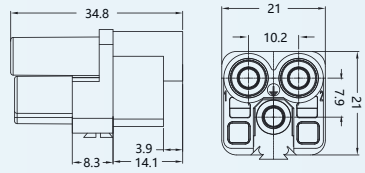
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①Core cross-section Wire gauge: 2.5mm²
②Core cross-section Wire gauge: 4.0mm²
③Core cross-section Wire gauge: 6.0mm²
④Core cross-section Wire gauge: 10.0mm²

Compact Small Volume Insertst 400V/40A 2+⏚

Product Picture	PartNumber	Dimension
Axial crimping Match 3A housing/hold 	HQ-002.1-M HQ-002.2-M	M 
	HQ-002.1/0-F(2.5-6mm²) HQ-002.2/0-F(4-10mm²)	F 

Accessories

tools

Hexagonal Driver 	Description For Axial Setscrew With Grip	Form Type BS-2C40

Heavy-Duty Connector

RSWN

HQV-002/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2+PE
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	830V
※Rated impulse voltage	6KV
※Pollution degree	3
※According to UL/CSA rated voltage	400V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

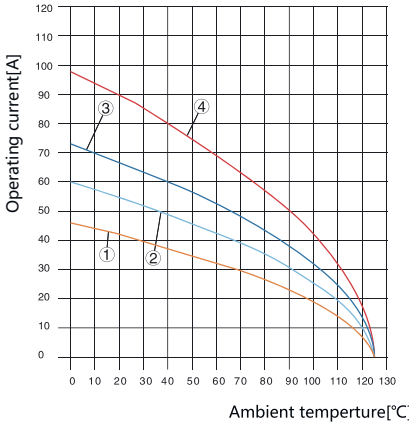
※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤1mΩ
※Axial screw connection	
mm²	2.5-10mm²
AWG	14-8
Tightening torque	1.8Nm
Strip length	8±1mm

Housing

※Plastic shell	
Material Science	polycarbonate Polycarbonate
Flame retardant grade	V0
Degree of protection	IP67
※Metal housing	
Material Science	kirsite Zinc Die-cast
Degree of protection	IP44 IP67(Achieve bolt sealing)

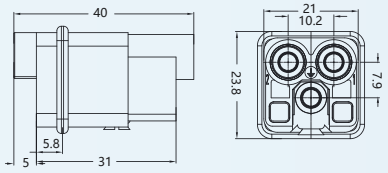
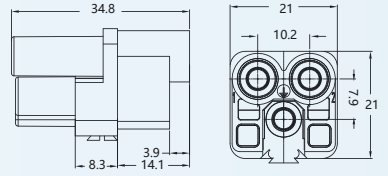
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①Core cross-section Wire gauge: 2.5mm²
②Core cross-section Wire gauge: 4.0mm²
③Core cross-section Wire gauge: 6.0mm²
④Core cross-section Wire gauge: 10.0mm²

Compact Small Volume Insertst830V/40A 2+ ⏚

Product Picture	PartNumber	Dimension
Axial crimping Match 3A housing/hold  	HQV-002.1/0-M(2.5-6mm²) HQV-002.2/0-M(4-10mm²) HQV-002.1/0-F(2.5-6mm²) HQV-002.2/0-F(4-10mm²)	M  F 

Accessories

tools

	Description	Form Type
Hexagonal Driver 	For Axial Setscrew With Grip	BS-2C40

Heavy-Duty Connector

RSWN

HQ-005/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	5+PE
※Rated voltage according to EN61 984	
※Rated current	16A
※Phase to ground rated voltage	230V
※Rated voltage between phases	400V
※Rated impulse voltage	4KV
※Pollution degree	3
※Parameters at pollution level 2	16A 320/500V 4KV 2
※According to UL/CSA rated voltage	600V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

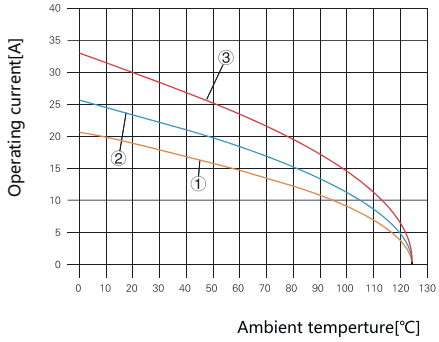
※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤1mΩ
※Crimping Connecton	
mm²	0.14-2.5mm²
AWG	26-14
※PE screw connection	
mm²	2.5mm²
AWG	14

Housing

※Plastic shell	
Material Science	polycarbonate Polycarbonate
Flame retardant grade	V0
Degree of protection	IP67
※Metal housing	
Material Science	kirsite Zinc Die-cast
Degree of protection	IP44 IP67(Achieve bolt sealing)

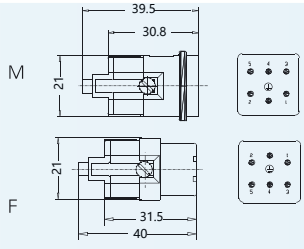
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①Core cross-section Wire gauge: 1.0mm²
②Core cross-section Wire gauge: 1.5mm²
③Core cross-section Wire gauge: 2.5mm²

Compact Small Volume Insertst230V/400V 16A 5+⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match 3A housing/hold 	HQ-005/0-MC HQ-005/0-FC	

16A Crimping pins

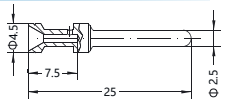
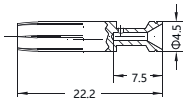


plate with silver

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0



gold-plated

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

HQ-007/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	7+PE
※Rated voltage according to EN61 984	
※Rated current	10A
※Rated voltage	400V
※Rated impulse voltage	6KV
※Pollution degree	3
※Parameters at pollution level 2	10A 400/690V 6KV 2
※According to UL/CSA rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

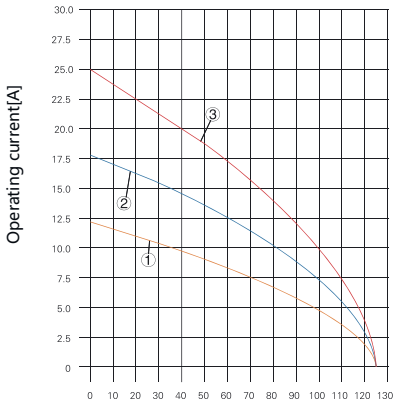
※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Crimping Connecton	
mm²	0.14-2.5mm²
AWG	26-14
※PE screw connection	
mm²	2.5mm²
AWG	14

Housing

※Plastic shell	
Material Science	polycarbonate Polycarbonate
Flame retardant grade	V0
Degree of protection	IP67
※Metal housing	
Material Science	kirsite Zinc Die-cast
Degree of protection	IP44 IP67(Achieve bolt sealing)

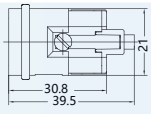
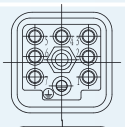
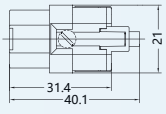
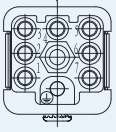
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

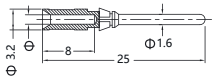


①Core cross-section Wire gauge: 0.75mm²
②Core cross-section Wire gauge: 1.5mm²
③Core cross-section Wire gauge: 2.5mm²

Compact Small Volume Insertst400V 10A 7+ ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match 3A housing/hold 	HQ-007/0-MC HQ-007/0-FC	M   F  

10A Crimping Pins



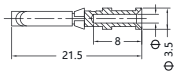


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HQ-012/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	12+PE
※Rated voltage according to EN61 984	
※Rated current	10A
※Rated voltage	400V
※Rated impulse voltage	6KV
※Pollution degree	3
※Parameters at pollution level 2	10A 400/690V 6KV 2
※According to UL/CSA rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

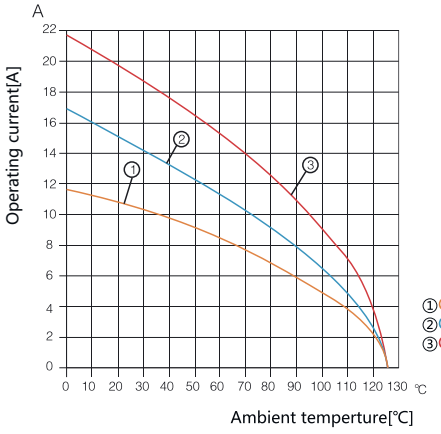
※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Crimping Connecton	
mm²	0.14-2.5mm²
AWG	26-14
※PE screw connection	
mm²	0.5-2.5mm²
AWG	20-14

Housing

※Plastic shell	
Material Science	polycarbonate Polycarbonate
Flame retardant grade	V0
Degree of protection	IP67
※Metal housing	
Material Science	kirsite Zinc Die-cast
Degree of protection	IP44 IP67(Achieve bolt sealing)

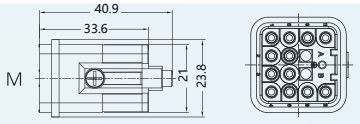
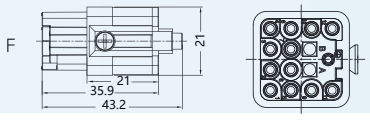
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

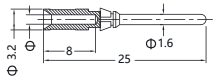


①Core cross-section Wire gauge: 0.75mm²
②Core cross-section Wire gauge: 1.5mm²
③Core cross-section Wire gauge: 2.5mm²

Compact Small Volume Insertst 400V 10A 12+ ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match 3A housing/hold 	HQ-012/0-MC	M 
	HQ-012/0-FC	F 

10A Crimping Pins



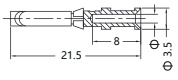


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HQ-008/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	8+PE
※Rated voltage according to EN61 984	
※Rated current	16A
※Rated voltage	500V
※Rated impulse voltage	6KV
※Pollution degree	3
※Parameters at pollution level 2	16A 400/690V 6KV 2
※When installing metal housing	16A 230/400V 4KV 3
※According to UL/CSA rated voltage	600V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

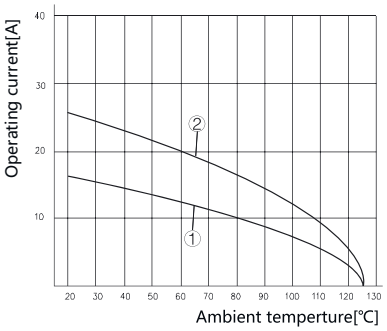
※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤1mΩ
※Crimping Connecton	
mm²	0.14-2.5mm²(Up to 4mm with some equipment ²)
AWG	26-12

Housing

※Plastic shell	
Material Science	Thermoplastic Hermoplastic
Interlocking element	Polyamide (nylon)Polyamide
Enclosure seal	NBR
Operating temperature range	-40℃~+125℃
Flame retardant grade	V0
Degree of protection	IP65
※Metal housing	
Material Science	Metal
Interlocking element	Stainless Steel
Enclosure seal	NBR
Operating temperature range	-40℃~+125℃
Degree of protection	IP65

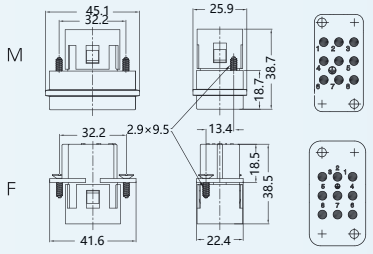
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

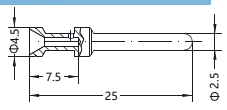


①Core cross-section Wire gauge: 1.5mm²
②Core cross-section Wire gauge: 2.5mm²

Compact Small Volume Insertst 500V 16A 8+ ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match HC housing/hold 	HQ-008/0-MC HQ-008/0-FC	

16A Crimping pins



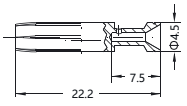


plate with silver

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cross section		Strip length	Female	Male
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

HQ-017/0

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	17+PE
※Rated voltage according to EN61 984	
※Rated current	10A
※Rated voltage	250V
※Rated impulse voltage	4KV
※Pollution degree	2
※According to UL/CSA rated voltage	250V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

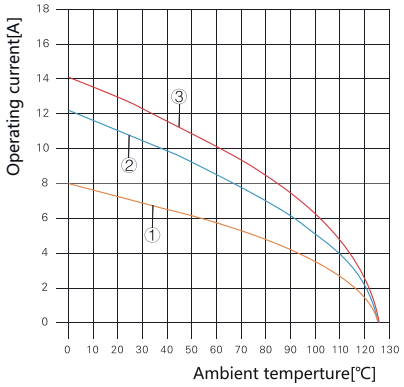
※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Crimping Connecton	
mm²	0.14-2.5mm²
AWG	26-12

Housing

※Plastic shell	
Material Science	Thermoplastic Hermoplastic
Interlocking element	Polyamide (nylon)Polyamide
Enclosure seal	NBR
Operating temperature range	-40℃~+125℃
Flame retardant grade	V0
Degree of protection	IP65
※Metal housing	
Material Science	Metal
Interlocking element	Stainless Steel
Enclosure seal	NBR
Operating temperature range	-40℃~+125℃
Degree of protection	IP65

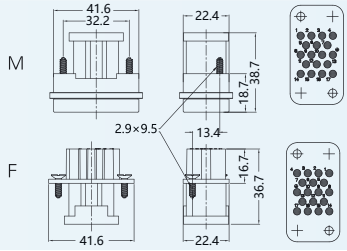
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

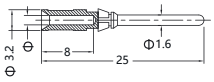


①Core cross-section Wire gauge: 0.5mm²
②Core cross-section Wire gauge: 1.0mm²
③Core cross-section Wire gauge: 1.5mm²

Compact Small Volume Insertst250V 10A 17+ ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match HC housing/hold 	HQ-017/0-MC HQ-017/0-FC	

10A Crimping Pins



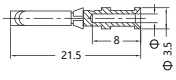


plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HQ-004/2

Technical Characteristics

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	4/2+PE
※Rated voltage according to EN61 984	
※Power area	
Rated current	40A
Rated current	400V
Rated voltage between phases	690V
Rated impulse voltage	6KV
Pollution degree	3
※Signal area	
Rated current	10A
Rated voltage	250V
Rated impulse voltage	4KV
Pollution degree	3
※According to UL/CSA rated voltage	600/250V
insulation resistance	≥10^{10}Ω
Material Science	polycarbonate Polycarbonate
Operating temperature range	-40℃~+125℃
Flame retardant grade	V0
Pluggable times	≥500

Housing

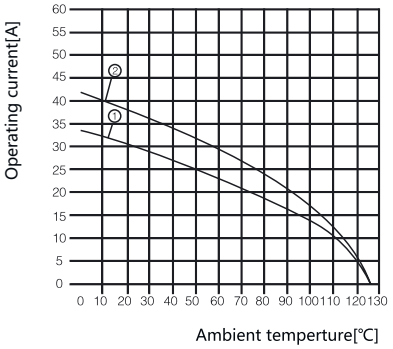
※Plastic shell	
Material Science	Hermoplastic
Interlocking element	Polyamide
Enclosure seal	NBR
Operating temperature range	-40℃~+125℃
Flame retardant grade	V0
Degree of protection	IP65

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤0.3mΩ
※Cold pressed connection	
mm²	1.5-6mm²/0.14-2.5mm²
AWG	16-10/26-14
※Maximum insulation diameter	
Strong electroacupuncture	5mm

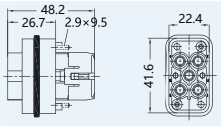
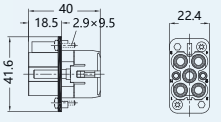
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

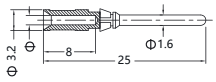


①Core cross-section Wire gauge: 2.5mm²
②Core cross-section Wire gauge: 4.0mm²

Compact Small Volume Insertst 400/690V 40/10A 4/2+ ⏚

Product Picture	PartNumber	Dimension
Crimping Inserts Match HC housing/hold 	HQ-004/2-MC HQ-004/2-FC	M  F 

10A Crimping Pins



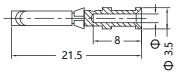


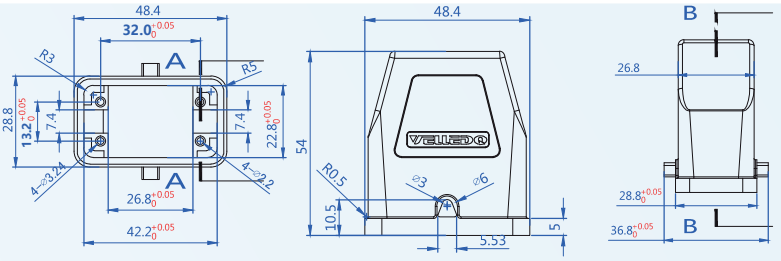
plate with silver

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cross section		Strip length	Φ	Female	Male
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

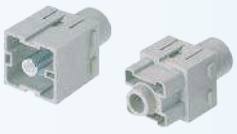
Product Picture	PartNumber	Dimension
	HC.P-S-2B-PG16	

Heavy-Duty Connector

RSWN

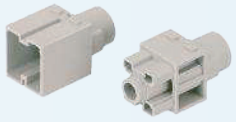
Chapter Summary

Module Overview



H2MK-001-M
H2MK-001-F

Insert	200A Axial module
Contacts	1
Terminal	Axial screw terminal
Rated Current	200A
Rated Voltage	1000V
Wire gauge	25-70mm²

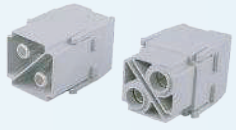


H2MK-001-MC
H2MK-001-FC

Insert	200A Crimp module
Contacts	1
Terminal	Crimp terminal
Rated Current	200A
Rated Voltage	1000V
Wire gauge	25-70mm²

HMK-001-MC
HMK-001-FC

Insert	100A Crimp module
Contacts	1
Terminal	Crimp terminal
Rated Current	100A
Rated Voltage	830V
Wire gauge	10-35mm²



H2MK-002-M
H2MK-002-F

Insert	100A Axial module
Contacts	2
Terminal	Axial Screw terminal
Rated Current	100A
Rated Voltage	1000V
Wire gauge	10-35mm²

H2MK-002-MC
H2MK-002-FC

Insert	100A Crimp module
Contacts	2
Terminal	Crimp terminal
Rated Current	100A
Rated Voltage	1000V
Wire gauge	10-35mm²

HMK70-002-M
HMK70-002-F

Insert	70A Axial module
Contacts	2
Terminal	Axial Screw terminal
Rated Current	70A
Rated Voltage	1000V
Wire gauge	6-22mm²

HMK70-002-MC
HMK70-002-FC

Insert	70A Crimp module
Contacts	2
Terminal	Crimp terminal
Rated Current	70A
Rated Voltage	1000V
Wire gauge	10-25mm²

HMK-002-M
HMK-002-F

Insert	40A Axial module
Contacts	2
Terminal	Axial Screw terminal
Rated Current	40A
Rated Voltage	1000V
Wire gauge	2.5-10mm²

HMK-002-MC
HMK-002-FC

Insert	40A Crimp module
Contacts	2
Terminal	Crimp terminal
Rated Current	40A
Rated Voltage	1000V
Wire gauge	1.5-10mm²

HMK-003-M
HMK-003-F

Insert	40A Axial module
Contacts	3
Terminal	Axial Screw terminal
Rated Current	40A
Rated Voltage	690V
Wire gauge	2.5-10mm²

HMK-003-MC
HMK-003-FC

Insert	40A Crimp module
Contacts	3
Terminal	Crimp terminal
Rated Current	40A
Rated Voltage	500V
Wire gauge	1.5-10mm²

HMK-003/4-MC
HMK-003/4-FC

Insert	40/10A Axial module
Contacts	3/4
Terminal	Crimp terminal
Rated Current	40A/10A
Rated Voltage	830V
Wire gauge	1.5-6mm²/0.37-2.5mm²

Heavy-Duty Connector

RSWN

Chapter Summary

Module Overview

HMK-004-MC
HMK-004-FC

Insert	40A Crimp module
Contacts	4
Terminal	Crimp terminal
Rated Current	40A
Rated Voltage	830V
Wire gauge	1.5-6mm²

HME-005-MS
HME-005-FS

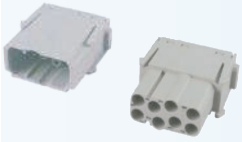
Insert	16A Cage-clamp module
Contacts	5
Terminal	Cage clamp terminal
Rated Current	16A
Rated Voltage	400V
Wire gauge	0.14-2.5mm²

HME-006-MC
HME-006-FC

Insert	16A Crimp module
Contacts	6
Terminal	Crimp terminal
Rated Current	16A
Rated Voltage	500V
Wire gauge	0.14-4mm²

HVME-006-MC
HVME-006-FC

Insert	16A Crimp module
Contacts	6
Terminal	Crimp terminal
Rated Current	16A
Rated Voltage	830V
Wire gauge	0.14-4mm²



HMEE-008-MC
HMEE-008-FC

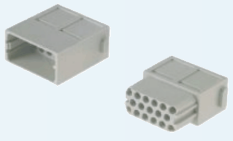
Insert	16A Crimp module
Contacts	8
Terminal	Crimp terminal
Rated Current	16A
Rated Voltage	400V
Wire gauge	0.14-4mm²

H2MEE-020-MC
H2MEE-020-FC

Insert	16A Crimp module
Contacts	20
Terminal	Crimp terminal
Rated Current	16A
Rated Voltage	500V
Wire gauge	0.14-4mm²

HMD-012-MS
HMD-012-FS

Insert	10A Protected module
Contacts	12
Terminal	Protected terminal
Rated Current	10A
Rated Voltage	250V
Wire gauge	0.14-4mm²



HMDD-017-MC
HMDD-017-FC

Insert	10A Crimp module
Contacts	17
Terminal	Crimp terminal
Rated Current	10A
Rated Voltage	160V
Wire gauge	0.14-2.5mm²

HMDS-009-MC
HMDS-009-FC

Insert	5A D-sub module
Contacts	9
Terminal	Crimp terminal
Rated Current	5A
Rated Voltage	50V
Wire gauge	0.09-0.82mm²

HMDS-025-MC
HMDS-025-FC

Insert	4A High Density module
Contacts	25
Terminal	Crimp terminal
Rated Current	4A
Rated Voltage	50V
Wire gauge	0.09-0.52mm²

HM-RJ45-M
HM-RJ45-F

Insert	1A RJ45 module
Contacts	8
Terminal	Module for patch cable
Rated Current	1A
Rated Voltage	50V
Wire gauge	

Pneumatic module
2

HMP-002

Φ 6mm

Pneumatic module
3

HMP-003

Φ 1.6mm
Φ 3.0mm
Φ 4.0mm

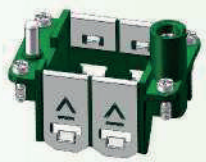
Heavy-Duty Connector

RSWN

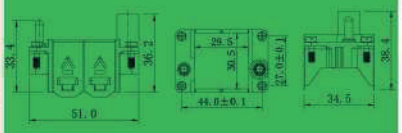
Chapter Summary

Structural Frame Type

6B frame,size 6B hoods/housings

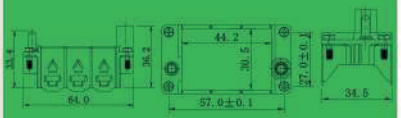


Description	Marking	Type
for 2 modules	A-B	HF6B-NUA3
for 2 modules	a-b	HF6B-NLA3



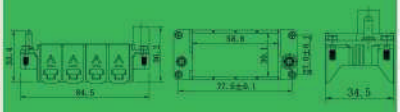
10B frame,size 10B hoods/housings

Description	Marking	Type
for 3 modules	A-C	HF10B-NUA3
for 3 modules	a-c	HF10B-NLA3



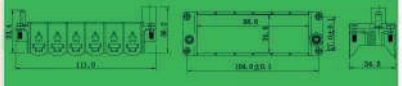
16B frame,size 16B hoods/housings

Description	Marking	Type
for 4 modules	A-D	HF16B-NUA3
for 4 modules	a-d	HF16B-NLA3



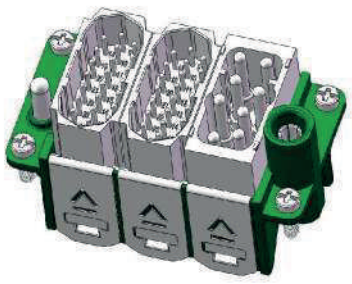
24B frame,size 24B hoods/housings

Description	Marking	Type
for 6 modules	A-F	HF24B-NUA3
for 6 modules	a-f	HF24B-NLA3



Filling module

Description	Type
Used to fill the fixed frame Remaining module space	HM-000



Heavy-Duty Connector

RSWN

H2MK-001

H2MK-001 Parameters Of Axial Crimping Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	1
※Rated voltage according to EN61 984	
※Rated current	200A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※According to UL/CSA rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

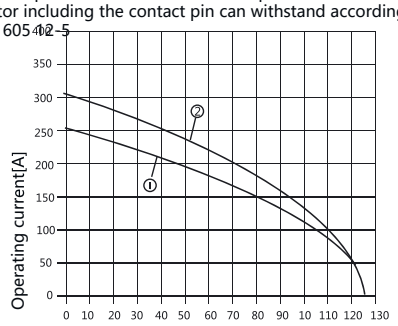
Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	0.2mΩ
※Cable strands according to IEC 60 228-5	
※Axial screw connection	
mm²	25-70mm²
AWG	2-0

inner hexagon spanner	SW5
Strip length	16mm
mm²	25 35 50 70
Nm	8 8 9 10

Current Load Capacity

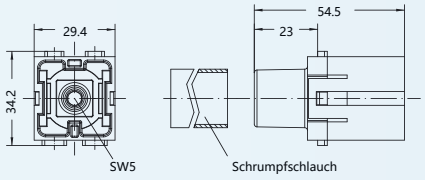
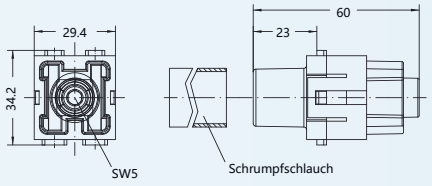
The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 60512-5



Ambient temperture[℃]

①24B enclosure with 3 modules, conductor section:50mm²
②enclosure with 3 modules, conductor section:70mm²

H2MK-001 Axial Crimp Type Module

Product Picture	Form	Product Size
Axial crimping 	H2MK-001.1-M(25-40mm²) H2MK-001.2-M(40-70mm²)	M 
	H2MK-001.1-F(25-40mm²) H2MK-001.2-F(40-70mm²)	F 

Pump Accessories

tools

Hexagonal Driver 

Description	Type
For Axial Setscrew With Grip	BS-5C150

Heavy-Duty Connector

RSWN

H2MK-001

H2MK-001 Parameters Of Cold Pressed Module

Standard

DIN EN 60 664
DIN EN 61 984

Plug

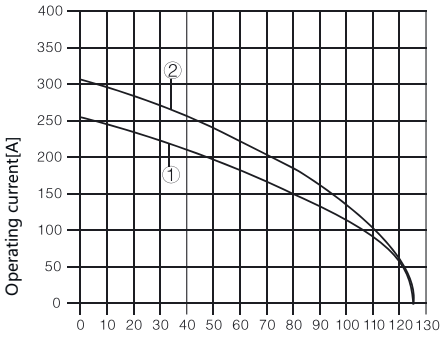
※Number of pins for plug-in	1
※According to rated voltage of EN61 984	
※Rated Current	200A
※Rated voltage	1000V
※Rated Pulse Voltage	8KV
※Pollution Level	3
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame Retardant Level	V0
※Pluggable Count	≥500

Pin

※Material Science	Copper alloy
※surface treatment	plate with silver
※contact resistance	0.3mΩ
※Cold pressure connection	
mm²	25-70mm²
Strip length	22.5mm
Maximum cable diameter	18mm

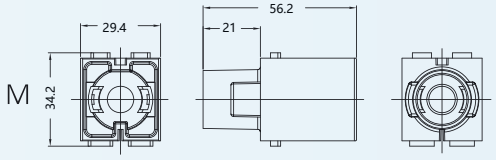
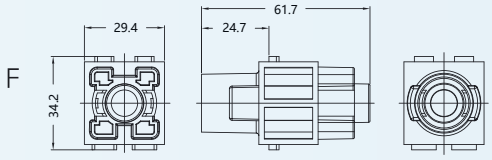
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①24B enclosure with 3 modules, conductor section:50mm²
②24B enclosure with 3 modules, conductor section:70mm²

H2MK-001 Cold Pressed Module

Product Picture	Form	Product Size
Cold pressed connection 	H2MK-001-MC	
	H2MK-001-FC	

200ACold Pressing Pins

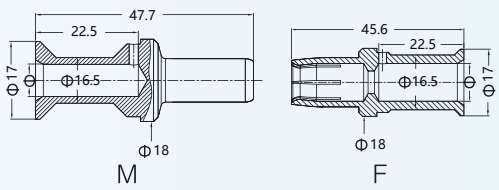


plate with silver

Cable section	Strip length	Φ	Female needle model	Male needle model
25mm²	22.5mm	7	CHSF200-25	CHSM200-25
35mm²	22.5mm	8.2	CHSF200-35	CHSM200-35
50mm²	22.5mm	10	CHSF200-50	CHSM200-50
70mm²	22.5mm	11.5	CHSF200-70	CHSM200-70

Heavy-Duty Connector

RSWN

HMK-001

HMK-001 Parameters Of cold Pressed Module

standard

DIN EN 60 664
DIN EN 61 984

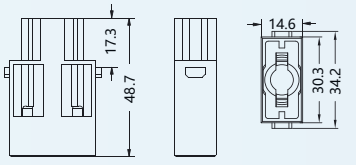
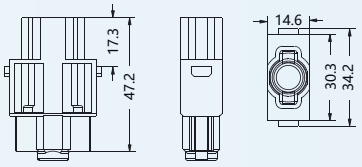
Insert

※Number of connector pins	1
※Rated voltage according to EN61 984	
※Rated current	100A
※Rated voltage	830V
※Rated impulse voltage	8KV
※Pollution degree	3
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.3mΩ
※Cold pressed connection mm²	10-35mm²
Maximum cable diameter	13mm

HMK-001 Cold Pressed Module

Product Picture	Form	Product Size
Cold pressed connection 	HMK-001-MC	M 
	HMK-001-FC	F 

100A Cold Pressing Pins

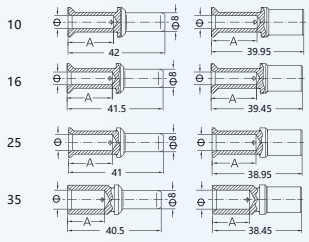


plate with silver

Cable section	Strip length	Φ	Female needle model	Male needle model
10mm²	19mm	4.3	CKSF-10	CKSM-10
16mm²	19mm	5.5	CKSF-16	CKSM-16
25mm²	19mm	7	CKSF-25	CKSM-25
35mm²	19mm	8.2	CKSF-35	CKSM-35

Heavy-Duty Connector

RSWN

H2MK-002

H2MK-002 Parameters Of axial Crimping Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2
※Rated voltage according to EN61 984	
※Rated current	100A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※Rated voltage according to UL	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

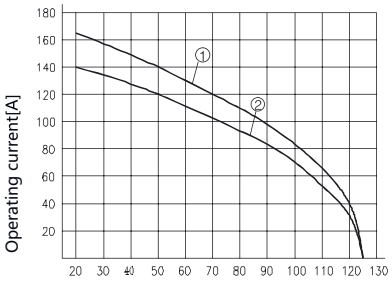
Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	0.3mΩ
※Cable strand according to IEC 60 228-5 Cable strand according to IEC 60 228-5	10-38mm² 6-2
※Axial screw connection	
mm²	SW4
AWG	13mm

Strip length				
mm²	10	16	25	35
Nm	6	6	7	8

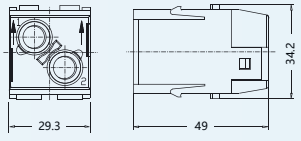
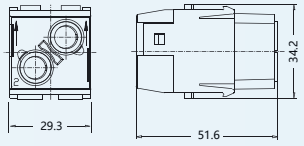
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①24B enclosure with 3 modules, conductor section:35mm²
②24B enclosure with 3 modules, conductor section:25mm²

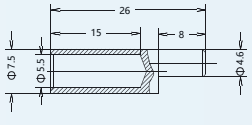
H2MK-002 Axial Crimp Type Module

Product Picture	Form	Product Size
Axial crimping 	H2MK-002.1-M(10-25mm²) H2MK-002.2-M(16-35mm²) H2MK-002.1-M(38mm²) H2MK-002.1-F(10-25mm²) H2MK-002.2-F(16-35mm²) H2MK-002.1-F(38mm²)	M  F 

Pump Accessories

Cable shoe 16mm²

Description	Form Type
For PE extension	PE-E16



Tools

Hexagonal driver 

Description	Form Type
For Axial Setscrew With Grip	BS-4C150

Heavy-Duty Connector

RSWN

H2MK-002

H2MK-002 Parameters Of Cold Pressed Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

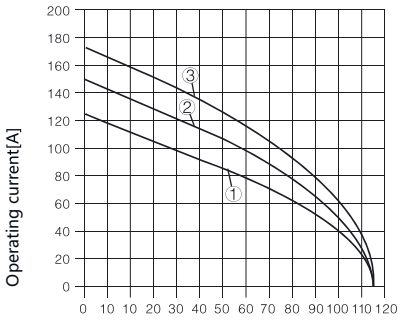
※Number of connector pins	2
※Rated voltage according to EN61 984	
※Rated current	100A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.3mΩ
※Cold pressed connection mm²	10-35mm²
Maximum cable diameter	14mm

Current Load Capacity

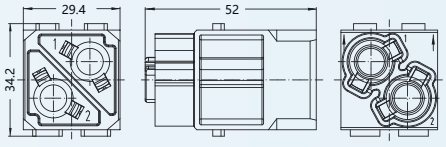
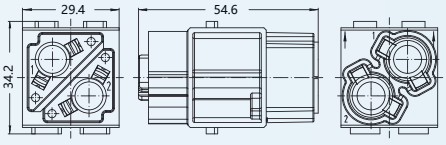
The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



Ambient temperture[℃]

①24B enclosure with 3 modules, conductor section:16mm²
②24B enclosure with 3 modules, conductor section:25mm²
③24B enclosure with 3 modules, conductor section:35mm²

H2MK-002 Cold Pressed Module

Product Picture	Form	Product Size
Cold pressed connection  	H2MK-002-MC H2MK-002-FC	M  F 

100ACold Pressing Pins

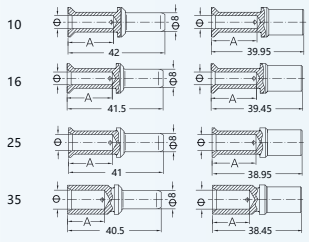


plate with silver

Cable section	Strip length	Φ	Female needle model	Male needle model
10mm²	19mm	4.3	CKSF-10	CKSM-10
16mm²	19mm	5.5	CKSF-16	CKSM-16
25mm²	19mm	7	CKSF-25	CKSM-25
35mm²	19mm	8.2	CKSF-35	CKSM-35

Heavy-Duty Connector

RSWN

HMK70-002

HMK70-002 Parameters Of axial Crimping Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2
※Rated voltage according to EN61 984	
※Rated current	70A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※basisUL/CSARated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

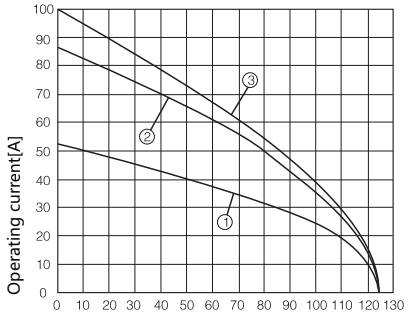
Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	0.5mΩ
※Cable strands according to IEC 60 228-5	
※Axial screw connection	
mm²	6-22mm²
AWG	8-4

		SW2.5		
Strip length				
mm²		6	10	16 22
mm		11	11	11 12.5
mm²		6	10	16 22
Nm		2	3	4 5

Current Load C apacity

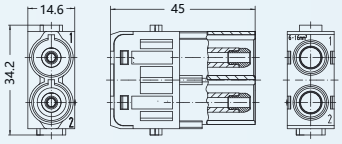
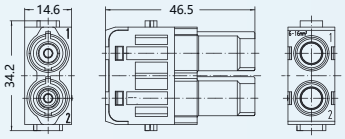
The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



Ambient temperture[℃]

①24B enclosure with 6 modules, conductor section:6mm²
②24B enclosure with 6 modules, conductor section:16mm²
③24B enclosure with 6 modules, conductor section:22mm²

HMK70-002 Axial Crimp Type Module

Product Picture	Form	Product Size
Axial crimping  	HMK70-002.1-M(6-16mm²) HMK70-002.2-M(14-22mm²)	M 
	HMK70-002.1-F(6-16mm²) HMK70-002.2-F(14-22mm²)	F 

Pump Accessories

tools

	Description	Form Type
Hexagonal Driver 	For Axial Setscrew With Grip	BS-2C40

Heavy-Duty Connector

RSWN

HMK70-002

HMK70-002 Parameters Of Cold Pressed Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2
※Rated voltage according to EN61 984	
※Rated current	70A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※basisUL/CSARated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

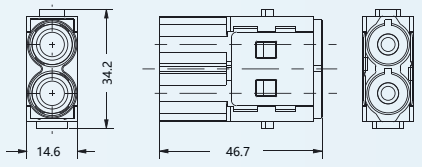
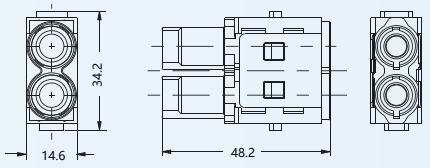
Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.5mΩ
※Cold pressed connection mm²	10-25mm²
※Strip length	15.5mm
※Maximum cable diameter	11mm

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

HMK70-002 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping 	HMK70-002-MC	M 
	HMK70-002-FC	F 

70A Cold pressing pins

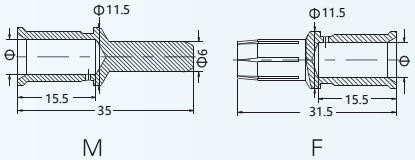


plate with silver

Cable section	Strip length	Φ	Female needle model	Male needle model
10mm²	15.5mm	4.3	CKSF70-10	CKSM70-10
16mm²	15.5mm	5.5	CKSF70-16	CKSM70-16
25mm²	15.5mm	7	CKSF70-25	CKSM70-25

Heavy-Duty Connector

RSWN

HMK-002

HMK-002 Parameters Of Sxial Crimping Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※basisUL/CSARated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

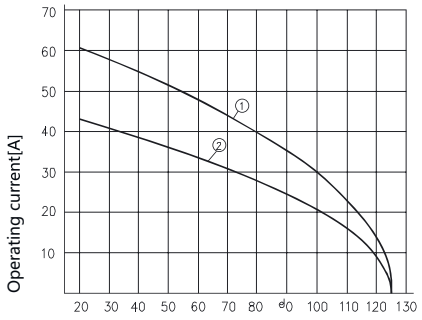
Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	0.5mΩ
※Cable strands according to IEC 60 228-5	
※Axial screw connection	
mm²	25-10mm²
AWG	14-8

inner hexagon spanner	SW2
Strip length	
mm²	2.5 4 6 10
mm	5 5 8 11
Tightening torque	
mm²	2.5 4 6 10
Nm	1.5 1.5 2 2

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

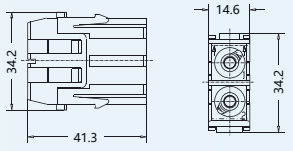
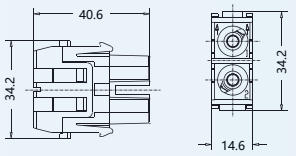


Ambient temperture[℃]

①24B enclosure with 6 modules,conductor section:10mm²

②24B enclosure with 6 modules,conductor section:6mm²

HMK-002 Axial Crimp Type Module

Product Picture	Form	Product Size
Axial crimping  	HMK-002.1-M(2.5-8mm²) HMK-002.2-M(6-10mm²) HMK-002.1-F(2.5-8mm²) HMK-002.2-F(6-10mm²)	M  F 

Pump Accessories

tools

	Description	Form Type
Hexagonal Driver 	For Axial Setscrew With Grip	BS-2C40

Heavy-Duty Connector

RSWN

HMK-002

HMK-002 Parameters Of Cold Pressed Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

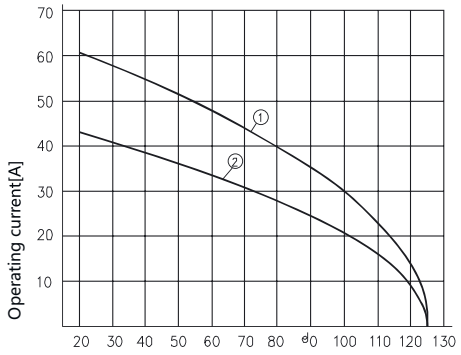
※Number of connector pins	2
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	1000V
※Rated impulse voltage	8KV
※Pollution degree	3
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.3mΩ
※Cold pressed connection	
mm²	1.5-10mm²
AWG	16-8

Current Load Capacity

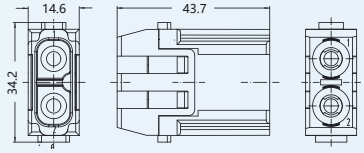
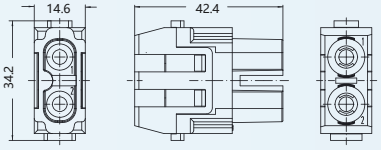
The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



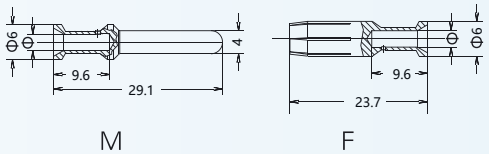
Ambient temperture[℃]

①24B enclosure with 6 modules,
conductor section:10mm²
②24B enclosure with 6 modules,
conductor section:6mm²

HMK-002 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping 	HMK-002-MC	M 
	HMK-002-FC	F 

40ACold Pressing Pins



M F

plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
1.5mm²	AWG 16	9mm	1.75	CCSF-1.5	CCSM-1.5
2.5mm²	AWG 14	9mm	2.25	CCSF-2.5	CCSM-2.5
4mm²	AWG 12	9.6mm	2.85	CCSF-4.0	CCSM-4.0
6mm²	AWG 10	9.6mm	3.5	CCSF-6.0	CCSM-6.0

Heavy-Duty Connector

RSWN

HMK-003

HMK-003 Parameters Of axial Crimping Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	3
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	690V
※Rated impulse voltage	8KV
※Pollution degree	3
※basisUL/CSARated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

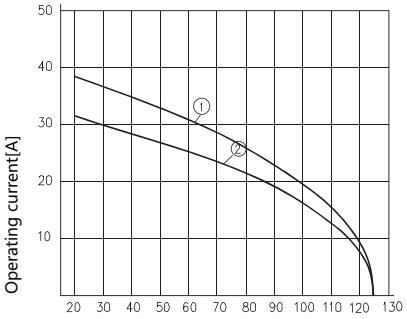
Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	0.3mΩ
※Cable strands according to IEC 60 228-5	
※Axial screw connection	
mm²	25-10mm²
AWG	14-8

inner hexagon spanner	SW2
Strip length	
mm²	2.5 4 6 10
mm	5 5 8 11
Tightening torque	
mm²	2.5 4 6 10
Nm	1.5 1.5 2 2

Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

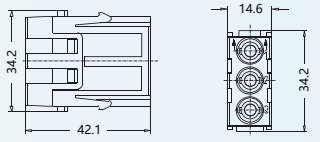
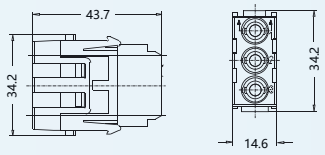


Ambient temperture[℃]

①24B enclosure with 6 modules, conductor section:6mm²

②24B enclosure with 6 modules, conductor section:4mm²

HMK-003 Axial Crimp Type Module

Product Picture	Form	Product Size
Axial crimping 	HMK-003.1-M(2.5-8mm²) HMK-003.2-M(6-10mm²)	M 
	HMK-003.1-F(2.5-8mm²) HMK-003.2-F(6-10mm²)	F 

Pump Accessories

tools

	Description	Form Type
Hexagonal Driver 	For Axial Setscrew With Grip	BS-2C40

Heavy-Duty Connector

RSWN

HMK-003

HMK-003 Cold Pressed Module Parameter

standard

DIN EN 60 664
DIN EN 61 984

Insert

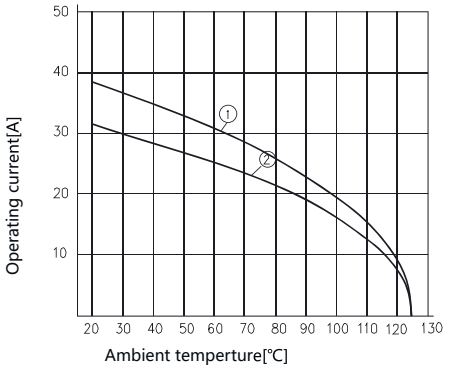
※Number of connector pins	3
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	400/690V
※Rated impulse voltage	6KV
※Pollution degree	3
※basisUL/CSA的Rated voltage	600V
※basisUL/CSA的Rated current	32A
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.3mΩ
※Cold pressed connection	
mm²	1.5-10mm²
AWG	16-8

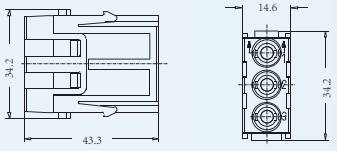
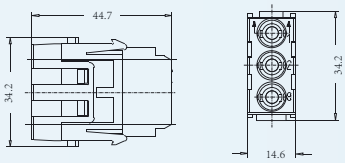
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



①24B enclosure with 6 modules, conductor section:6mm²
②24B enclosure with 6 modules, conductor section:4mm²

HMK-003 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping 	HMK-003-MC	M 
	HMK-003-FC	F 

40ACold Pressing Pins

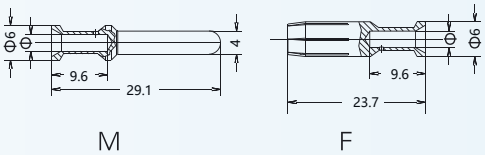


plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
1.5mm²	AWG 16	9mm	1.75	CCSF-1.5	CCSM-1.5
2.5mm²	AWG 14	9mm	2.25	CCSF-2.5	CCSM-2.5
4mm²	AWG 12	9.6mm	2.85	CCSF-4.0	CCSM-4.0
6mm²	AWG 10	9.6mm	3.5	CCSF-6.0	CCSM-6.0

Heavy-Duty Connector

RSWN

HMK-003/4

HMK-003/4 Cold Pressed

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	3/4
※Rated voltage according to EN	61 984
※Power area	
Rated current	40A
Rated voltage	830V
Rated impulse voltage	8KV
Pollution degree	3
※Signal area	
Rated current	10A
Rated voltage	830V
Rated impulse voltage	8KV
Pollution degree	3
※Rated voltage according to UL	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

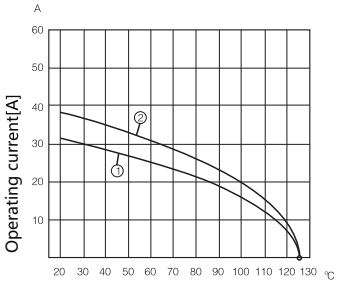
Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated

※contact resistance	
Power area	≤0.3mΩ
Signal area	≤3mΩ
※Cold pressing and cold connection	
※mm²	
Power area	1.5-6mm²
Signal area	0.14-2.5mm²
※AWG	
Power area	16-10
Signal area	26-14
※Maximum cable diameter	
Power area	5mm

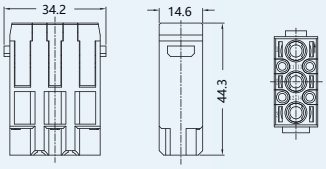
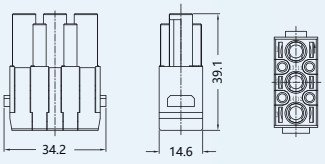
Current Load Capacity

The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5

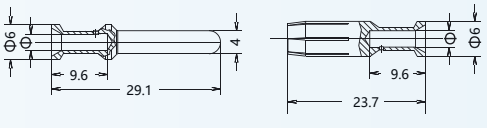


①24B enclosure with 6 modules, conductor section:4mm²
②24B enclosure with 6 modules, conductor section:6mm²

HMK-003/4 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping 	HMK-003/4-MC	M 
	HMK-003/4-FC	F 

40ACold Pressing Pins



M F

plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
1.5mm²	AWG 16	9mm	1.75	CCSF-1.5	CCSM-1.5
2.5mm²	AWG 14	9mm	2.25	CCSF-2.5	CCSM-2.5
4mm²	AWG 12	9.6mm	2.85	CCSF-4.0	CCSM-4.0
6mm²	AWG 10	9.6mm	3.5	CCSF-6.0	CCSM-6.0

Heavy-Duty Connector

RSWN

HMK-004

HMK-004 Cold Pressed Module Parameter

standard

DIN EN 60 664
DIN EN 61 984

Insert

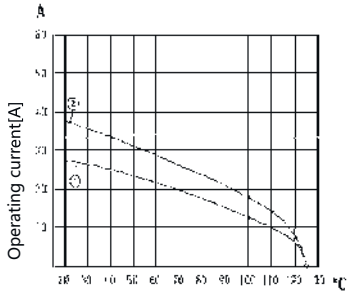
※Number of connector pins	4
※Rated voltage according to EN61 984	
※Rated current	40A
※Rated voltage	830V
※Rated impulse voltage	8KV
※Pollution degree	3
※basisUL的Rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	≤0.3mΩ
※Cold pressed connection	
mm²	1.5-6mm²
AWG	16-10

Current Load Capacity

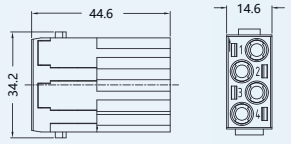
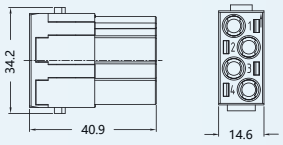
The limitation of current load capacity mainly comes from the test and control process of the maximum temperature that the connector including the contact pin can withstand according to DIN EN 605 12-5



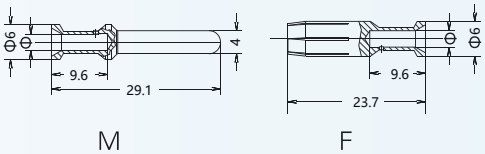
Ambient temperture[℃]

①24B enclosure with 6 modules, conductor section:4mm²
②24B enclosure with 6 modules, conductor section:6mm²

HMK-004 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping 	HMK-004-MC	M 
	HMK-004-FC	F 

40ACold Pressing Pins



M F

plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
1.5mm²	AWG 16	9mm	1.75	CCSF-1.5	CCSM-1.5
2.5mm²	AWG 14	9mm	2.25	CCSF-2.5	CCSM-2.5
4mm²	AWG 12	9.6mm	2.85	CCSF-4.0	CCSM-4.0
6mm²	AWG 10	9.6mm	3.5	CCSF-6.0	CCSM-6.0

Heavy-Duty Connector

RSWN

HME-005

HME-005 Parameters Of Spring Type Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

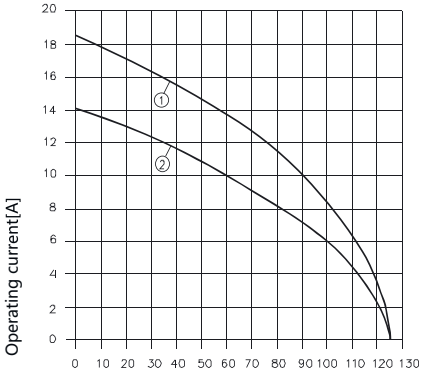
※Number of connector pins	5
※Rated voltage according to EN61 984	
※Rated current	16A
※Rated voltage	400V
※Rated impulse voltage	6KV
※Pollution degree	3
※According to UL/CSA rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver
※contact resistance	0.3mΩ
※Cable strands according to IEC 60 228-5	
※Axial screw connection	
mm²	25-10mm²
AWG	26-14

Current Load Capacity

The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5

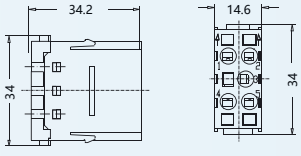
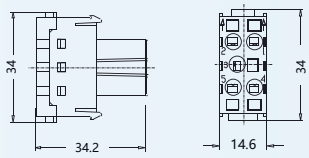


Ambient temperture[℃]

①24B enclosure with 6 modules, conductor section:2.5mm²

②24B enclosure with 6 modules, conductor section:1.5mm²

HME-005 Spring Type Module

Product Picture	Form	Product Size
Shrapnel connection  	HME-005-MS	M 
	HME-005-FS	F 

Heavy-Duty Connector

RSWN

HME-006

HME-006 Parameters Of Cold Pressed Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

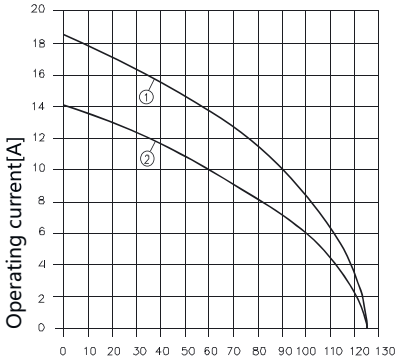
※Number of connector pins	6
※Rated voltage according to EN61 984	
※Rated current	16A
※Rated current	500V
※Rated voltage	6KV
※Rated impulse voltage	3
※Pollution degree	600V
※insulation resistance	$\geq 10^{10}\Omega$
※insulation resistance	polycarbonate
※Material Science	-40℃~+125℃
※Operating temperature range	V0
※Flame retardant grade	≥500
※Pluggable times	

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤1mΩ
※Cold pressed connection	
mm²	0.14-4mm²
AWG	26-12

Current Load Capacity

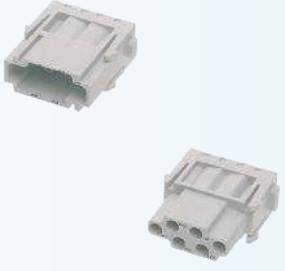
The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5

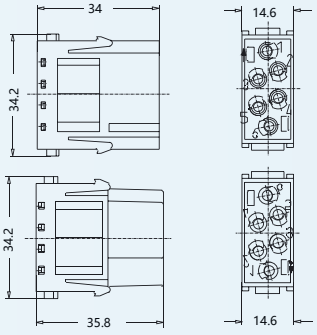


①24B enclosure with 6 modules, conductor section:2.5mm²
②24B enclosure with 6 modules, conductor section:1.5mm²

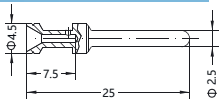
HME-006 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping	HME-006-MC	M
	HME-006-FC	F





16ACold Pressing Pins



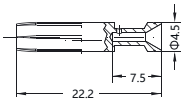


plate with silver

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

HVME-006

HVME-006 Protective Module Parameter

standard

DIN EN 60 664
DIN EN 61 984

Insert

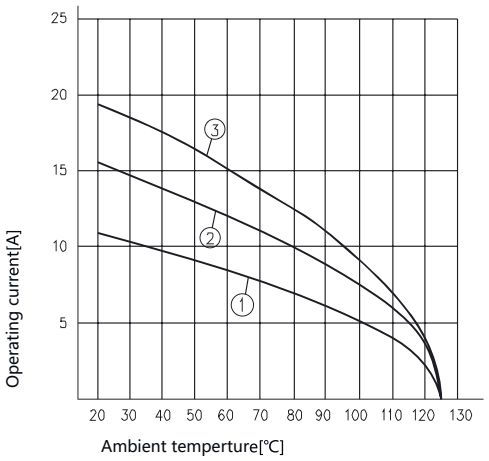
※Number of connector pins	6
※Rated voltage according to EN61 984	
※Rated current	16A
※Rated voltage	830V
※Rated impulse voltage	8KV
※Pollution degree	3
※Rated voltage according to UL	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤1mΩ
※Cold pressed connection	
mm²	0.14-4mm²
AWG	26-12

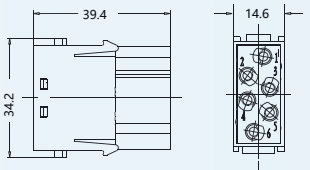
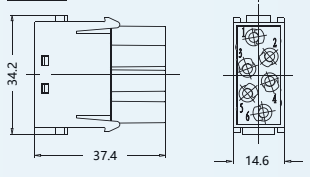
Current Load Capacity

The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5

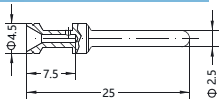


①24B enclosure with 6 modules, conductor section:1.5mm²
②24B enclosure with 6 modules, conductor section:2.5mm²
③24B enclosure with 6 modules, conductor section:4.0mm²

HVME-006 Protective Module

Product Picture	Form	Product Size
Cold crimping  	HVME-006-MC HVME-006-FC	M  F 

16A Cold Pressing Pins



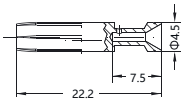


plate with silver

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

HMEE-008

HMEE-008 Parameters Of Cold Pressed Module

standard

DIN EN 60 664
DIN EN 61 984

Insert

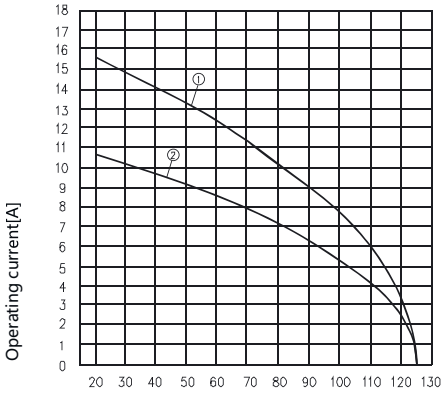
※Number of connector pins	8
※Rated voltage according to EN61 984	
※Rated current	16A
※Rated voltage	400V
※Rated impulse voltage	6KV
※Pollution degree	3
※basisUL认Rated voltage	600V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤1mΩ
※Cold pressed connection	
mm²	0.14-4mm²
AWG	26-12

Current Load Capacity

The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5



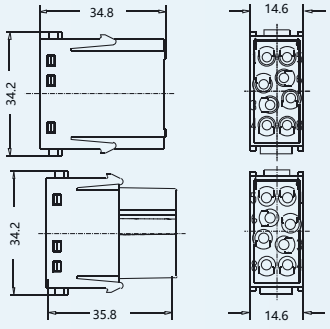
Ambient temperture[℃]

①24B enclosure with 6 modules, conductor section:2.5mm²

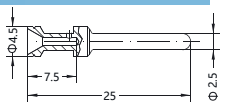
②24B enclosure with 6 modules, conductor section:1.5mm²

HMEE-008 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping	HMEE-008-MC	M
	HMEE-008-FC	F



16ACold Pressing Pins



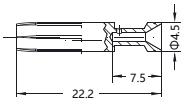


plate with silver

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

H2MEE-020

H2MEE-020 Cold Pressed Module Parameter

standard

DIN EN 60 664
DIN EN 61 984

Insert

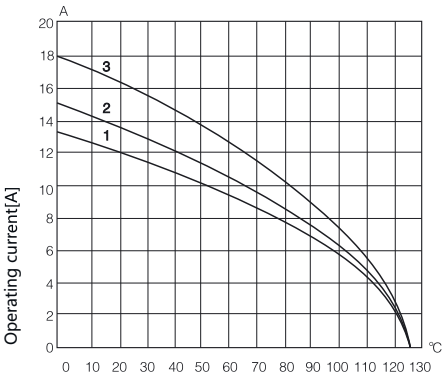
※Number of connector pins	20
※Rated voltage according to EN61 984	
※Rated current	16A
※Rated voltage	500V
※Rated impulse voltage	6KV
※Pollution degree	3
※Rated voltage according to UL	600V
※insulation resistance	$\geq 10^{10}\Omega$
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤1mΩ
※Cold pressed connection	
mm²	0.14-4mm²
AWG	26-12

Current Load Capacity

The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5



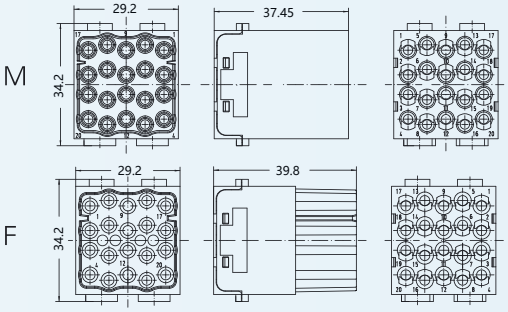
Ambient temperture[℃]

①24B enclosure with 6 modules,conductor section:1.5mm²

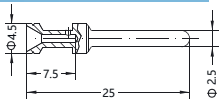
②24B enclosure with 6 modules,conductor section:2.5mm²

③24B enclosure with 6 modules,conductor section:4.0mm²

H2MEE-020 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping 	H2MEE-020-MC H2MEE-020-FC	

16ACold Pressing Pins



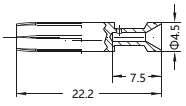


plate with silver

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CESF-0.37	CESM-0.37
0.5mm²	AWG 20	7.5mm	CESF-0.5	CESM-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CESM-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CESM-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CESM-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CESM-2.5
3.0mm²	AWG 12	7.5mm	CESF-3.0	CESM-3.0
4.0mm²	AWG 12	7.5mm	CESF-4.0	CESM-4.0

gold-plated

Cable section		Strip length	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	7.5mm	CEGF-0.37	CEGM-0.37
0.5mm²	AWG 20	7.5mm	CEGF-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CEGF-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CEGF-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CEGF-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CEGF-2.5	CEGM-2.5
3.0mm²	AWG 12	7.5mm	CEGF-3.0	CEGM-3.0
4.0mm²	AWG 12	7.5mm	CEGF-4.0	CEGM-4.0

Heavy-Duty Connector

RSWN

HMD-012

HMD-012 Spring clip Module Parameter

standard

DIN EN 60 664
DIN EN 61 984

Insert

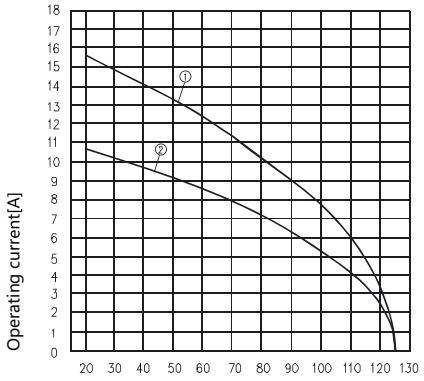
※Number of connector pins	12
※Rated voltage according to EN61 984	
※Rated current	10A
※Rated voltage	250V
※Rated impulse voltage	4KV
※Pollution degree	3
※Rated voltage according to UL	600V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Cold pressed connection	
mm²	0.14-2.5mm²
AWG	26-14

Current Load Capacity

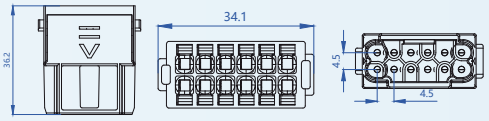
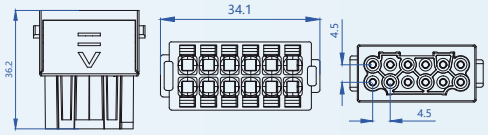
The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5



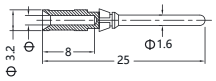
Ambient temperture[℃]

①24B enclosure with 6 modules, conductor section:2.5mm²
②24B enclosure with 6 modules, conductor section:1.5mm²

HMD-012 Spring clip Module

Product Picture	Form	Product Size
Spring clip crimping 	HMD-012-MS HMD-012 -FS	M  F 

10ACold Pressing Pins



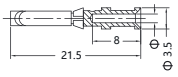


plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HMDD-017

HMDD-017 Cold Pressed Module Parameter

standard

DIN EN 60 664
DIN EN 61 984

Insert

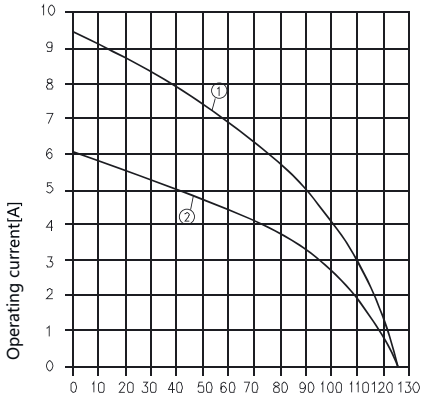
※Number of connector pins	17
※Rated voltage according to EN61 984	
※Rated current	10A
※Rated voltage	160V
※Rated impulse voltage	2.5KV
※Pollution degree	3
※Rated voltage according to UL	250V
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Cold pressed connection	
mm²	0.14-2.5mm²
AWG	26-14

Current Load Capacity

The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5

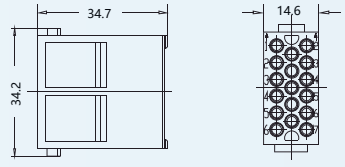
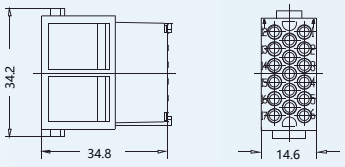


Ambient temperture[℃]

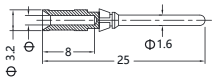
①24B enclosure with 6 modules,conductor section:1.5mm²

②24B enclosure with 6 modules,conductor section:1.0mm²

HMDD-017 Cold Pressed Module

Product Picture	Form	Product Size
Cold crimping  	HMDD-017-MC HMDD-017-FC	M  F 

10ACold Pressing Pins



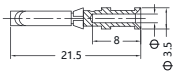


plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

Heavy-Duty Connector

RSWN

HMDS-009

HMDS-009 D-Sub Module Parameters

standard

DIN EN 60 664
DIN EN 61 984

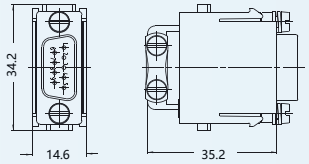
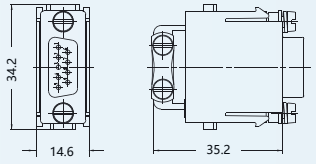
Insert

※Number of connector pins	9
※Rated voltage according to EN61 984	
※Rated current	5A
※Rated voltage	50V
※Rated impulse voltage	0.8KV
※Pollution degree	3
※Rated voltage according to UL	250V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

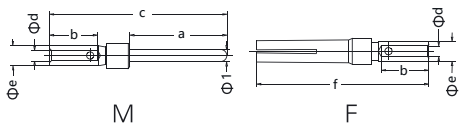
Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Cold pressed connection	
mm²	0.09-0.82mm²
AWG	28-18

HMDS-009 D-Sub Module

Product Picture	Form	Product Size
Cold crimping 	HMDS-009-MC	M 
	HMDS-009-FC	F 

5A Cold Pressing Pins



M F

a	b	c	d	e	f
8.23	4.2	14.0	1.35	1.75	13.6
8.10	4.0	14.8	1.12	1.66	14.4
8.10	4.0	14.8	0.90	1.66	14.4
8.10	4.0	14.8	0.64	1.66	14.4

gold-plated

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSGF-0.25	CSGM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSGF-0.33	CSGM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSGF-0.52	CSGM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSGF-0.82	CSGM-0.82

plate with silver

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSSF-0.25	CSSM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSSF-0.33	CSSM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSSF-0.52	CSSM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSSF-0.82	CSSM-0.82

Heavy-Duty Connector

RSWN

HMDS-025

HMDS-025 High Density Module Parameters

standard

DIN EN 60 664
DIN EN 61 984

Insert

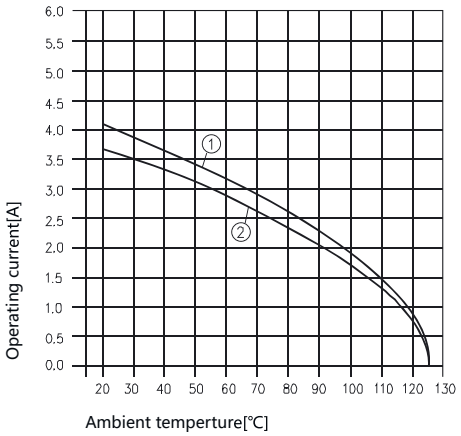
※Number of connector pins	25
※Rated voltage according to EN61 984	
※Rated current	4A
※Rated voltage	50V
※Rated impulse voltage	0.8KV
※Pollution degree	3
※insulation resistance	≥10^{10}Ω
※Material Science	polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	copper alloy
※surface treatment	plate with silver gold-plated
※contact resistance	≤3mΩ
※Cold pressed connection	
mm²	0.09-0.52mm²
AWG	28-20

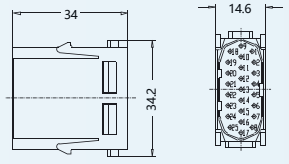
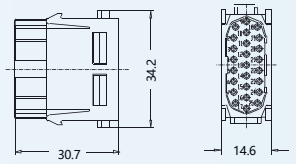
Current Load Capacity

The limitation of current load capacity mainly comes from the maximum temperature that the connector containing the contact pin can withstand Test and control process according to DIN EN 605 12-5

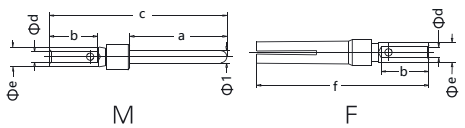


①24B enclosure with 6 modules, conductor section:0.5mm²(turning needle)
②24B enclosure with 6 modules, conductor section:0.5mm²(stamping needle)

HMDS-025 High Density Module

Product Picture	Form	Product Size
Cold crimping 	HMDS-025-MC	M 
	HMDS-025-FC	F 

5A Cold Pressing Pins



a	b	c	d	e	f
8.23	4.2	14.0	1.35	1.75	13.6
8.10	4.0	14.8	1.12	1.66	14.4
8.10	4.0	14.8	0.90	1.66	14.4
8.10	4.0	14.8	0.64	1.66	14.4

gold-plated

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSGF-0.25	CSGM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSGF-0.33	CSGM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSGF-0.52	CSGM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSGF-0.82	CSGM-0.82

plate with silver

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSSF-0.25	CSSM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSSF-0.33	CSSM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSSF-0.52	CSSM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSSF-0.82	CSSM-0.82

Heavy-Duty Connector

RSWN

HM-RJ45

HM-RJ45 Module Parameters

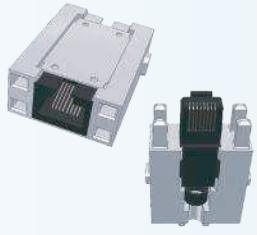
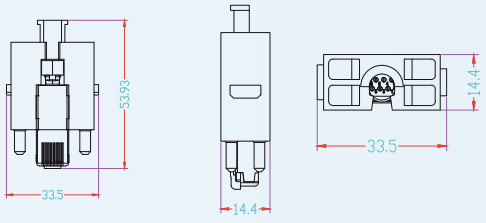
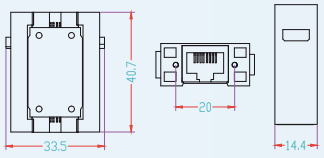
standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	8
※Rated voltage according to EN61 984	
※Rated current	1A
※Rated voltage	50V
※Rated impulse voltage	0.8KV
※Pollution degree	3
※Rated voltage according to UL	<30V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+85℃
※Flame retardant grade	V0
※Pluggable times	≥500

HM-RJ45 Module

Product Picture	Form	Product Size
Insert Used for connecting cable 	HM-RJ45-M	
	HM-RJ45-F	

Heavy-Duty Connector

RSWN

HM-USB

HM-USB Modular

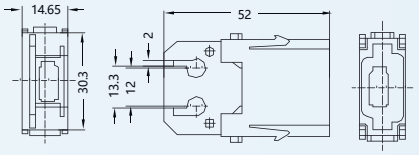
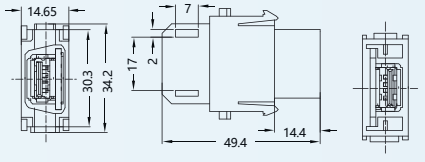
standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	4
※Rated voltage according to EN61 984	
※Rated current	1A
※Rated voltage	50V
※Rated impulse voltage	0.8KV
※Pollution degree	3
※Rated voltage according to UL	<30V
※insulation resistance	≥10^{10}Ω
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+125℃
※Flame retardant grade	V0
※Pluggable times	≥500

HM-USB Modular

Product Picture	Form	Product Size
Insert Used for connecting cable 	HM-USB-M	M 
	HM-USB-F	F 

Heavy-Duty Connector

RSWN

HMP-002

HMP-002 Pneumatic Module Parameters

standard

DIN EN 60 664
DIN EN 61 984

Insert

※Number of connector pins	2
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+80℃
※Flame retardant grade	V0
※Pluggable times	≥500

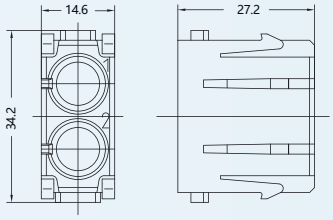
Pin

※Material Science	Delrin Acetal
※colour	Black
※Hose connection internal diameter	6.0mm/1/4"
※working pressure	(Up To) 8 Bar/116 Psi
※seal ring Material Science	Buna-n
※Locking valve Material Science	Polypropylen

HMP-002 Pneumatic Module

Description

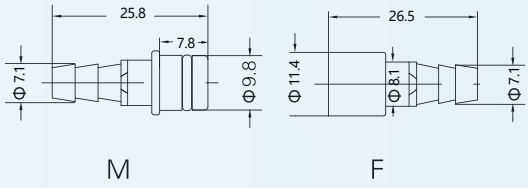
Form Type
HMP-002



Pump Accessories

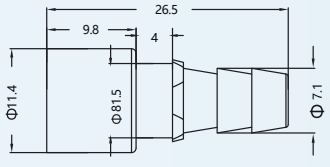
Hose Connector inner diameter (ID)

Description	Category	ID	Form Type
Without Shut Off	Male	3.0mm	PCM-3.0
		4.0mm	PCM-4.0
		6.0mm	PCM-6.0
Without Shut Off	Female	3.0mm	PCF-3.0
		4.0mm	PCF-4.0
		6.0mm	PCF-6.0



Hose Connector inner diameter(ID)

Description	Category	ID	Form Type
With Shut Off	Female	3.0mm	PCFS-3.0
		4.0mm	PCFS-4.0
		6.0mm	PCFS-6.0



Heavy-Duty Connector

RSWN

HMP-003

HMP-003 Pneumatic Module Parameters

standard

DIN EN 60 664
DIN EN 61 984

Insert

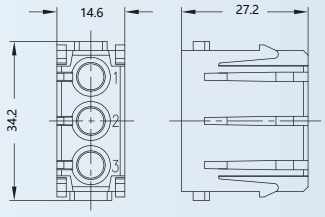
※Number of connector pins	3
※Material Science	Polycarbonate
※Operating temperature range	-40℃~+80℃
※Flame retardant grade	V0
※Pluggable times	≥500

Pin

※Material Science	Delrin Acetal
※colour	Black
※Hose connection	
internal diameter	1.6mm/1/16"
	3mm
	4mm/1/8"
※working pressure	maximum(Up To) 8 Bar/116 Psi
※seal ring	
Material Science	NBR Buna-n
※Locking valve	
Material Science	Polypropylen

HMP-003 Pneumatic Module

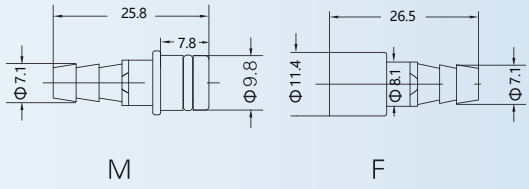
Description	Form Type
	HMP-003



Pump Accessories

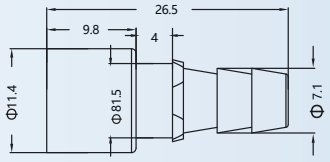
Hose Connector inner diameter (ID)

Description	Category	ID	Form Type
Without Shut Off	Male	3.0mm	PCM-3.0
		4.0mm	PCM-4.0
		6.0mm	PCM-6.0
Without Shut Off	Female	3.0mm	PCF-3.0
		4.0mm	PCF-4.0
		6.0mm	PCF-6.0



Hose Connector inner diameter (ID)

Description	Category	ID	Form Type
With Shut Off	Female	3.0mm	PCFS-3.0
		4.0mm	PCFS-4.0
		6.0mm	PCFS-6.0

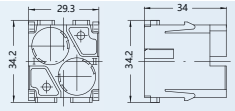
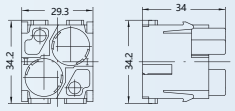
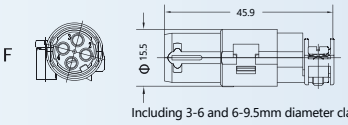
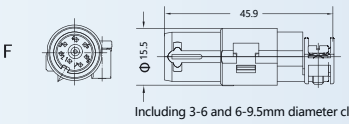


Heavy-Duty Connector

RSWN

Electromagnetic shielding module

Magnetic Shielding Module Insert

Product Picture	Form	Product Size
Cold pressed wiring 	H2M-002-M H2M-002-F	M  F 
10A cold pressing needle shall be ordered separately Cable diameter 3mm-9.5mm 	EMC-004-MC EMC-004-FC	M  F  Including 3-6 and 6-9.5mm diameter clamps
5A cold pressing needle shall be ordered separately Cable diameter 3mm-9.5mm 	EMC-008-MC EMC-008-FC	M  F  Including 3-6 and 6-9.5mm diameter clamps

10A/5ACold Pressing Pins

10ACold pressing needle

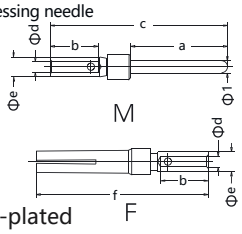
plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

5ACold pressing needle



a	b	c	d	e	f
8.23	4.2	14.0	1.35	1.75	13.6
8.10	4.0	14.8	1.12	1.66	14.4
8.10	4.0	14.8	0.90	1.66	14.4
8.10	4.0	14.8	0.64	1.66	14.4

gold-plated

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSGF-0.25	CSGM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSGF-0.33	CSGM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSGF-0.52	CSGM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSGF-0.82	CSGM-0.82

plate with silver

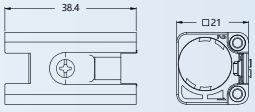
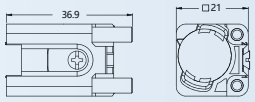
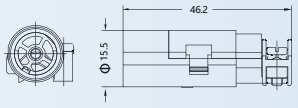
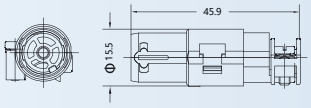
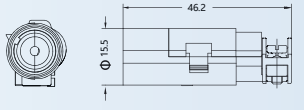
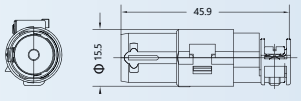
Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSSF-0.25	CSSM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSSF-0.33	CSSM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSSF-0.52	CSSM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSSF-0.82	CSSM-0.82

Heavy-Duty Connector

RSWiN

- **electricMagnetic shielding module**

Magnetic Shielding Module Insert

Product Picture	Form	Product Size
Cold pressed wiring 	H3A-001-M H3A-001-F	M  F 
Impedance 75 Ω 10A cold pressing needle shall be ordered separately Cable diameter 3mm-9.5mm 	EMC-001-MC EMC-001-FC	M  F 
Impedance 50 Ω 16A cold pressing needle shall be ordered separately Cable diameter 3mm-9.5mm 	EMC-001-MC/E EMC-001-FC/E	M  F 

10A/5ACold Pressing Pins

10ACold pressing needle

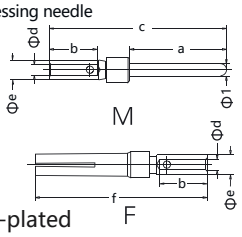
plate with silver

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDSF-0.37	CDSM-0.37
0.5mm²	AWG 20	8mm	1.1	CDSF-0.5	CDSM-0.5
0.75mm²	AWG 18	8mm	1.3	CDSF-0.75	CDSM-0.75
1.0mm²	AWG 18	8mm	1.45	CDSF-1.0	CDSM-1.0
1.5mm²	AWG 16	8mm	1.75	CDSF-1.5	CDSM-1.5
2.5mm²	AWG 14	8mm	2.25	CDSF-2.5	CDSM-2.5

gold-plated

Cable section		Strip length	Φ	Female needle model	Male needle model
014-0.37mm²	AWG 26-22	8mm	0.9	CDGF-0.37	CDGM-0.37
0.5mm²	AWG 20	8mm	1.1	CDGF-0.5	CDGM-0.5
0.75mm²	AWG 18	8mm	1.3	CDGF-0.75	CDGM-0.75
1.0mm²	AWG 18	8mm	1.45	CDGF-1.0	CDGM-1.0
1.5mm²	AWG 16	8mm	1.75	CDGF-1.5	CDGM-1.5
2.5mm²	AWG 14	8mm	2.25	CDGF-2.5	CDGM-2.5

5ACold pressing needle



a	b	c	d	e	f
8.23	4.2	14.0	1.35	1.75	13.6
8.10	4.0	14.8	1.12	1.66	14.4
8.10	4.0	14.8	0.90	1.66	14.4
8.10	4.0	14.8	0.64	1.66	14.4

gold-plated

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSGF-0.25	CSGM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSGF-0.33	CSGM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSGF-0.52	CSGM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSGF-0.82	CSGM-0.82

Cable section		Strip length	Female needle model	Male needle model
0.09-0.25mm²	AWG 28-24	5mm	CSSF-0.25	CSSM-0.25
0.13-0.33mm²	AWG 26-22	5mm	CSSF-0.33	CSSM-0.33
0.33-0.52mm²	AWG 22-20	5mm	CSSF-0.52	CSSM-0.52
0.33-0.82mm²	AWG 22-18	5mm	CSSF-0.82	CSSM-0.82

Heavy-Duty Connector

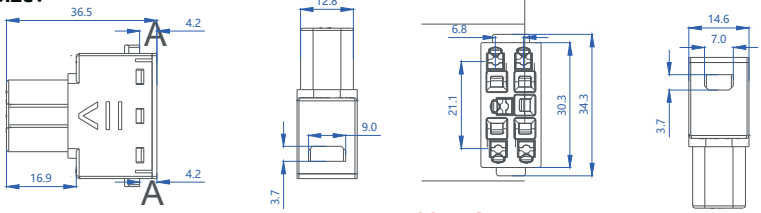
RSWN

Connection mode display

5-core Insert Spring Connection

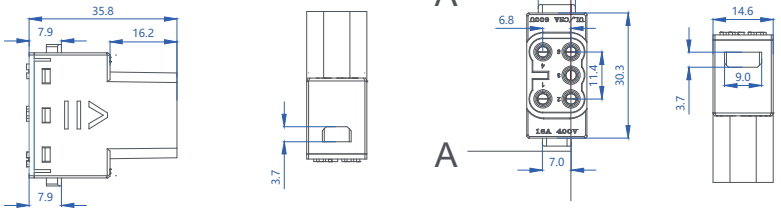
HME-005-FS HME-005-MS

Product Size:



HME-005-FS

Splicing diagram

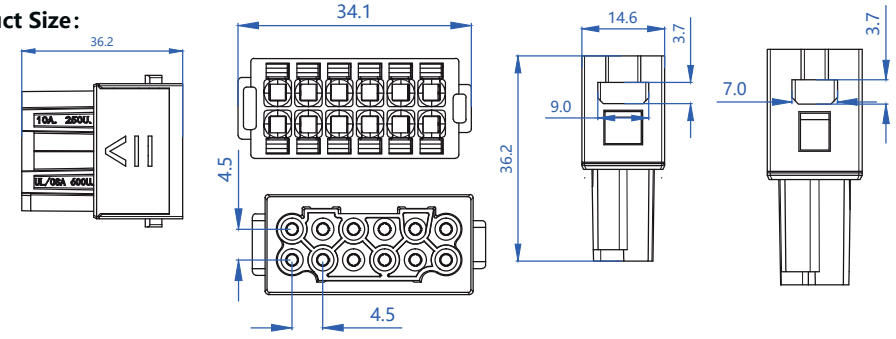


HME-005-MS

5-core Insert Spring Connection

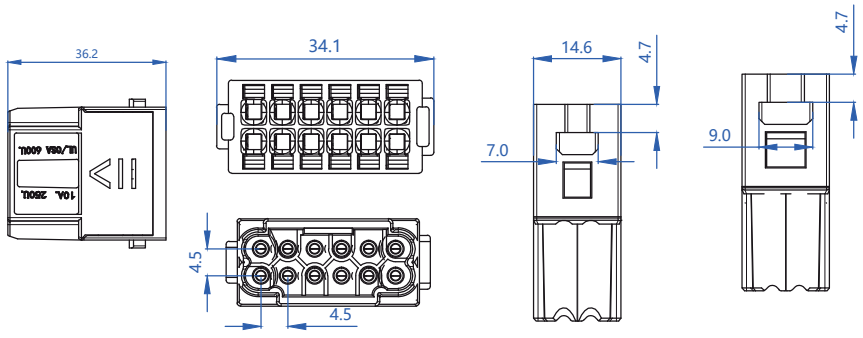
HMD-012-FS HMD-012-MS

Product Size:



HMD-012-FS

Splicing diagram



HMD-012-MS

Heavy-Duty Connector

RSWN

HMSC-004 SCOptical fiber module

Can be combined with the framework and all other module products

Insert technologyparameter

DIN EN 60 664
DIN EN 61 984

standard/authentication

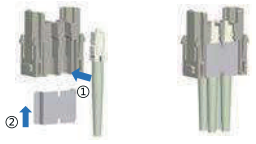
standard authentication

Insert

Number of connector pins	4
insertion loss	< 0.5 dB
Material Science	polycarbonate
Operating temperature range	-40 °C ... +85 °C
Flame retardant rating according to UL 94	V 0
Pluggable times	≥ 500

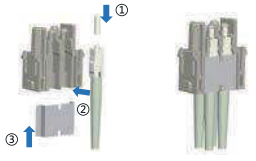
Assembly instructions

HMSC-004-MC



Step 1: Install the SC optical fiber jumper into the corresponding groove of the module;
Step 2: Push the fixing piece up slightly along the opening slot at the bottom of the module to cover the SC optical fiber,
Until the notch of the fixing sheet is clamped into the module; installation is complete

HMSC-004-FC

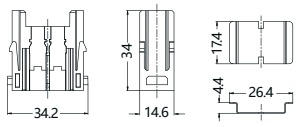


Step 1: Put the positioning sleeve onto the core of SC optical fiber jumper, and press it down until it contacts;
Step 2: Install the SC optical fiber jumper into the corresponding groove of the module;
Step 3: Push the fixing piece up slightly along the opening slot at the bottom of the module to cover the SC optical fiber
Until the notch of the fixing sheet is clamped into the module; installation is complete

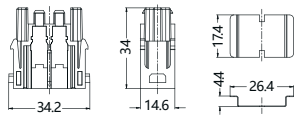
Optical fiber module SC optical fiber connector shall be ordered separately

Insert	Form	Order No
Male	HMSC-004-MC	129 004 010 0091
Female	HMSC-004-FC	129 004 020 0091

M



F

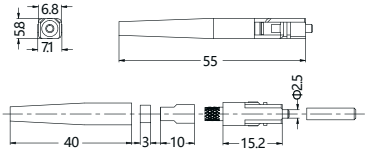


SC Optical fiber jumper[1)]

SC Optical fiber jumper

Single mode: 9/125 μ m.
Applicable to GI fiber

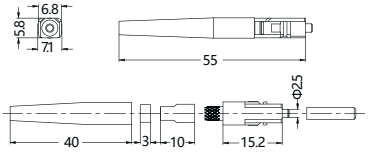
describe	Form	Order No
Loose parts[2)]	SC-PC/SM-3.0	295 000 001 0002
Jumper	PC-SC/UPC-SC/UPC-1.0(9/125μm-φ3.0)	906 010 000 0099
	PC-SC/UPC-SC/UPC-2.0(9/125μm-φ3.0)	906 010 000 0100



SC Optical fiber jumper

Multimode: 50/125 μ M or 62.5/125 μ m
Applicable to GI fiber

describe	Form	Order No
Loose parts[2)]	SC-PC/MM-3.0	295 000 001 0001
Jumper	PC-SC/UPC-SC/UPC-1.0(50/125μm-φ3.0)	906 010 000 0097
	PC-SC/UPC-SC/UPC-2.0(50/125μm-φ3.0)	906 010 000 0098
	PC-SC/UPC-SC/UPC-1.0(62.5/125μm-φ3.0)	906 010 000 0095
	PC-SC/UPC-SC/UPC-2.0(62.5/125μm-φ3.0)	906 010 000 0096



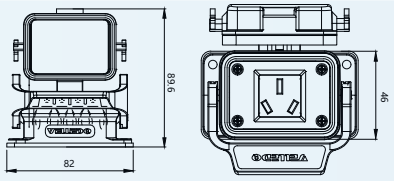
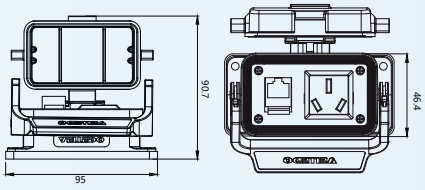
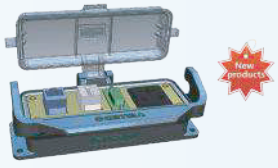
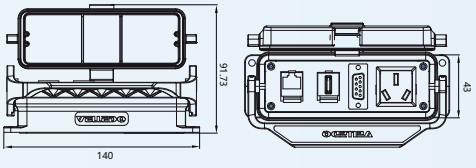
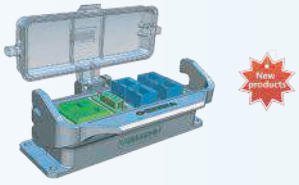
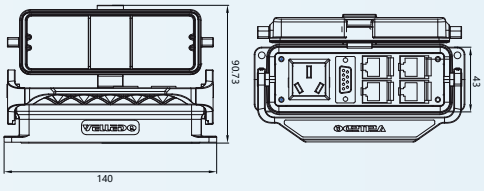
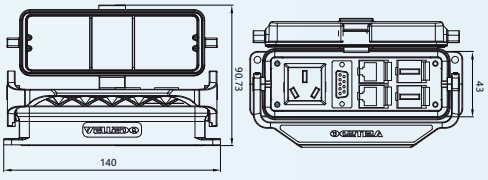
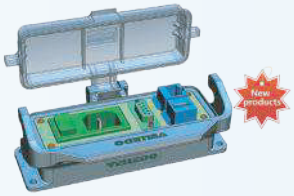
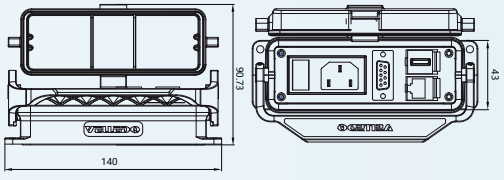
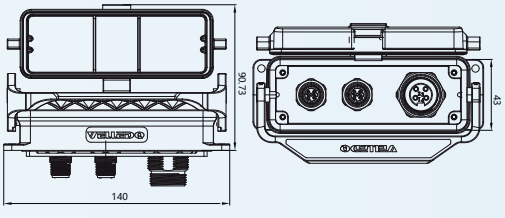
1) Different specifications and lengths of optical fiber jumpers for SC, FC, ST, LC, MTRJ can be customized.

2) The purchase of spare parts requires corresponding professional equipment.

Heavy-Duty Connector

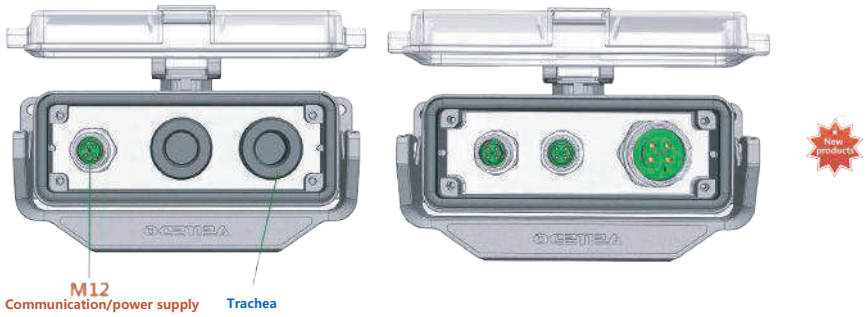
RSWN

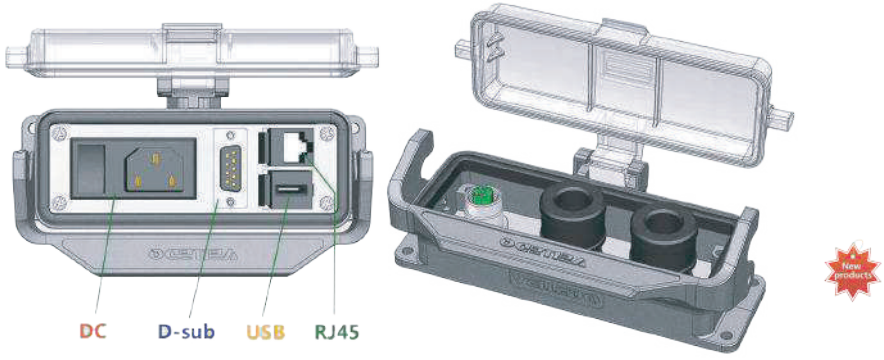
- **Heavy Duty Panel**

Product Picture	Form	Product Size
	H6B-K-1L-TX-MB-A1	
	H10B-K-1L-TX-MB-A1	
	H24B-K-1L-TX-MB-A1	
	H24B-K-1L-TX-MB-A2	
	H24B-K-1L-TX-MB-A3	
	H24B-K-1L-TX-MB-A4	
	H24B-K-1L-TX-MB-A5	

Heavy-Duty Connector

- **Heavy Duty Panel**





Heavy-Duty Connector

RSWN

Heavy duty housing

Standard plastic housing

Material	PC
Colour	Light grey(RAL 7032)
Locking element	
Lever type	lever,plastic
Material	polyamide
Hoods/Housings Sealing	NBR
Limiting Temperatures	-40~+125℃
Flammability Acc. To UL94	V0
Degree of protection acc. to EN 60529 for coupled connector	IP65

Standard Hoods/Housings

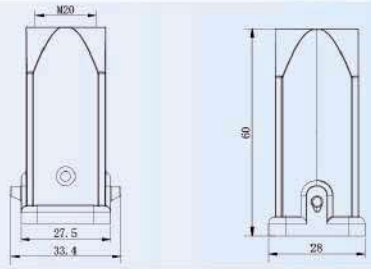
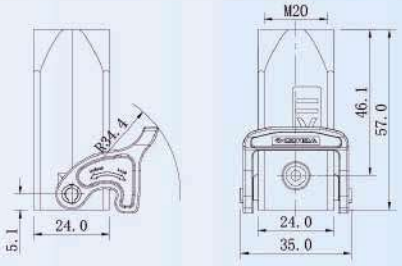
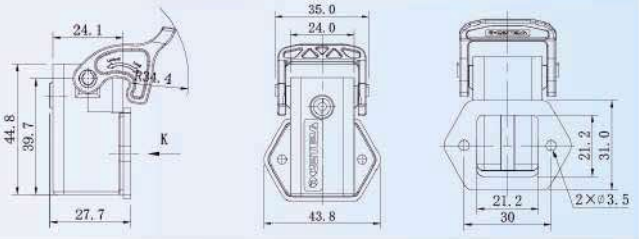
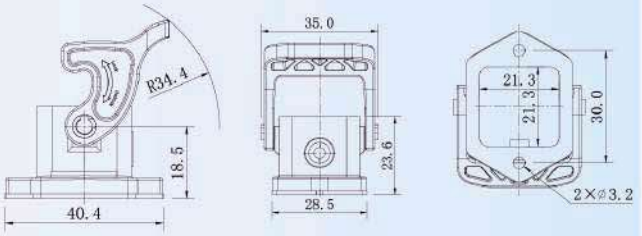
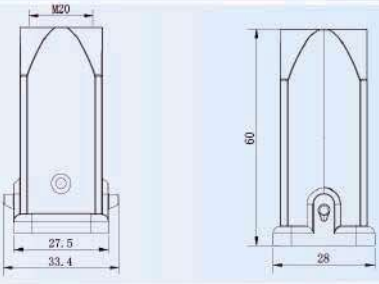
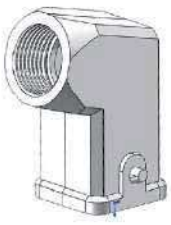
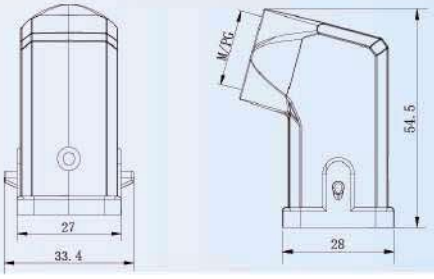
Material	Aluminium die-cast
Colour	Grey
Locking element	
Lever type	Lever,metal
Material	stainless steel or steel zinc-plated
Hoods/Housings Sealing	NBR
Limiting temperatures	-40~+125℃
Flammability acc. to UL94	V0
Degree of protection acc. to EN 60529 for coupled connector	IP65

Hoods/Housings,pressure tight

Material	Aluminium die-cast,corrosion resistant
Colour	black or grey(RAL 9005 or 7037)
Locking element	
Lever type	Screw locking
Material	stainless steel
Hoods/Housings Sealing	NBR
Limiting temperatures	-40~+125℃
Flammability acc. to UL94	V0
Degree of protection acc. to EN 60529 for coupled connector	IP68

Heavy-Duty Connector

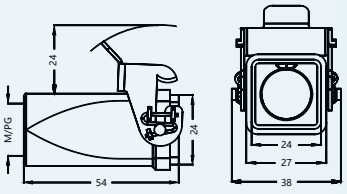
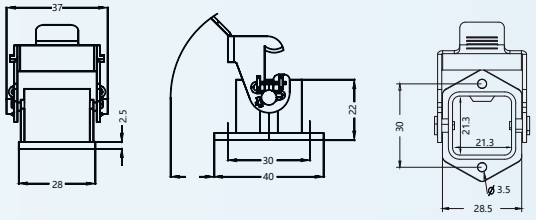
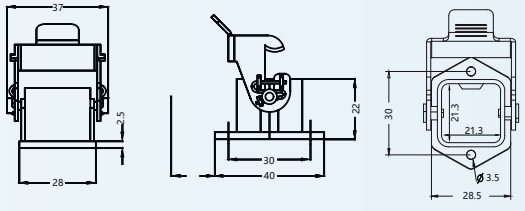
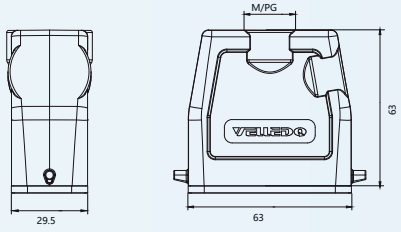
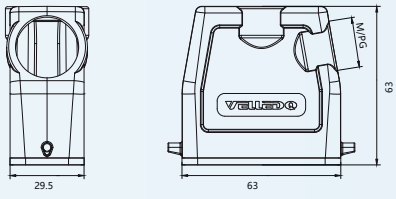
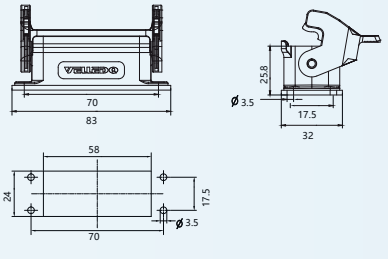
Heavy duty housing

Product Picture	Form	Product Size
	H3A.P-T-2B-M20 H3A.P-T-2B-PG11	
	H3A.P-CT-1L-M20 H3A.P-CT-1L-PG11	
	H3A.P-K-1L-S	
	H3A.P-K-1L	
	H3A-T-2B-M20 H3A-T-2B-PG11	
	H3A-S-2B-M20 H3A-S-2B-PG11	

Heavy-Duty Connector

RSWN

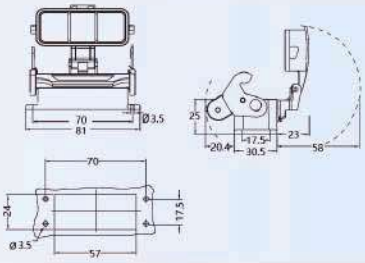
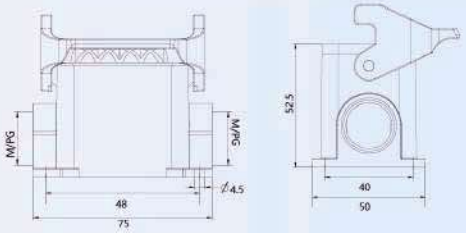
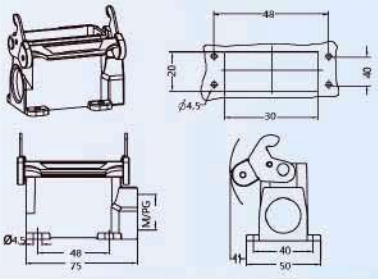
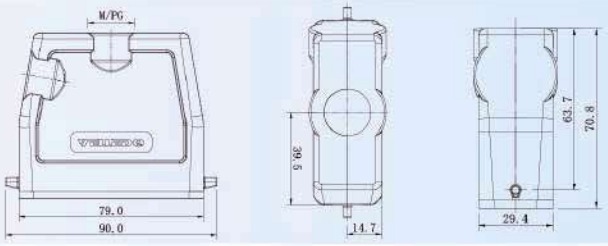
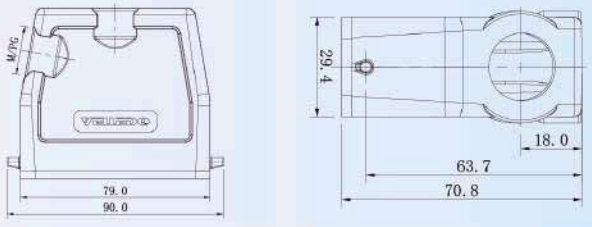
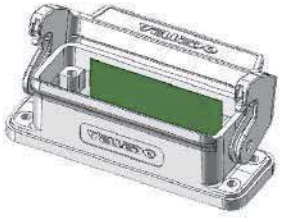
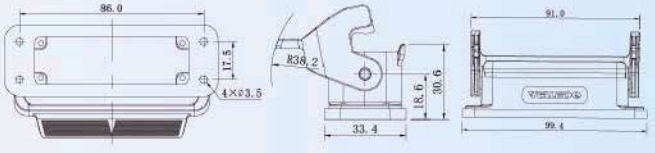
Heavy duty housing

Product Picture	Form	Product Size
	H3A-CT-1L-M20 H3A-CT-1L-PG11	
	H3A-K-1L	
	H3A-K-1L-MCV	
	H10A-T-2B-M20 H10A-T-2B-M25 H10A-T-2B-PG16 H10A-T-2B-PG21	
	H10A-S-2B-M20 H10A-S-2B-M25 H10A-S-2B-PG16 H10A-S-2B-PG21	
	H10A-K-1L	

Heavy-Duty Connector

RSWN

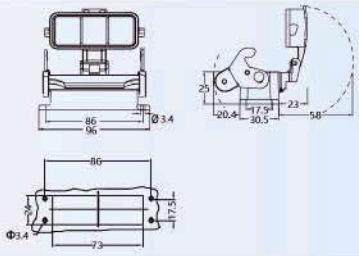
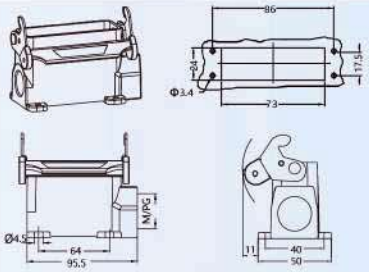
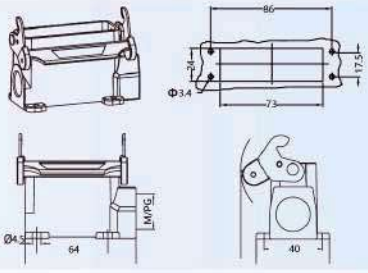
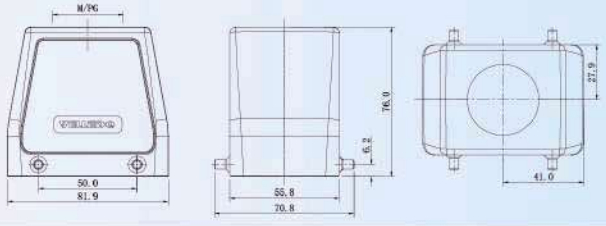
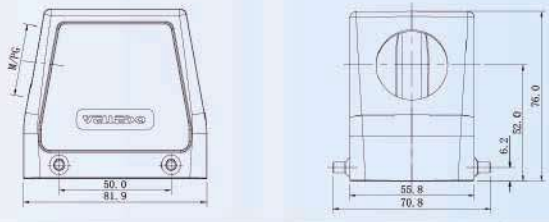
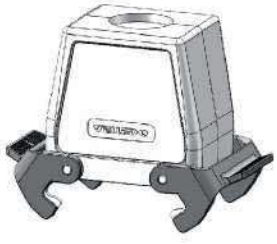
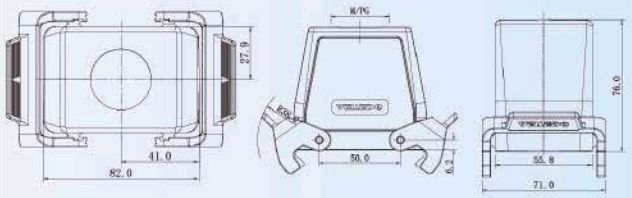
Heavy duty housing

Product Picture	Form	Product Size
	H10A-K-1L-CV H10A-K-1L-MCV	
	H10A-F-1L-M20 H10A-F-1L-2M20 H10A-F-1L-M25 H10A-F-1L-PG16 H10A-F-1L-2PG16 H10A-F-1L-PG21	
	H10A-F-1L-CV-M20 H10A-F-1L-CV-2M20 H10A-F-1L-CV-M25 H10A-F-1L-CV-PG16 H10A-F-1L-CV-2PG16 H10A-F-1L-CV-PG21	
	H16A-T-2B-M20 H16A-T-2B-M25 H16A-T-2B-PG16 H16A-T-2B-PG21	
	H16A-S-2B-M20 H16A-S-2B-M25 H16A-S-2B-PG16 H16A-S-2B-PG21	
	H16A-K-1L	

Heavy-Duty Connector

RSWN

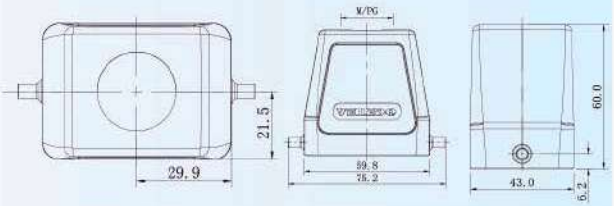
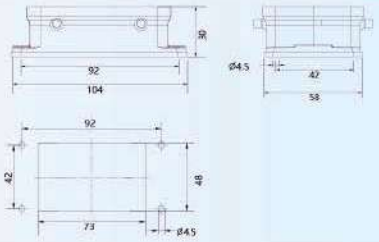
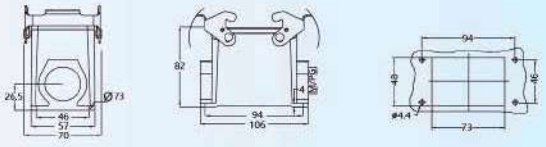
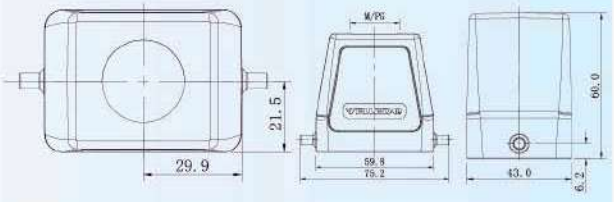
Heavy duty housing

Product Picture	Form	Product Size
	H16A-K-1L-CV H16A-K-1L-MCV	
	H16A-F-1L-2M20 H16A-F-1L-M25 H16A-F-1L-PG16 H16A-F-1L-2PG16 H16A-F-1L-PG21	
	H16A-F-1L-CV-2M20 H16A-F-1L-CV-M25 H16A-F-1L-CV-PG16 H16A-F-1L-CV-2PG16 H16A-F-1L-CV-PG21	
	H32A-T-4B-M25 H32A-T-4B-M32 H32A-T-4B-PG21 H32A-T-4B-PG29	
	H32A-S-4B-M25 H32A-S-4B-M32 H32A-S-4B-PG21 H32A-S-4B-PG29	
	H32A-T-2L-M25 H32A-T-2L-M32 H32A-T-2L-PG21 H32A-T-2L-PG29	

Heavy-Duty Connector

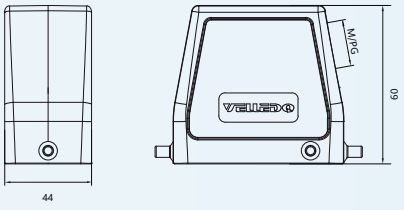
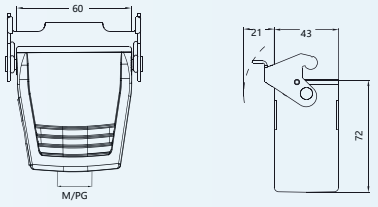
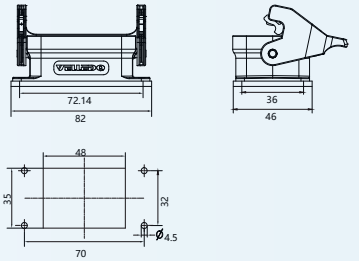
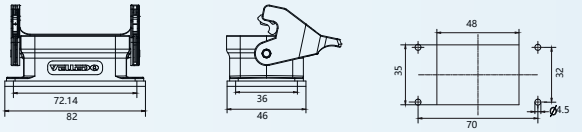
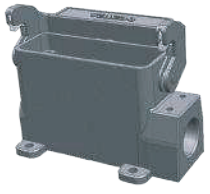
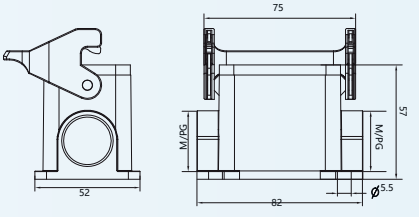
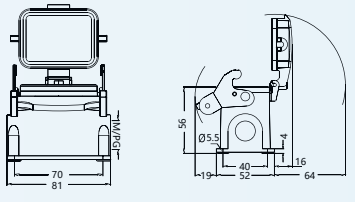
RSWN

Heavy duty housing

Product Picture	Form	Product Size
	H32A-S-2L-M25 H32A-S-2L-M32 H32A-S-2L-PG21 H32A-S-2L-PG29	
	H32A-K-4B	
	H32A-K-2L	
	H32A-K-4B-CV H32A-K-4B-MCV	
	H32A-F-2L-M25 H32A-F-2L-M32 H32A-F-2L-2M32 H32A-F-2L-PG21 H32A-F-2L-2PG21 H32A-F-2L-PG29 H32A-F-2L-2PG29	
	H6B-TH-2B-M20 H6B-TH-2B-M25 H6B-TH-2B-M32 H6B-TH-2B-PG13.5 H6B-TH-2B-PG16 H6B-TH-2B-PG21	

Heavy-Duty Connector

- **Heavy duty housing**

Product Picture	Form	Product Size
	H6B-SH-2B-M20 H6B-SH-2B-M25 H6B-SH-2B-M32 H6B-SH-2B-PG13.5 H6B-SH-2B-PG16 H6B-SH-2B-PG21	
	H6B-CTH-1L-M25 H6B-CTH-1L-PG21	
	H6B-K-1L	
	H6B-K-1L-CV	
	H6B-F-1L-M20 H6B-F-1L-2M20 H6B-F-1L-M25 H6B-F-1L-2M25 H6B-F-1L-PG16 H6B-F-1L-2PG16	
	H6B-F-1L-CV-M20 H6B-F-1L-CV-2M20 H6B-F-1L-CV-M25 H6B-F-1L-CV-2M25 H6B-F-1L-CV-PG16 H6B-F-1L-CV-2PG16	

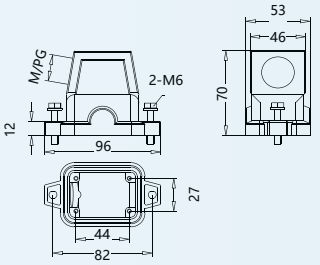
Heavy-Duty Connector

RSWN

6B High protective housing　Degree of protection ： IP68

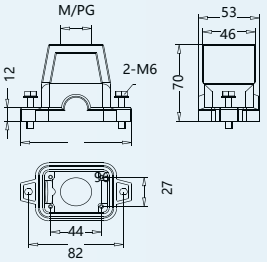
Upper shell Side outlet High structure

thread	Form	Order No
M20	HP6B-SH-2S-M20	115 006 520 5102
M25	HP6B-SH-2S-M25	115 006 520 5103
M32	HP6B-SH-2S-M32	115 006 520 5104
PG16	HP6B-SH-2S-PG16	115 006 520 5110
PG21	HP6B-SH-2S-PG21	115 006 520 5111



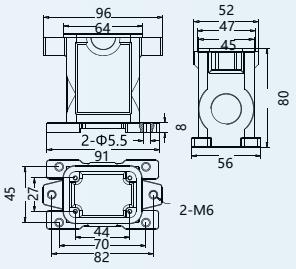
Upper shell Jacking wire High structure

thread	Form	Order No
M20	HP6B-TH-2S-M20	115 006 420 5102
M25	HP6B-TH-2S-M25	115 006 420 5103
M32	HP6B-TH-2S-M32	115 006 420 5104
PG16	HP6B-TH-2S-PG16	115 006 420 5110
PG21	HP6B-TH-2S-PG21	115 006 420 5111
PG29	HP6B-TH-2S-PG29	115 006 420 5112



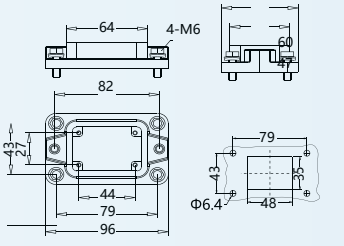
Lower shell of back cover High structure

thread	Form	Order No
M20	HP6B-SH-2H-M20	115 006 220 5002
M25	HP6B-SH-2H-M25	115 006 220 5003
M32	HP6B-SH-2H-M32	115 006 220 5004
PG16	HP6B-SH-2H-PG16	115 006 220 5010
PG21	HP6B-SH-2H-PG21	115 006 220 5011



Unsealed lower shell

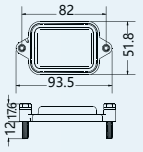
thread	Form	Order No
---	HP6B-BK-2H	115 006 320 1001



Panel hole drawing

Plastic protective cover

Wiring mode	Form	Order No
---	HP6B-CV-2S/2	115 006 020 8002



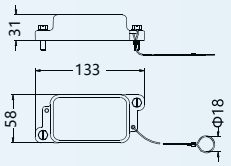
Heavy-Duty Connector

RSWN

6B High protective housing Degree of protection : IP68

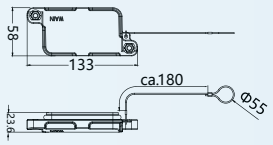
Protective cover For lower shell

Wiring mode	Form	Order No
	Bolt interlock	
	HP6B/H-CV-2S	113 606 020 8101
	Axle pin interlock	
	HP6B/H-CV-2T	113 606 040 8103



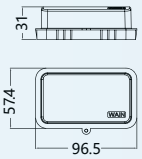
Protective cover For Upper shell

Wiring mode	Form	Order No
	Bolt interlock	
	HP6B/H-CV-2H/1	113 606 020 8111
	Axle pin interlock	
	HP6B/H-CV-2T/1	113 606 040 8101



Protective cover,For lower shell(IP5X)

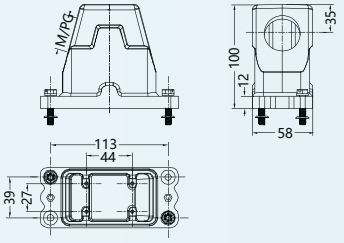
Wiring mode	Form	Order No
---	HP6B/H-CV/C	113 006 900 8002



Degree of protection:IP68/IP69K (The following enclosures comply with China's rail transit industry standards)

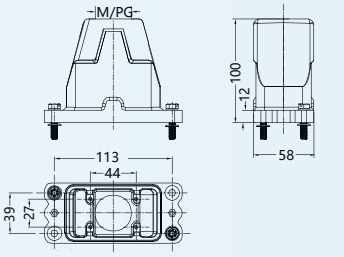
Upper shell Side outlet High structure

thread	Form	Order No
M20	HP6B/H-SH-4S-M20	113 606 530 5002
M25	HP6B/H-SH-4S-M25	113 606 530 5003
M32	HP6B/H-SH-4S-M32	113 606 530 5004
M40	HP6B/H-SH-4S-M4 0	113 606 530 5005
PG16	HP6B/H-SH-4S-PG16	113 606 530 5010
PG21	HP6B/H-SH-4S-PG21	113 606 530 5011



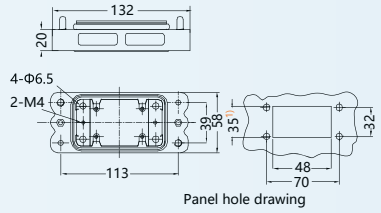
Upper shell Jacking wire High structure

thread	Form	Order No
M20	HP6B/H-TH-4S-M20	113 606 430 5002
M25	HP6B/H-TH-4S-M25	113 606 430 5003
M32	HP6B/H-TH-4S-M32	113 606 430 5004
M40	HP6B/H-TH-4S-M40	113 606 430 5005
PG16	HP6B/H-TH-4S-PG16	113 606 430 5010
PG21	HP6B/H-TH-4S-PG21	113 606 430 5011
PG29	HP6B/H-TH-4S-PG29	113 606 430 5012



Unsealed lower shell

thread	Form	Order No
---	HP6B/H-BK-4H	113 606 330 1001



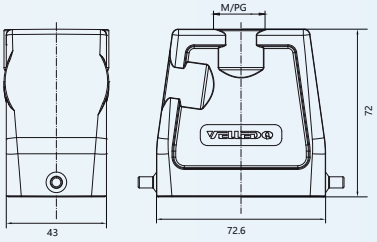
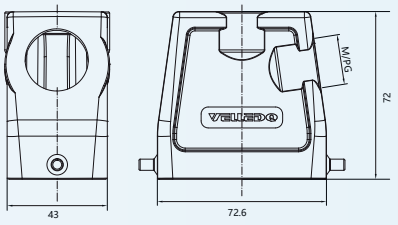
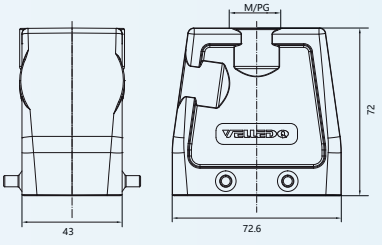
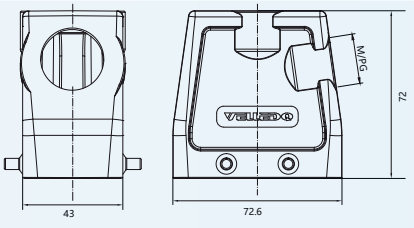
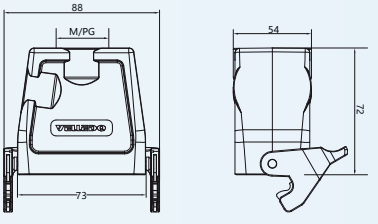
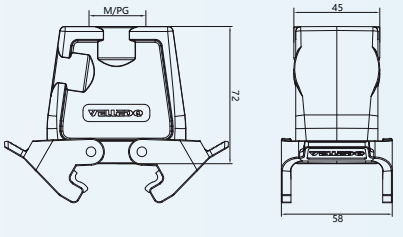
Panel hole drawing

notes 1).When equipped with HC650 insert, the size is 43.

Heavy-Duty Connector

RSWN

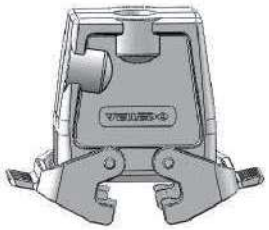
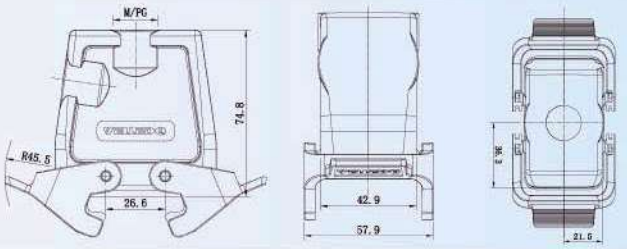
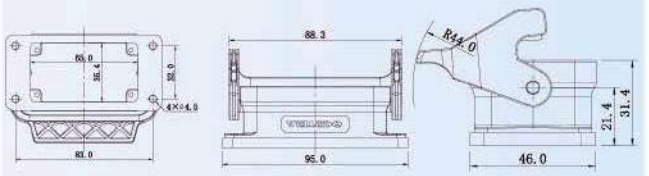
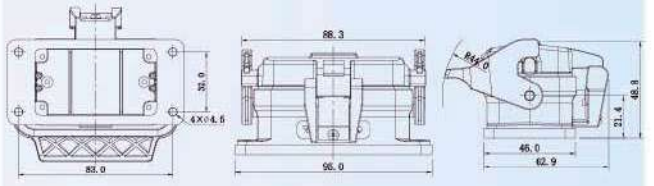
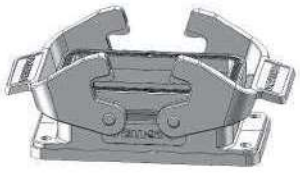
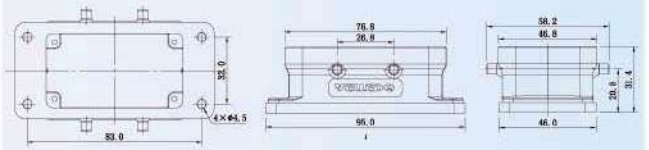
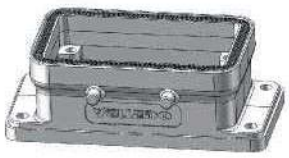
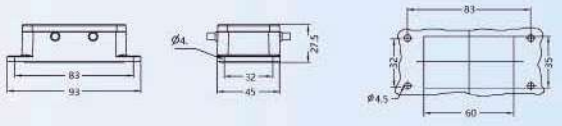
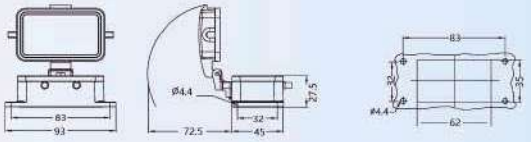
Heavy duty housing

Product Picture	Form	Product Size
	H10B-TH-2B-M20 H10B-TH-2B-M25 H10B-TH-2B-PG16 H10B-TH-2B-PG21	
	H10B-SH-2B-M20 H10B-SH-2B-M25 H10B-SH-2B-PG16 H10B-SH-2B-PG21	
	H10B-TH-4B-M20 H10B-TH-4B-M25 H10B-TH-4B-PG16 H10B-TH -4B-PG21	
	H10B-S-4B-M20 H10B-S-4B-M25 H10B-S-4B-PG16 H10B-S-4B-PG21	
	H10B-TH-1L-M25 H10B-TH-1L-PG21 H10B-TH-1L-M32 H10B-TH-1L-PG29	
	H10B-TH-2L-M25 H10B-TH-2L-PG21 H10B-TH-2L-M32 H10B-TH-2L-PG29	

Heavy-Duty Connector

RSWN

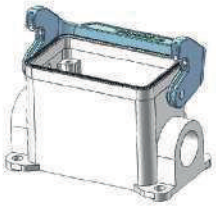
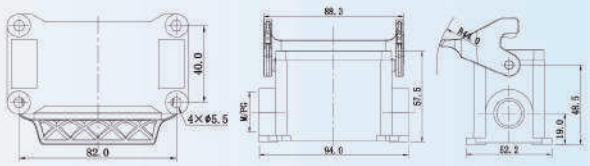
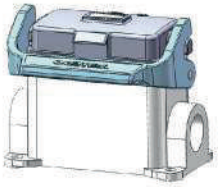
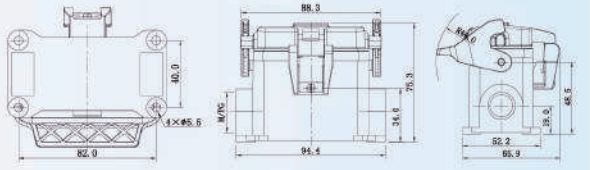
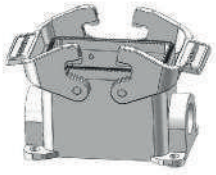
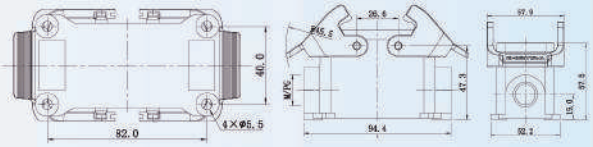
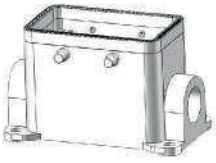
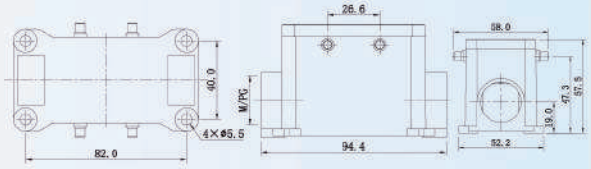
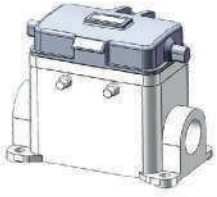
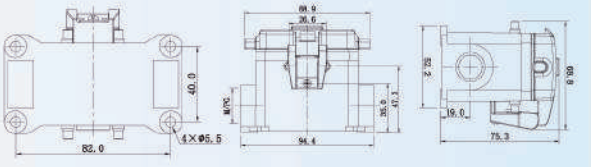
Heavy duty housing

Product Picture	Form	Product Size
	H10B-CTH-2L-M25 H10B-CTH-2L-PG21 H10B-CTH-2L-M32 H10B-CTH-2L-PG29	
	H10B-K-1L	
	H10B-K-1L-CV H10B-K-1L-MCV	
	H10B-K-2L	
	H10B-K-4B	
	H10B-K-4B-CV H10B-K-4B-MCV	

Heavy-Duty Connector

RSWN

Heavy duty housing

Product Picture	Form	Product Size
	H10B-F-1L-M20 H10B-F-1L-2M20 H10B-F-1L-M25 H10B-F-1L-2M25 H10B-F-1L-PG16 H10B-F-1L-2PG16	
	H10B-F-1L-CV-M20 H10B-F-1L-CV-2M20 H10B-F-1L-CV-M25 H10B-F-1L-CV-2M25 H10B-F-1L-CV-PG16 H10B-F-1L-CV-2PG16	
	H10B-F-2L-M20 H10B-F-2L-2M20 H10B-F-2L-M25 H10B-F-2L-2M25 H10B-F-2L-PG16 H10B-F-2L-2PG16	
	H10B-F-4B-M20 H10B-F-4B-2M20 H10B-F-4B-M25 H10B-F-4B-2M25 H10B-F-4B-PG16 H10B-F-4B-2PG16	
	H10B-F-4B-CV-M20 H10B-F-4B-CV-2M20 H10B-F-4B-CV-M25 H10B-F-4B-CV-2M25 H10B-F-4B-CV-PG16	

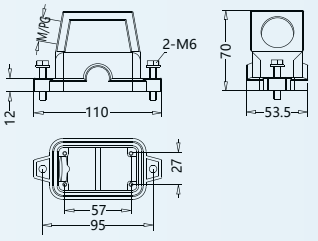
Heavy-Duty Connector

RSWN

10B High protective housing Degree of protection: IP68/IP69K

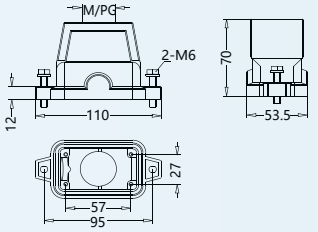
Upper shell Side outlet High structure

thread	Form	Order No
M20	HP10B-SH-2S-M20	115 010 520 5002
M25	HP10B-SH-2S-M25	115 010 520 5103
M32	HP10B-SH-2S-M32	115 010 520 5104
PG16	HP10B-SH-2S-PG16	115 010 520 5110
PG21	HP10B-SH-2S-PG21	115 010 520 5111



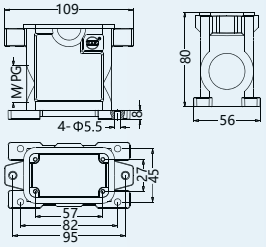
Upper shell Jacking wire High structure

thread	Form	Order No
M20	HP10B-TH-2S-M20	115 010 420 5002
M25	HP10B-TH-2S-M25	115 010 420 5103
M32	HP10B-TH-2S-M32	115 010 420 5104
PG16	HP10B-TH-2S-PG16	115 010 420 5110
PG21	HP10B-TH-2S-PG21	115 010 420 5111
PG29	HP10B-TH-2S-PG29	115 010 420 5012



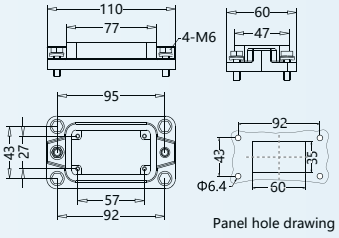
Lower shell of back cover High structure

thread	Form	Order No
M20	HP10B-SH-2H-M20	115 010 220 5002
M25	HP10B-SH-2H-M25	115 010 220 5003
M32	HP10B-SH-2H-M32	115 010 220 5004
PG16	HP10B-SH-2H-PG16	115 010 220 5010
PG21	HP10B-SH-2H-PG21	115 010 220 5011



Unsealed lower shell

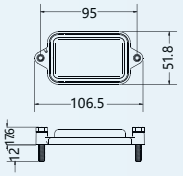
thread	Form	Order No
---	HP10B-BK-2H	115 010 320 1001



Panel hole drawing

Plastic protective cover

Wiring mode	Form	Order No
---	HP10B-CV-2S/2	115 010 020 8002

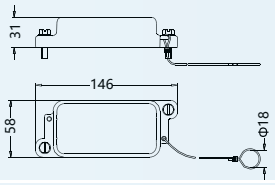


Heavy-Duty Connector

10B High protective housing Degree of protection： IP68

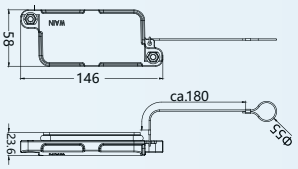
Protective cover For lower shell

Wiring mode	Form	Order No
	Bolt interlock	
	HP10B/H-MCV-2S	113 610 020 8101
	Axle pin interlock	
	HP10B/H-MCV-2T	113 610 040 8103



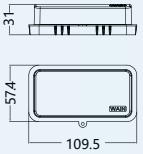
Protective cover For Upper shell

Wiring mode	Form	Order No
	Bolt interlock	
	HP10B/H-MCV-2H/1Axle pin interlock	113 610 020 8111
	HP10B/H-MCV-2T/1	113 610 040 8101



Protective cover,For lower shell(IP5X)

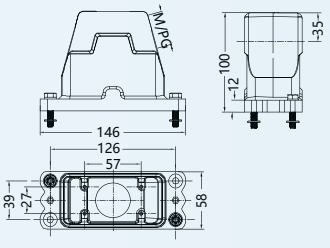
Wiring mode	Form	Order No
---	HP10B/H-CV/C	113 010 900 8001



Degree of protection： IP68/IP69K (The following enclosures comply with China's rail transit industry standards)

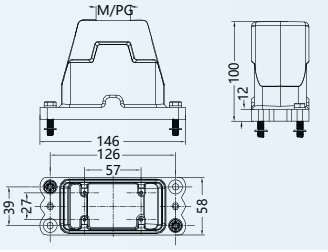
Upper shell Side outlet High structure

thread	Form	Order No
M20	HP10B/H-SH-4S-M20	113 610 530 5002
M25	HP10B/H-SH-4S-M25	113 610 530 5003
M32	HP10B/H-SH-4S-M32	113 610 530 5004
M40	HP10B/H-SH-4S-M40	113 610 530 5005
PG16	HP10B/H-SH-4S-PG16	113 610 530 5010
PG21	HP10B/H-SH-4S-PG21	113 610 530 5011



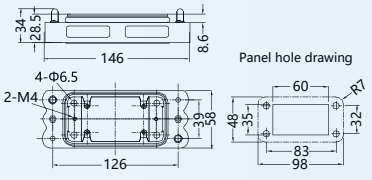
Upper shell Jacking wire High structure

thread	Form	Order No
M20	HP10B/H-TH-4S-M20	113 610 430 5002
M25	HP10B/H-TH-4S-M25	113 610 430 5003
M32	HP10B/H-TH-4S-M32	113 610 430 5004
M40	HP10B/H-TH-4S-M40	113 610 430 5005
PG16	HP10B/H-TH-4S-PG16	113 610 430 5010
PG21	HP10B/H-TH-4S-PG21	113 610 430 5011
PG29	HP10B/H-TH-4S-PG29	113 610 430 5012



Unsealed lower shell

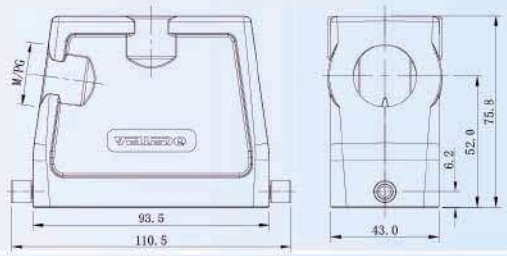
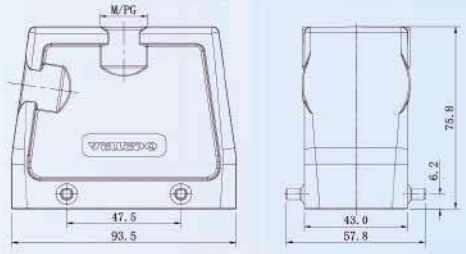
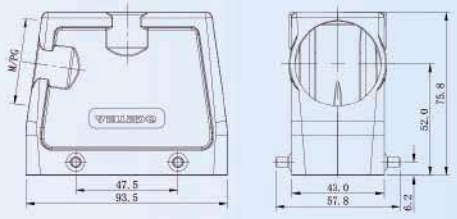
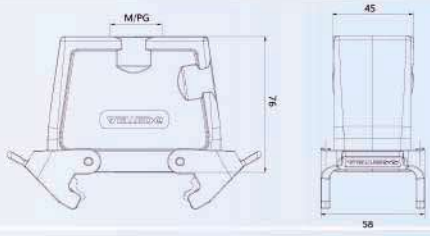
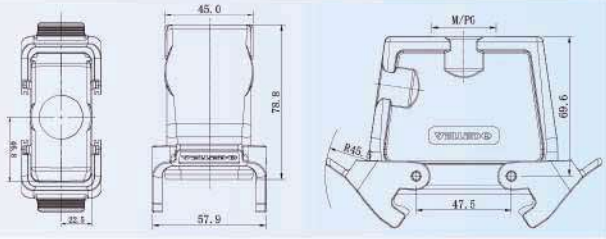
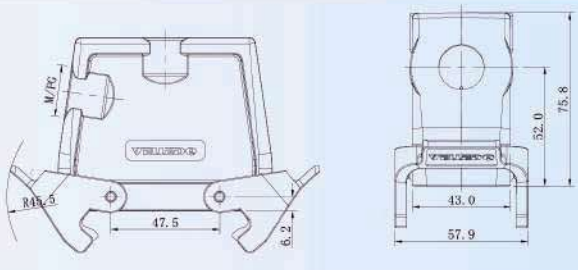
thread	Form	Order No
---	HP10B/H-BK-4H	113 610 330 1001



Heavy-Duty Connector

RSWN

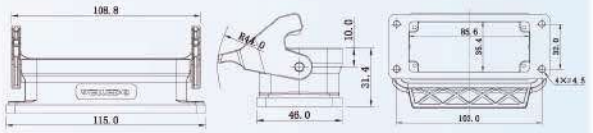
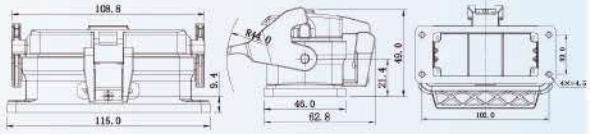
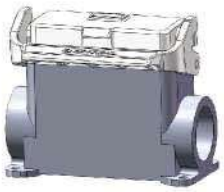
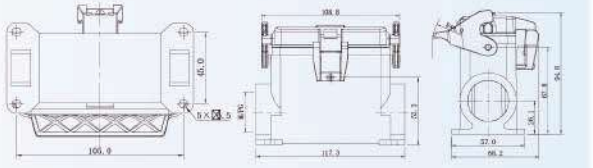
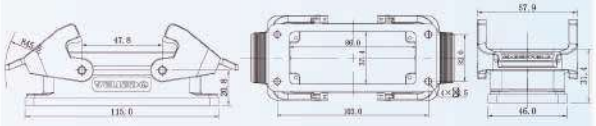
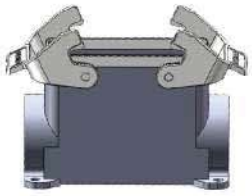
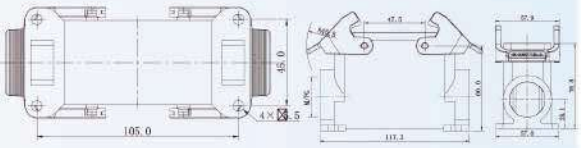
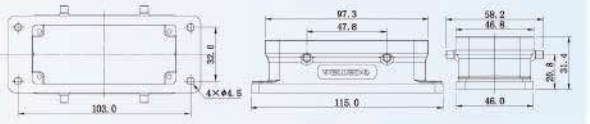
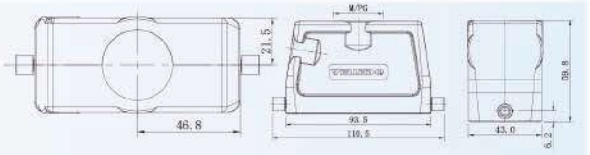
Heavy Duty Housing

Product Picture	Form	Product Size
	H16B-SH-2B-M32 H16B-SH-2B-M40 H16B-SH-2B-PG21 H16B-SH-2B-PG29	
	H16B-TH-4B-M32 H16B-TH-4B-M40 H16B-TH-4B-PG21 H16B-TH-4B-PG29	
	H16B-SH-4B-M25 H16B-SH-4B-M32 H16B-SH-4B-M40 H16B-SH-4B-PG21 H16B-SH-4B-PG29	
	H16B-TH-2L-M32 H16B-TH-2L-M40 H16B-TH-2L-PG21 H16B-TH-2L-PG29	
	H16B-CTH-2L-M25 H16B-CTH-2L-M32 H16B-CTH-2L-M40 H16B-CTH-2L-PG21 H16B-CTH-2L-PG29	
	H16B-SH-2L-M32 H16B-SH-2L-M40 H16B-SH-2L-PG21 H16B-SH-2L-PG29	

Heavy-Duty Connector

RSWN

Heavy Duty Housing

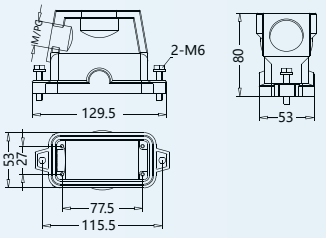
Product Picture	Form	Product Size
	H16B-K-1L	
	H16B-K-1L-CV H16B-K-1L-MCV	
	H16B-FH-1L-CV-M32 H16B-FH-1L-CV-2M32 H16B-FH-1L-CV-PG21 H16B-FH-1L-CV-2PG21 H16B-FH-1L-CV-PG29	
	H16B-K-2L	
	H16B-FH-2L-M32 H16B-FH-2L-2M32 H16B-FH-2L-PG21 H16B-FH-2L-2PG21 H16B-FH-2L-PG29 H16B-FH-2L-2PG29	
	H16B-K-4B	
	H16B-T-2B-M25 H16B-T-2B-M32 H16B-T-2B-M40 H16B-T-2B-PG21 H16B-T-2B-PG29	

Heavy-Duty Connector

16B High protective housing　Degree of protection：IP68

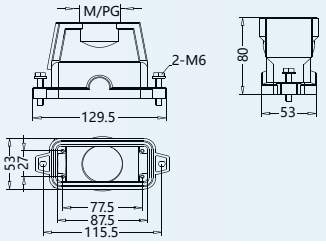
Upper shell Side outlet High structure

thread	Form	Order No
M25	HP16B-SH-2S-M25	115 016 520 5003
M32	HP16B-SH-2S-M32	115 016 520 5104
M40	HP16B-SH-2S-M40	115 016 520 5105
PG21	HP16B-SH-2S-PG21	115 016 520 5111
PG29	HP16B-SH-2S-PG29	115 016 520 5112



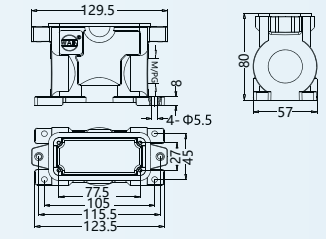
Upper shell Jacking wire High structure

thread	Form	Order No
M25	HP16B-TH-2S-M25	115 016 420 5103
M32	HP16B-TH-2S-M32	115 016 420 5104
M40	HP16B-TH-2S-M40	115 016 420 5105
M50	HP16B-TH-2S-M50	115 016 420 5106
PG21	HP16B-TH-2S-PG21	115 016 420 5111
PG29	HP16B-TH-2S-PG29	115 016 420 5112



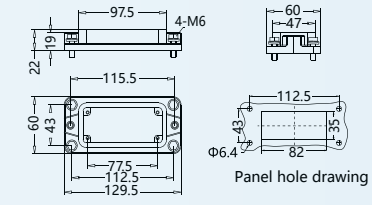
Lower shell of back cover

thread	Form	Order No
M25	HP16B-SH-2H-M25	115 016 220 5003
M32	HP16B-SH-2H-M32	115 016 220 5004
M40	HP16B-SH-2H-M40	115 016 220 5005
PG21	HP16B-SH-2H-PG21	115 016 220 5011
PG29	HP16B-SH-2H-PG29	115 016 220 5012



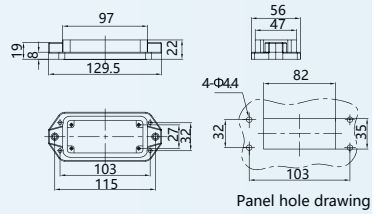
Unsealed lower shell

thread	Form	Order No
---	HP16B-BK-2H	115 016 320 1501



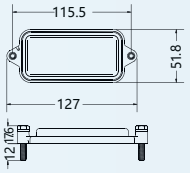
Unsealed lower shell

thread	Form	Order No
---	HP16B-BK/S-2H	115 016 320 1004



Plastic protective cover

thread	Form	Order No
---	HP16B-CV-2S/2	115 016 020 8002



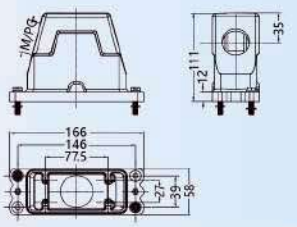
Heavy-Duty Connector

RSWN

16B High protective housing Degree of protection IP68
(The following enclosures comply with China's rail transit industry standards)

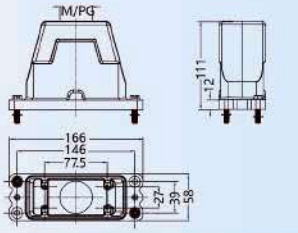
Upper shell Side outlet High structure

thread	Form	Order No
M25	HP16B/H-SH-4S-M25	113 616 530 5003
M32	HP16B/H-SH-4S-M32	113 616 530 5004
M40	HP16B/H-SH-4S-M40	113 616 530 5005
PG21	HP16B/H-SH-4S-PG21	113 616 530 5011
PG29	HP16B/H-SH-4S-PG29	113 616 530 5012



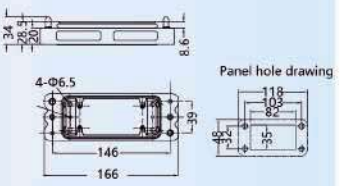
Upper shell Jacking wire High structure

thread	Form	Order No
M25	HP16B/H-TH-4S-M25	113 616 430 5003
M32	HP16B/H-TH-4S-M32	113 616 430 5004
M40	HP16B/H-TH-4S-M40	113 616 430 5005
M50	HP16B/H-TH-4S-M50	113 616 430 5006
PG21	HP16B/H-TH-4S-PG21	113 616 430 5011
PG29	HP16B/H-TH-4S-PG29	113 616 430 5012
PG36	HP16B/H-TH-4S-PG36	113 616 430 5013



Unsealed lower shell

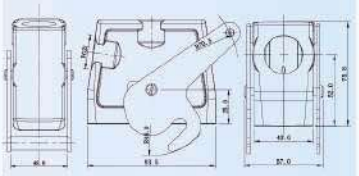
thread	Form	Order No
---	HP16B/H-BK-4H	113 616 330 1001



HV16B Metal housing Degree of protection: IP65 -Applicable to high-voltage connector (HVE series)

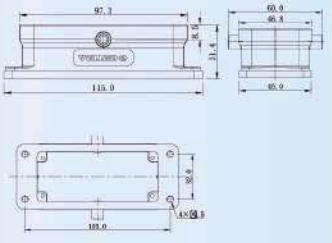
Upper shell Side outlet High structure

thread	Form	Order No
M32	WV16B-SEH-1L/C-M32	124 116 550 5001
PG21	WV16B-SEH-1L/C-PG21	124 116 550 5002
PG29	WV16B-SEH-1L/C-PG29	124 116 550 5003
M32	WV16B-SEH-1L/C-M32 WS	124 116 555 5004
PG21	WV16B-SEH-1L/C-PG21 WS	124 116 555 5011
PG29	WV16B-SEH-1L/C-PG29 WS	124 116 555 5012



Unsealed lower shell

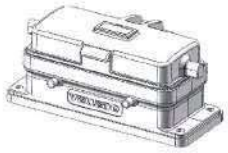
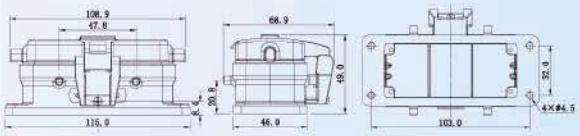
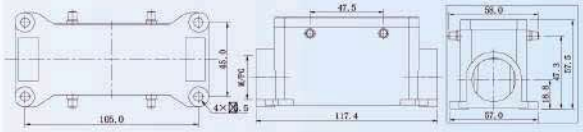
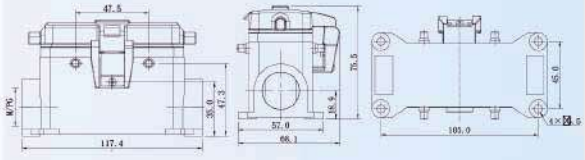
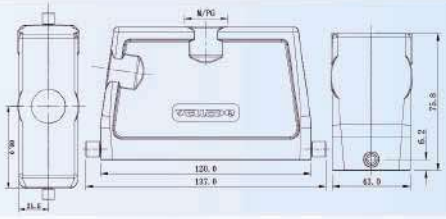
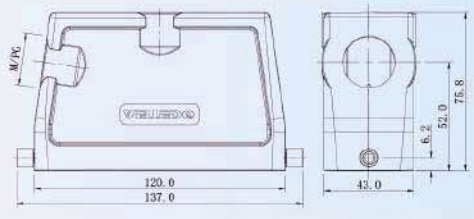
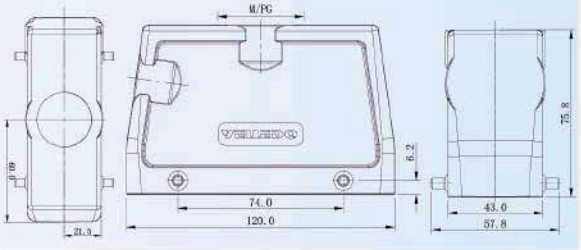
thread	Form	Order No
---	HV16B-BK-2B/C	124 016 355 1001



Heavy-Duty Connector

RSWN

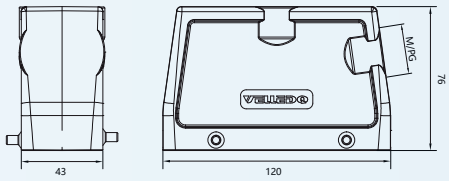
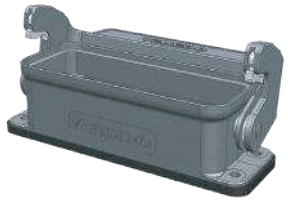
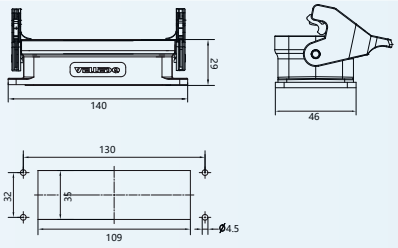
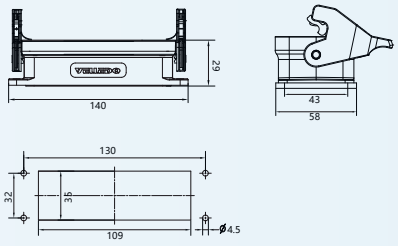
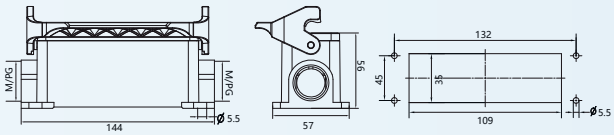
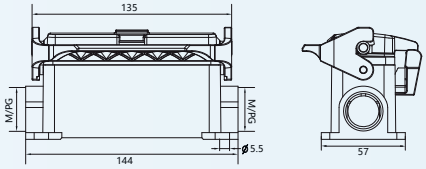
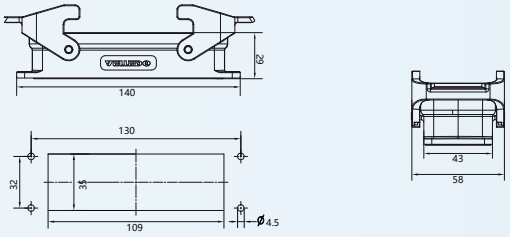
Heavy Duty Housing

Product Picture	Form	Product Size
	H16B-K-4B-CV H16B-K-4B-MCV	
	H16B-F-4B-M25 H16B-F-4B-2M25 H16B-F-4B-PG21 H16B-F-4B-2PG21	
	H16B-F-4B-CV-M25 H16B-F-4B-CV-2M25 H16B-F-4B-CV-PG21 H16B-F-4B-CV-2PG21	
	H24B-TH-2B-M25 H24B-TH-2B-M32 H24B-TH-2B-M40 H24B-TH-2B-PG21 H24B-TH-2B-PG29	
	H24B-SH-2B-M25 H24B-SH-2B-M32 H24B-SH-2B-M40 H24B-SH-2B-PG21 H24B-SH-2B-PG29	
	H24B-TH-4B-M25 H24B-TH-4B-M32 H24B-TH-4B-M40 H24B-TH-4B-PG21 H24B-TH-4B-PG29	

Heavy-Duty Connector

RSWN

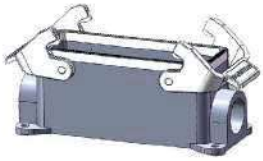
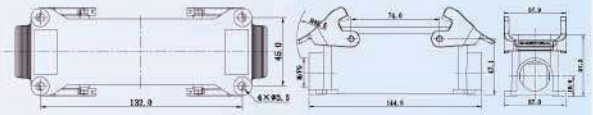
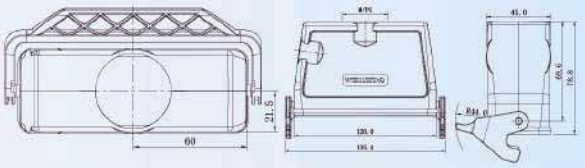
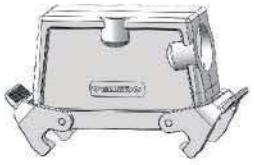
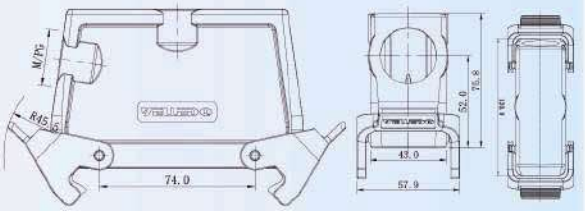
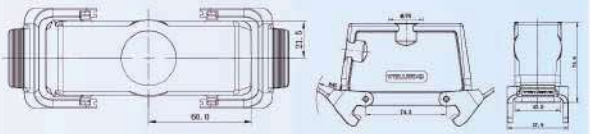
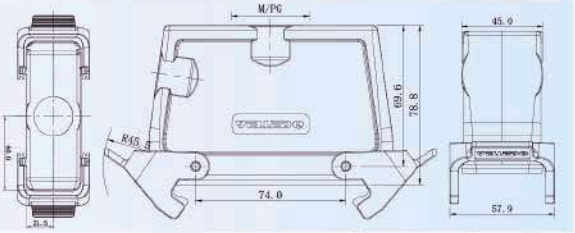
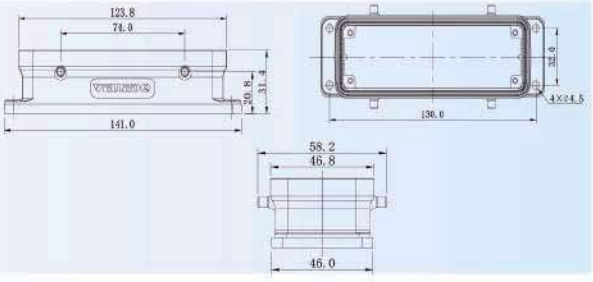
Heavy Duty Housing

Product Picture	Form	Product Size
	H24B-SH-4B-M25 H24B-SH-4B-M32 H24B-SH-4B-M40 H24B-SH-4B-PG21 H24B-SH-4B-PG29	
	H24B-K-1L	
	H24B-K-1L-CV	
	H24B-F-1L-M25 H24B-F-1L-2M25 H24B-F-1L-PG21 H24B-F-1L-2PG21	
	H24B-F-1L-CV-M25 H24B-F-1L-CV-2M25 H24B-F-1L-CV-PG21 H24B-F-1L-CV-2PG21 H24B-F-1L-MCV-M25 H24B-F-1L-MCV-2M25 H24B-F-1L-MCV-PG21 H24B-F-1L-MCV-2PG21	
	H24B-K-2L	

Heavy-Duty Connector

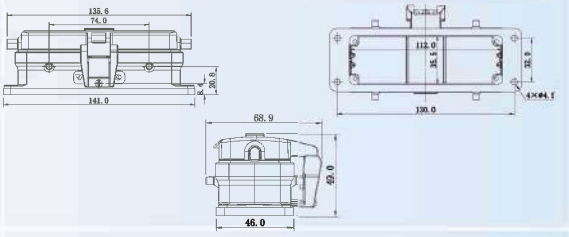
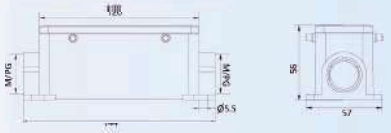
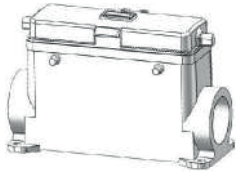
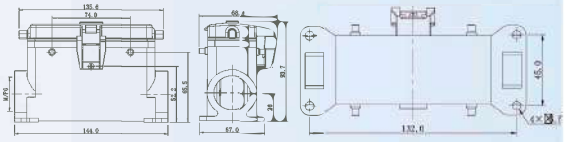
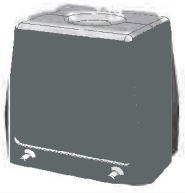
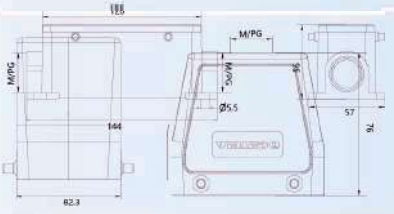
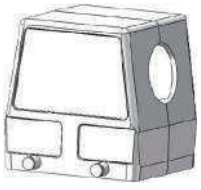
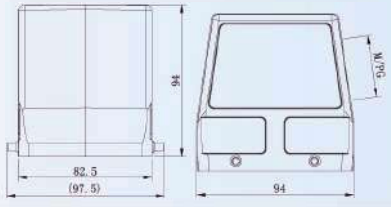
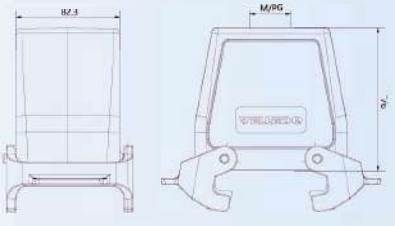
RSWN

Heavy Duty Housing

Product Picture	Form	Product Size
	H24B-F-2L-M25 H24B-F-2L-2M25 H24B-F-2L-PG21 H24B-F-2L-2PG21	
	H24B-CTH-1L-M25 H24B-CTH-1L-PG21	
	H24B-SH-2L-M25 H24B-SH-2L-M32 H24B-SH-2L-PG21	
	H24B-TH-2L-M32 H24B-TH-2L-M40 H24B-TH-2L-PG21 H24B-TH-2L-PG29	
	H24B-CTH-2L-M32 H24B-CTH-2L-M40 H24B-CTH-2L-PG21 H24B-CTH-2L-PG29	
	H24B-K-4B	

Heavy-Duty Connector

Heavy Duty Housing

Product Picture	Form	Product Size
	H24B-K-4B-CV H24B-K-4B-MCV	
	H24B-F-4B-M25 H24B-F-4B-2M25 H24B-F-4B-PG21 H24B-F-4B-2PG21	
	H24B-F-4B-CV-M25 H24B-F-4B-CV-2M25 H24B-F-4B-CV-PG21 H24B-F-4B-CV-2PG21 H24B-F-4B-MCV-M25 H24B-F-4B-MCV-2M25 H24B-F-4B-MCV-PG21 H24B-F-4B-MCV-2PG21	
	H32B-T-4B-M32 H32B-T-4B-M40 H32B-T-4B-M50 H32B-T-4B-PG29 H32B-T-4B-PG36 H32B-T-4B-PG42	
	H32B-S-4B-M32 H32B-S-4B-M40 H32B-S-4B-M50 H32B-S-4B-PG29 H32B-S-4B-PG36 H32B-S-4B-PG42	
	H32B-TH-2L-M32 H32B-TH-2L-M40 H32B-TH-2L-M50 H32B-TH-2L-PG29 H32B-TH-2L-PG36 H32B-TH-2L-PG42	

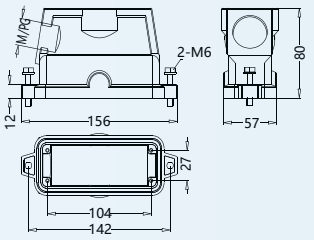
Heavy-Duty Connector

RSWN

24B High protective housing Degree of protection：IP68/IP69K

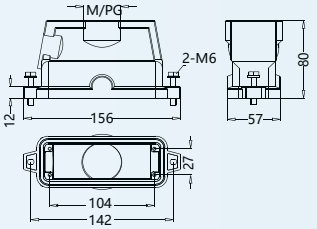
Upper shell Side outlet High structure

thread	Form	Order No
M25	HP24B-SH-2S-M25	115 024 520 5103
M32	HP24B-SH-2S-M32	115 024 520 5104
M40	HP24B-SH-2S-M40	115 024 520 5105
PG21	HP24B-SH-2S-PG21	115 024 520 5111
PG29	HP24B-SH-2S-PG29	115 024 520 5112



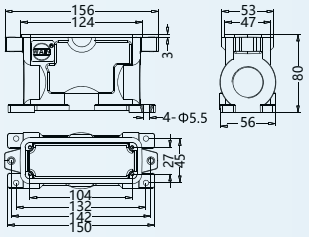
Upper shell Jacking wire High structure

thread	Form	Order No
M25	HP24B-TH-2S-M25	115 024 420 5103
M32	HP24B-TH-2S-M32	115 024 420 5104
M40	HP24B-TH-2S-M40	115 024 420 5105
M50	HP24B-TH-2S-M50	115 024 420 5106
PG21	HP24B-TH-2S-PG21	115 024 420 5111
PG29	HP24B-TH-2S-PG29	115 024 420 5112
PG36	HP24B-TH-2S-PG36	115 024 420 5113



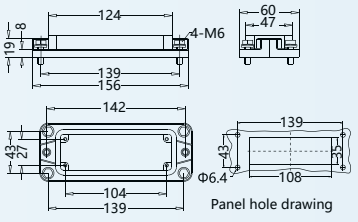
Lower shell of back cover High structure

thread	Form	Order No
M25	HP24B-SH-2H-M25	115 024 220 5003
M32	HP24B-SH-2H-M32	115 024 220 5004
M40	HP24B-SH-2H-M40	115 024 220 5005
PG21	HP24B-SH-2H-PG21	115 024 220 5011
PG29	HP24B-SH-2H-PG29	115 024 220 5012



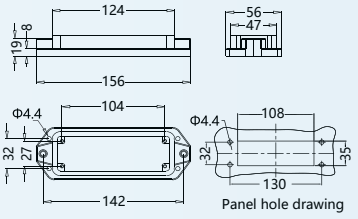
Unsealed lower shell

thread	Form	Order No
---	HP24B-BK-2H	115 024 320 1001



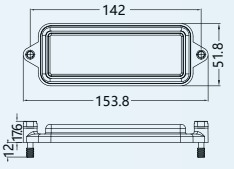
Unsealed lower shell

thread	Form	Order No
---	HP24B-BK/S-2H	115 024 320 1101



Plastic protective cover

Wiring mode	Form	Order No
---	HP24B-CV-2S/2	115 024 020 8002



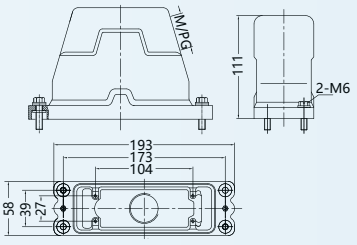
Heavy-Duty Connector

RSWN

24B High protective housing Protection grade: IP68
(The following enclosures comply with China's rail transit industry standards)

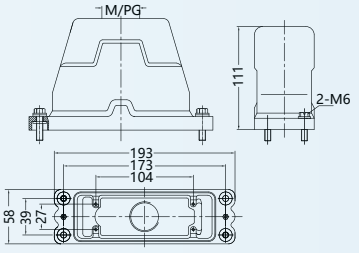
Upper shell Side outlet High structure

thread	Form	Order No
M25	HP24B/H-SH-4S-M25	113 624 530 5003
M32	HP24B/H-SH-4S-M32	113 624 530 5004
M40	HP24B/H-SH-4S-M40	113 624 530 5005
PG21	HP24B/H-SH-4S-PG21	113 624 530 5011
PG29	HP24B/H-SH-4S-PG29	113 624 530 5012



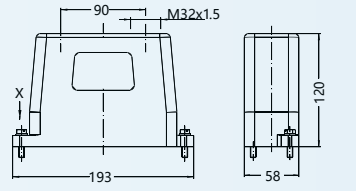
Upper shell Jacking wire High structure

thread	Form	Order No
M25	HP24B/H-TH-4S-M25	113 624 430 5003
M32	HP24B/H-TH-4S-M32	113 624 430 5004
M40	HP24B/H-TH-4S-M40	113 624 430 5005
M50	HP24B/H-TH-4S-M50	113 624 430 5006
PG21	HP24B/H-TH-4S-PG21	113 624 430 5011
PG29	HP24B/H-TH-4S-PG29	113 624 430 5012
PG36	HP24B/H-TH-4S-PG36	113 624 430 5013



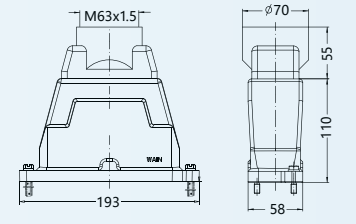
Upper shell Jacking wire High structure

thread	Form	Order No
3M32	HP24B/H-TH-4S-3M32	113 624 430 5037



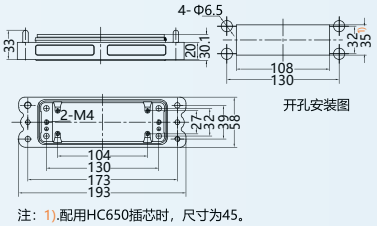
Upper shell Jacking wire High structure

thread	Form	Order No
M63	HP24B/H-TH-4S-M63	113 624 430 5007



Unsealed lower shell

thread	Form	Order No
---	HP24B/H-BK-4H	113 624 330 1001



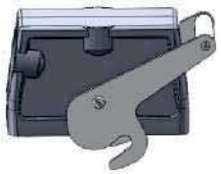
注：1).配用HC650插芯时，尺寸为45。

Heavy-Duty Connector

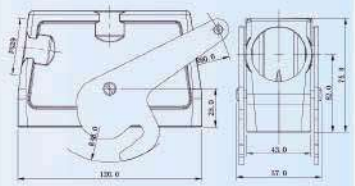
RSWN

24B Metal housing Degree of protection: IP67 -Applicable to high-voltage connector (HVE series)

Upper shell Side outlet High structure

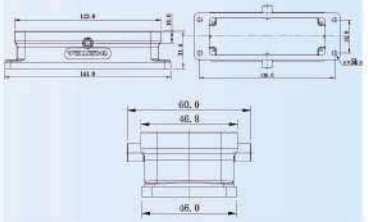


thread	Form	Order No
M32	WV24B-SH-1L/C-M32	124 124 550 5001
PG29	WV24B-SH-1L/C-PG29	124 124 550 5002
M32	WV24B-SH-1L/C-M32 WS	124 124 555 5004
PG21	WV24B-SH-1L/C-PG21 WS	124 124 550 5003
PG29	WV24B-SH-1L/C-PG29 WS	124 124 555 5012



Unsealed lower shell

thread	Form	Order No
---	WV24B-BK-2B/C	124 124 350 1101

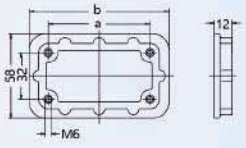


Fixed frame

Mounting frame

for H version

Specifications	Form	Order No
6B	HP6B-MF	113 006 000 1091
10B	HP10B-MF	113 010 000 1091
16B	HP16B-MF	113 016 000 1091
24B	HP24B-MF	113 024 000 1091



Specifications	a	b
6B	70	96
10B	83	109
16B	103	129
24B	130	156

Butt joint frame

Specifications	Form	Order No
6B	H6B-ADK	198 002 004 0001
10B	H10B-ADK	198 002 004 0002
16B	H16B-ADK	198 002 004 0003
24B	H24B-ADK	198 002 004 0005

technical parameter

Material Science

-Butt joint frame stainless steel

-Fixing bolt Iron, galvanized

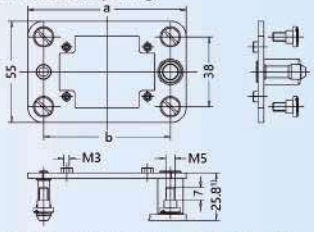
Fixing bolt

-x-axis ±1.5mm

-y-axis ±1.5mm

Unplug times ≥500

Installation opening



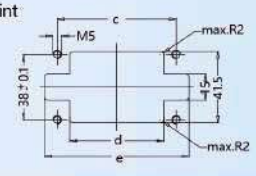
Products include

1 shelf

1)The maximum distance from electrical pin and optical cable pin is 27mm Maximum distance of pneumatic needle 26.5mm

4 bolts with flat head for fixing the butt joint

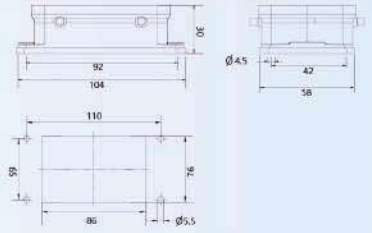
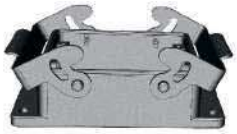
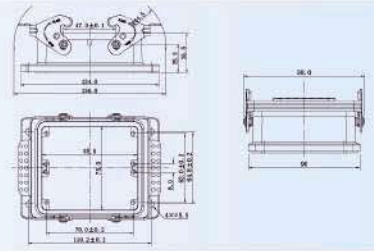
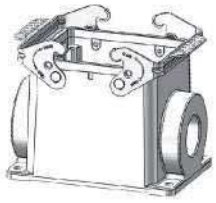
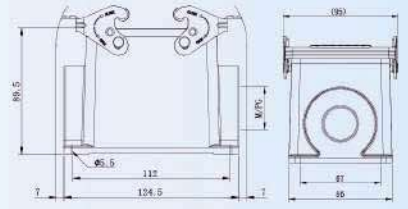
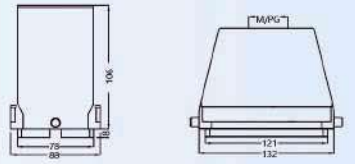
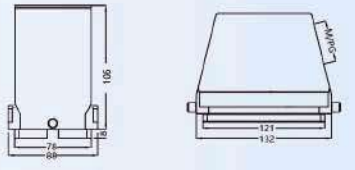
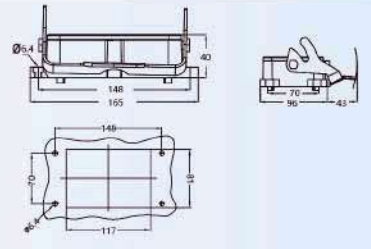
Specifications	a	b	c	d	e
6B	86	69	69	54.5	84
10B	99	82	82	67.5	97
16B	119.5	102.5	102.5	88	117.5
24B	146	129	129	114.5	144



Heavy-Duty Connector

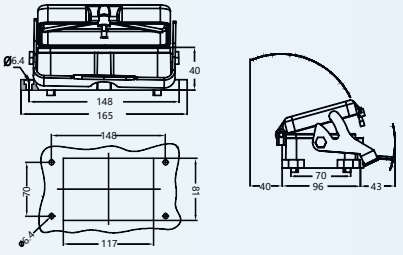
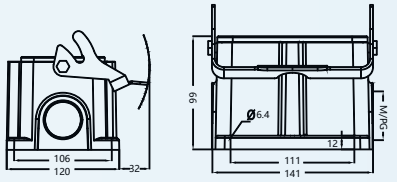
RSWN

Heavy Duty Housing

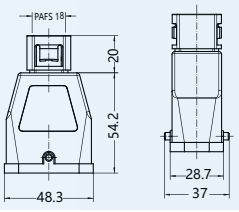
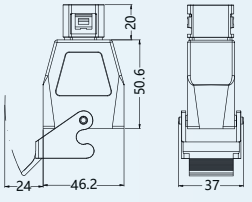
Product Picture	Form	Product Size
	H32B-K-4B	
	H32B-K-2L	
	H32B-F-2L-M32 H32B-F-2L-2M32 H32B-F-2L-2M40 H32B-F-2L-PG29 H32B-F-2L-2PG29 H32B-F-2L-PG36 H32B-F-2L-2PG36	
	H48B-T-2B-M32 H48B-T-2B-M40 H48B-T-2B-M50 H48B-T-2B-PG29 H48B-T-2B-PG36 H48B-T-2B-PG42	
	H48B-S-2B-M32 H48B-S-2B-M40 H48B-S-2B-M50 H48B-S-2B-PG29 H48B-S-2B-PG36 H48B-S-2B-PG42	
	H48B-K-1L	

Heavy-Duty Connector

Heavy Duty Housing

Product Picture	Form	Product Size
	H48B-K-1L-CV H48B-K-1L-MCV	
	H48B-F-1L-M32 H48B-F-1L-2M32 H48B-F-1L-M40 H48B-F-1L-2M40 H48B-F-1L-PG29 H48B-F-1L-2PG29 H48B-F-1L-PG36 H48B-F-1L-2PG36 H48B-F-1L-CV-M32 H48B-F-1L-CV-2M32 H48B-F-1L-CV-M40 H48B-F-1L-CV-2M40 H48B-F-1L-CV-PG29 H48B-F-1L-CV-2PG29 H48B-F-1L-CV-PG36 H48B-F-1L-CV-2PG36	

HC Plastic shell

	thread	Form	Order No	
Upper shell Jacking wire 	PAFS18	HC.P-TE-2B-PAFS18	130 008 410 1091	
Lower shell of flying wire 	PAFS18	HC.P-CCT-1L-PAFS18	130 008 727 1001	

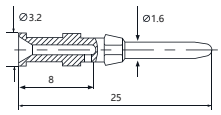
Heavy-Duty Connector

10A Technical parameters of cold pressed contact pin

Contacts resistance: ≤3mΩ

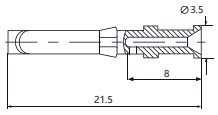
Material:copper Terminal:crimp connection

Wire gauge	Stripping length		Contacts,Silver-plated	Contacts,Gold-plated
0.5mm²	AWG 20	8.0mm	CDSM-0.5	CDGM-0.5
0.75mm²	AWG 18	8.0mm	CDSM-0.75	CDGM-0.75
1.0mm²	AWG 18	8.0mm	CDSM-1.0	CDGM-1.0
1.5mm²	AWG 16	8.0mm	CDSM-1.5	CDGM-1.5
2.5mm²	AWG 14	8.0mm	CDSM-2.5	CDGM-2.5



Male crimp contacts

Wire gauge	Stripping length		Contacts,Silver-plated	Contacts,Gold-plated
0.5mm²	AWG 20	8.0mm	CDSF-0.5	CDGF-0.5
0.75mm²	AWG 18	8.0mm	CDSF-0.75	CDGF-0.75
1.0mm²	AWG 18	8.0mm	CDSF-1.0	CDGF-1.0
1.5mm²	AWG 16	8.0mm	CDSF-1.5	CDGF-1.5
2.5mm²	AWG 14	8.0mm	CDSF-2.5	CDGF-2.5



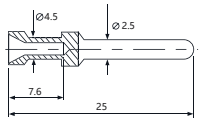
Female crimp contacts

16A Technical parameters of cold pressed contact pin

Contacts resistance: ≤1mΩ

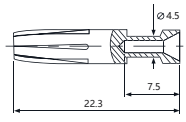
Material:copper Terminal:crimp connection

Wire gauge	Stripping length		Contacts,Silver-plated	Contacts,Gold-plated
0.5mm²	AWG 20	7.5mm	CESM-0.5	CEGM-0.5
0.75mm²	AWG 18	7.5mm	CESM-0.75	CEGM-0.75
1.0mm²	AWG 18	7.5mm	CESM-1.0	CEGM-1.0
1.5mm²	AWG 16	7.5mm	CESM-1.5	CEGM-1.5
2.5mm²	AWG 14	7.5mm	CESM-2.5	CEGM-2.5
4.0mm²	AWG 12	7.5mm	CESM-4.0	CEGM-4.0



Male crimp contacts

Wire gauge	Stripping length		Contacts,Silver-plated	Contacts,Gold-plated
0.5mm²	AWG 20	7.5mm	CESF-0.5	CEGF-0.5
0.75mm²	AWG 18	7.5mm	CESF-0.75	CEGF-0.75
1.0mm²	AWG 18	7.5mm	CESF-1.0	CEGF-1.0
1.5mm²	AWG 16	7.5mm	CESF-1.5	CEGF-1.5
2.5mm²	AWG 14	7.5mm	CESF-2.5	CEGF-2.5
4.0mm²	AWG 12	7.5mm	CESF-4.0	CEGF-4.0



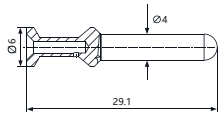
Female crimp contacts

40A Technical parameters of cold pressed contact pin

Contacts resistance: ≤4mΩ

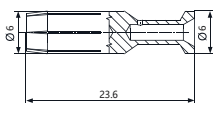
Material:copper Terminal:crimp connection

Wire gauge	Stripping length		Contacts,Silver-plated	Contacts,Gold-plated
1.75mm²	AWG 16	8.0mm	CMSM-1.5	CMGM-1.5
2.25mm²	AWG 14	8.0mm	CMSM-2.5	CMGM-2.5
2.85mm²	AWG 12	8.0mm	CMSM-4.0	CMGM-4.0
3.50mm²	AWG 10	8.0mm	CMSM-6.0	CMGM-6.0



Male crimp contacts

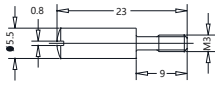
Wire gauge	Stripping length		Contacts,Silver-plated	Contacts,Gold-plated
1.75mm²	AWG 16	8.0mm	CMSF-1.5	CMGF-1.5
2.25mm²	AWG 14	8.0mm	CMSF-2.5	CMGF-2.5
2.85mm²	AWG 12	8.0mm	CMSF-4.0	CMGF-4.0
3.50mm²	AWG 10	8.0mm	CMSF-6.0	CMGF-6.0



Female crimp contacts

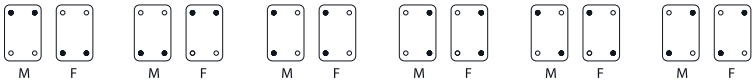
Heavy-Duty Connector

Code pin

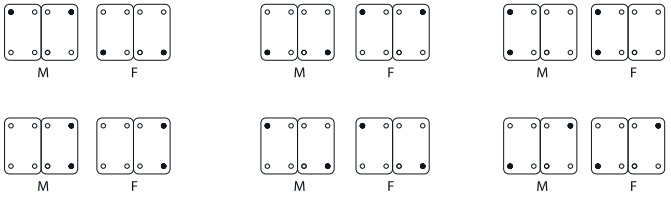


type
CODE-M3

For hoods/housing with one inserts/one frames



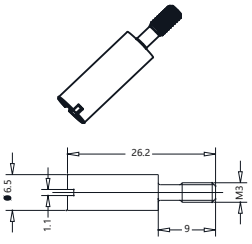
For hoods/housing with two inserts/two frames



●Code pins
○ normal mounting screw

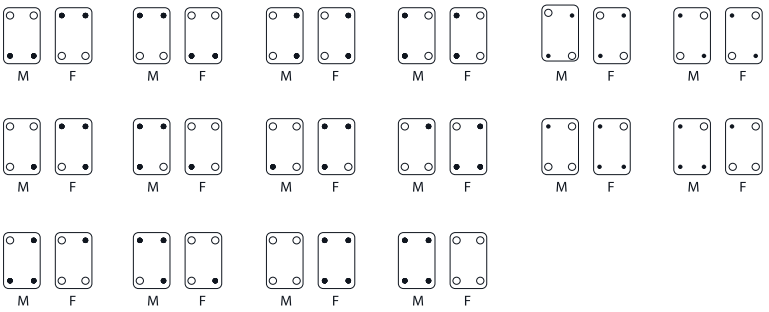
Male connecter
Female connecter

Guide bush

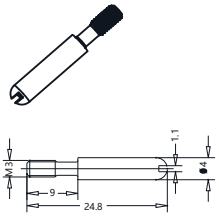


type
GBUSH-M3

For hoods/housing with one inserts/one frames

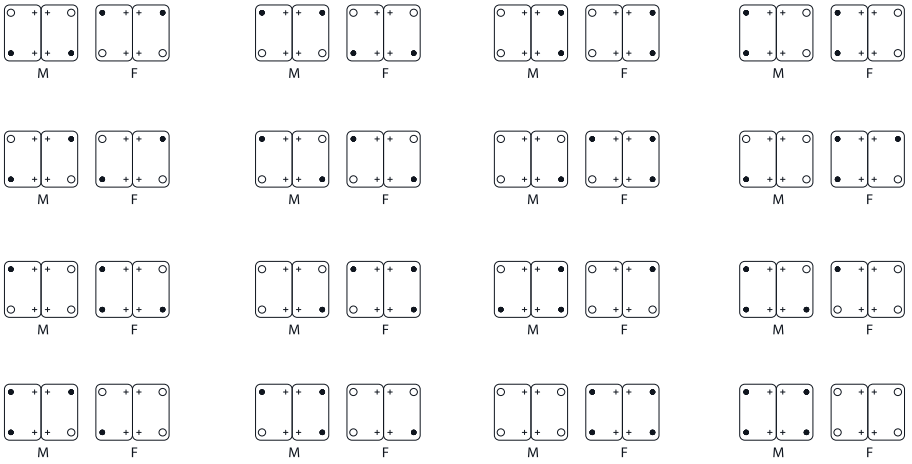


Guide pin



type
GPIN-M3

For hoods/housing with two inserts/two frames

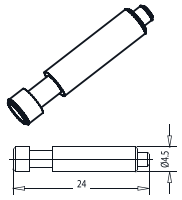


○Guide bush
●Guide pin
+ Normal mounting screw

Male connecter
Female connecter

Heavy-Duty Connector

Code pin



① use of the coding pin prevents incorrect mating to other connecters of the same type

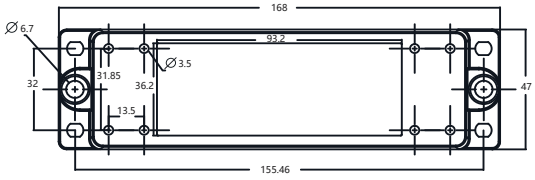
② For HEC,HEE,HQ 5/0,HM-006,HM-008

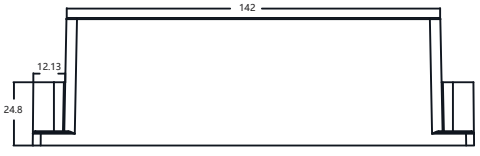
③ The male pin should be omitted from the opposing cavity in the male insert.

type

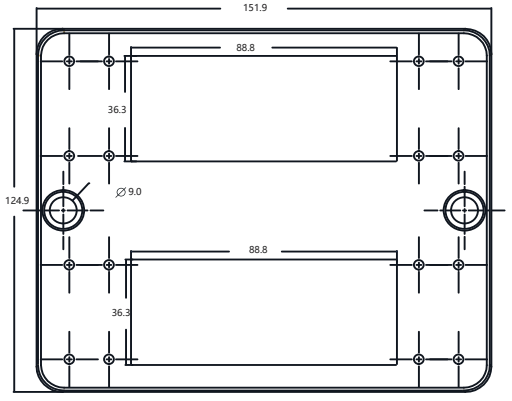
CODE-E

Terminal box





type				
WL-16/24-1T(blue)	5	101	69	101
WL-16/24-2T(blue)	5	102	70	102
WL-16/24-1T(grey)	5	201	69	103
WL-16/24-2T(grey)	5	202	70	104
WL-16/24-1T(orange)	5	301	69	105
WL-16/24-2T(orange)	5	302	70	106
WL-16/24-1T(black)	5	401	69	107
WL-16/24-2T(black)	5	402	70	108



Tools

HD needle extractor

TL00				

HD Needle extractor
Removal tool for
crimp contacts(HD,HDD,HM)

HEE needle extractor

TL01				

HEE Needle extractor
Removal tool for
crimp contacts(HEC,HEE,HM)

HMK Module needle extractor

TL06				

HM Module Needle extractor
Removal tool for
crimp contacts(HMK Module)

HM Module needle extractor

TL08				

HM Module Needle extractor
Removal tool for
crimp contacts(HMDSModule，D-SUB)

Heavy-Duty Connector

Crimping Tool

5A Cold press pliers

Crimping wire diameter	Form	Order No
0.09-0.82mm²	TL03	198 001 001 0002

10A/16A Cold press pliers

Crimping wire diameter	Form	Order No
0.14-4mm²	TL02	198 001 001 0001
1.5-6mm²	TL02-0	198 001 001 0006

10A/16A/40A Cold press pliers

Crimping wire diameter	Form	Order No
0.14-4mm²	TL02G	198 001 001 0011
1.5-6mm²	TL02-0G	198 001 001 0012
4/6/10mm²	TL02-3G	198 001 001 0013

The specification of 0.37mm for 16A plug cannot be crimped

10A/16A/40A Cold clamp with digital display

Crimping wire diameter	Form	Order No
0.14-6mm²	TL02-2G	198 001 001 0014

100A-650A High current manual hydraulic tong

describe	Crimping wire diameter	Form	Order No
Output: automatic pressure relief output: 13T weight: 6.2kg	10-240mm²	TL05	198 001 001 0005

100A-650A Large current electric hydraulic tong

Crimping wire diameter	Form	Order No
10-240mm²	TL05-EA	198 001 001 0020

100A-650A High current manual hydraulic tong

Crimping wire diameter	Form	Order No
10-240mm²	TL05G	198 001 001 0019

100A-650A Large current electric hydraulic tong

Crimping wire diameter	Form	Order No
10-240mm²	TL05G-EA	198 001 001 0021