

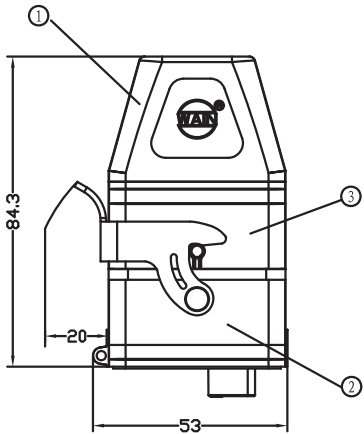


Flexible and combined connector

Metal enclosure for single module

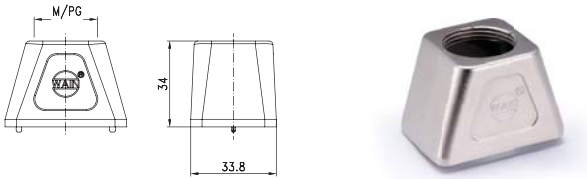
This enclosure is applicable to only one module connection.
It is enclosure with EMC screening and protection level IP65.

- 1、Upper enclosure with outgoing hole on the top
- 2、Lower enclosure with stainless steel lock hole
- 3、Enclosure for intermediate carrier



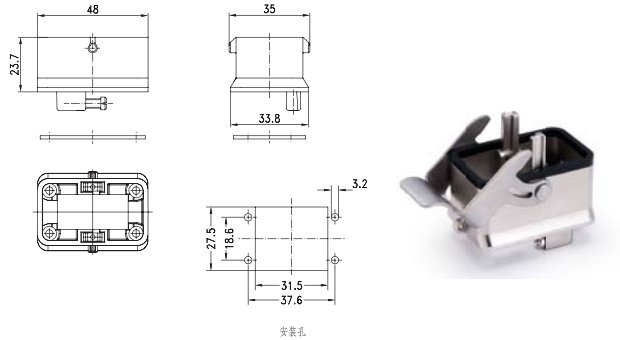
Hood

Thread	Order No.	
	Without cover	With plastic Cover ¹⁾
M25	H1M-TE-M25	



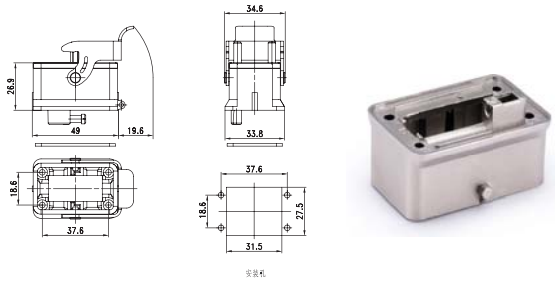
Hood

Thread	Order No.	
	Without cover	With plastic Cover ¹⁾
M25	H1M-MBK-2B	

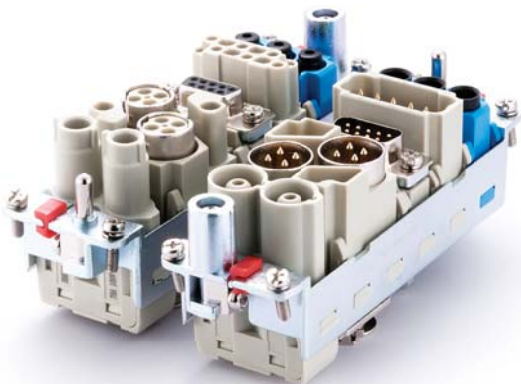
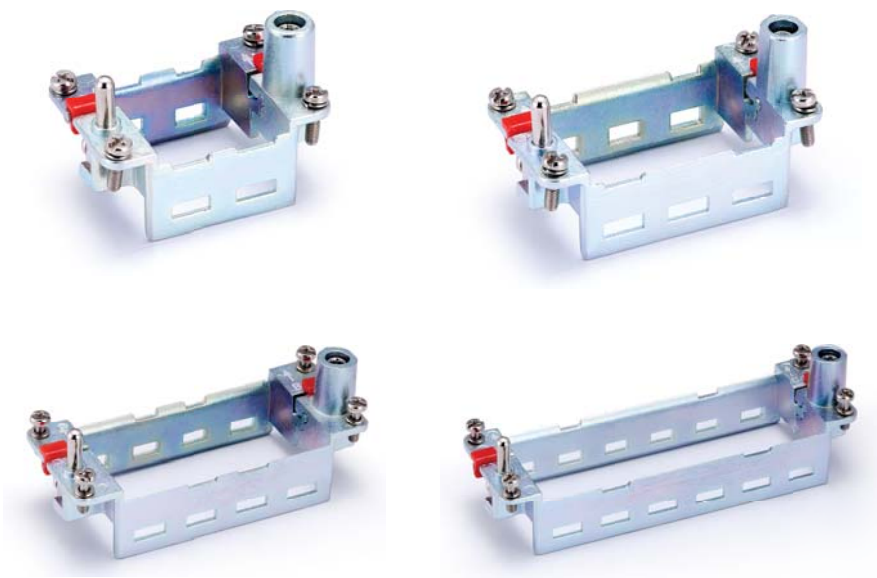


Hood

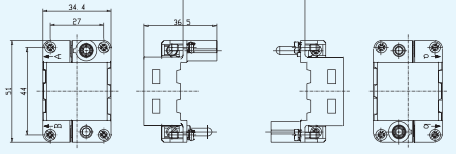
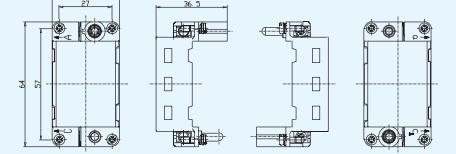
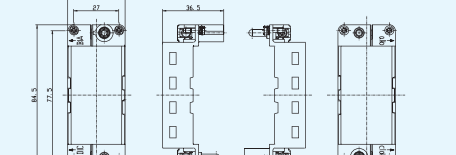
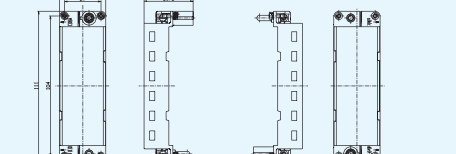
Thread	Order No.	
	Without cover	With plastic Cover ¹⁾
M25	H1M-BK	



Hinged frames



Number of modules	2, 3, 4, 6
PE contact	
---- Power side	4-6 mm ² (10 mm ²) AWG 12-10 (AWG 8)
---- signal side	1-2.5 mm ² AWG 18-14
Material	zinc die-cast
Temperature range	-40°C..+125° C
Mechanical working life (mating cycles)	≥ 500

Hinged frames	SIZE	Marking A...F	Marking a...f	Dimension
for 2 modules 	6B	HF6B-UA	HF6B-LA	 Suitable for all hoods/housing s of size 6B
for 3 modules 	10B	HF10B-UA	HF10B-LA	 Suitable for all hoods/housings of size 10B
for 4 modules 	16B	HF16B-UA	HF16B-LA	 Suitable for all hoods/housings of size 16B
for 6 modules 	24B	HF24B-UA	HF24B-LA	 Suitable for all hoods/housings of size 24B
Locking element for hinged frames 	---	HF-LE	---	

Module Accessories

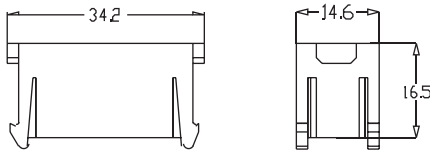
Hinged
frames

B

Dummy module



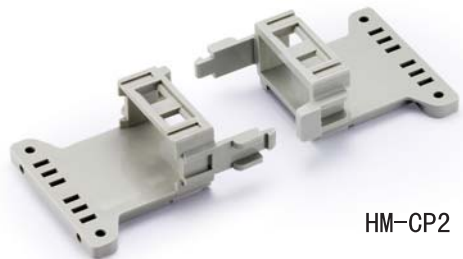
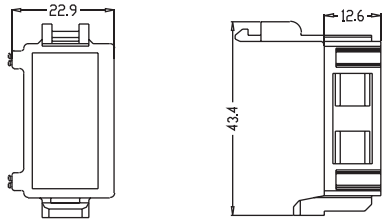
HM-000



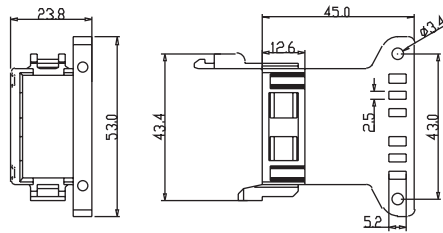
Module clamp



HM-CP1



HM-CP2

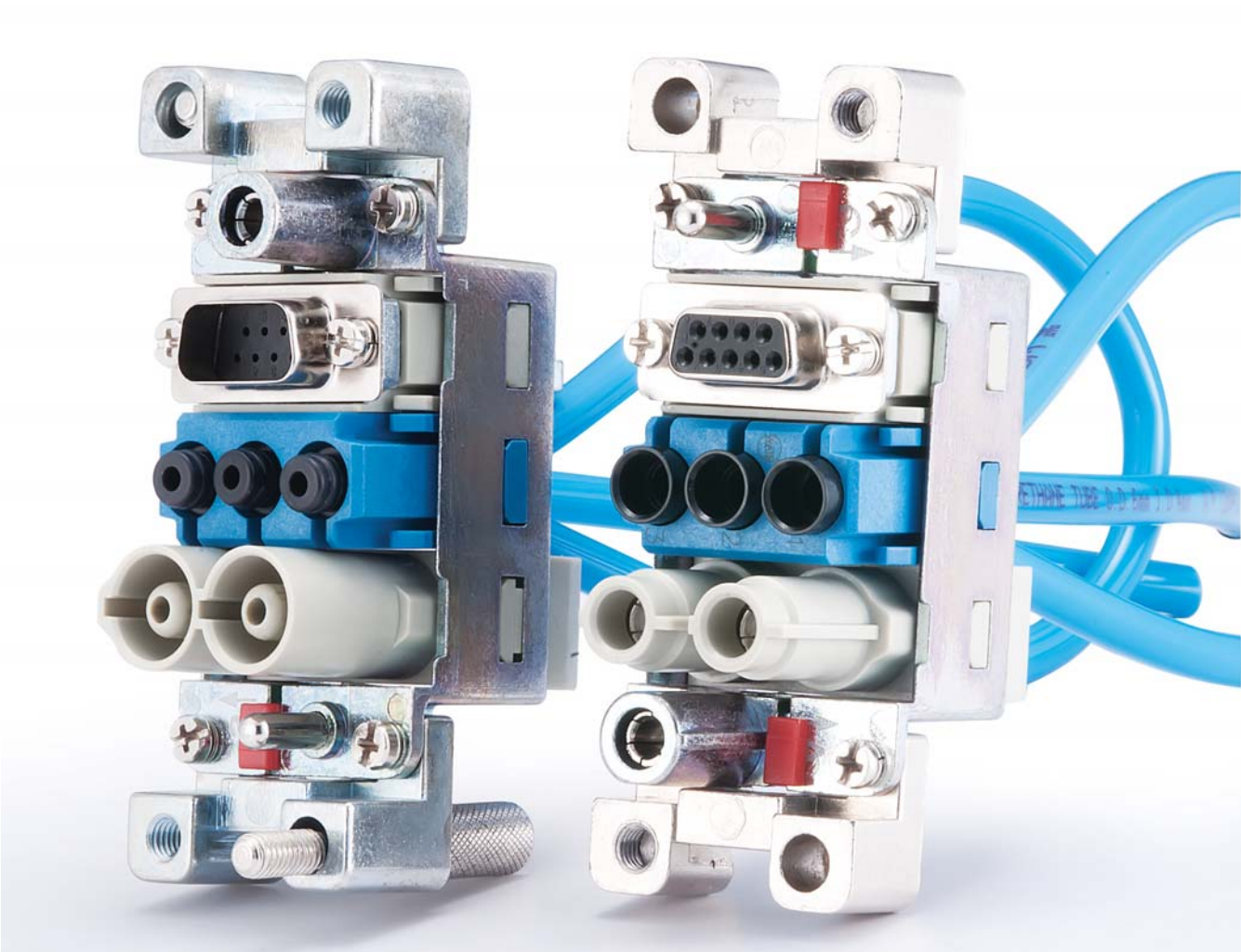
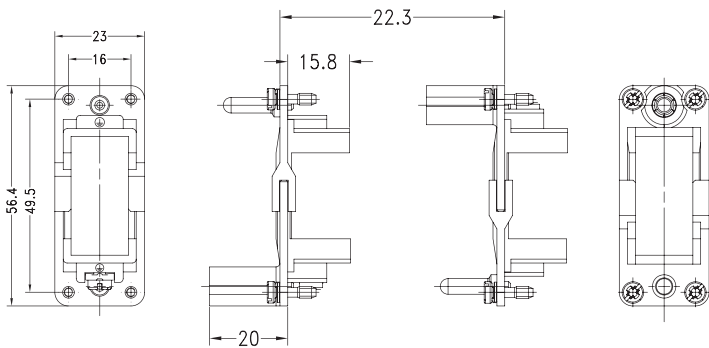


Hinged Frames



In housing H10A

HF10A



Hinged
frames

B

1000V 200A

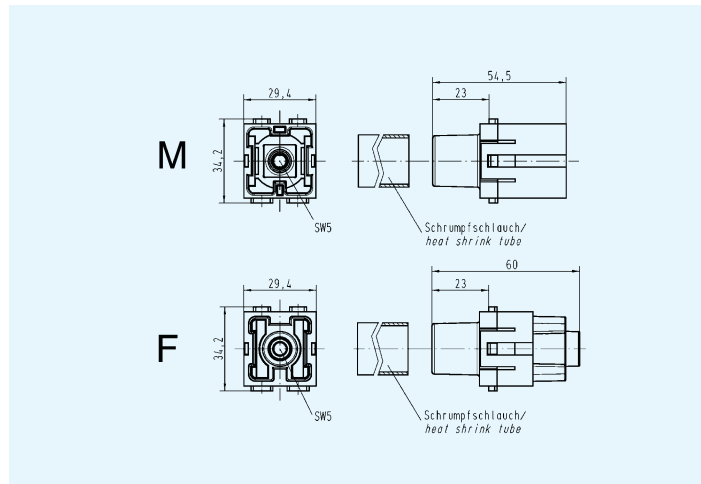
Insert

Axial Screw terminal



H2MK-001.1-M
H2MK-001.2-M

H2MK-001.1-F (25-40mm²)
H2MK-001.2-F (40-70mm²)



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN EN 60 664-1
DIN EN 61 984

Approvals



Inserts

Number of contacts	1
Electrical data acc. to EN 61 984	200 A 1000 V 8 kV 3
Rated current	
Rated voltage	
Rated impulse voltage	
Pollution degree	
Rated voltage acc. to UL	600 V
Insulation resistance	$\geq 10^{10} \Omega$
Material	PC
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life - mating cycles	≥ 500

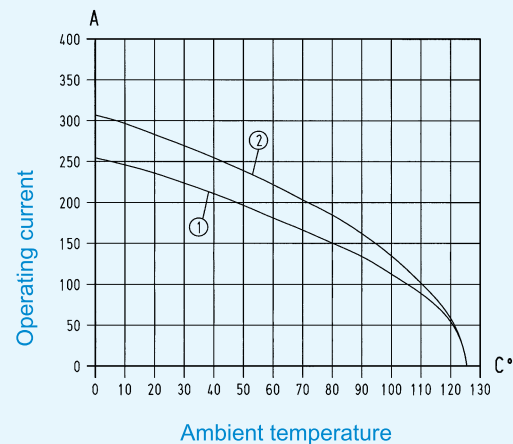
Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μ m Ag
Contact resistance	0.2 m Ω
Screw terminal	
- Wire gauge 1)	25 ... 70 mm ²
- AWG	2 ... 00
- Hexagonal driver	SW 5
- Stripping length	16 mm
- Tightening torque	

mm ²	25	35	50	70
Nm	8	8	9	10

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



① 24 B hoods/housings with 3 modules;
wire gauge: 50 mm²

② 24 B hoods/housings with 3 modules;
wire gauge: 70 mm²

Hex key SW-5x150
for axial setscrew

with grip



SW-5x150

1000V 100A

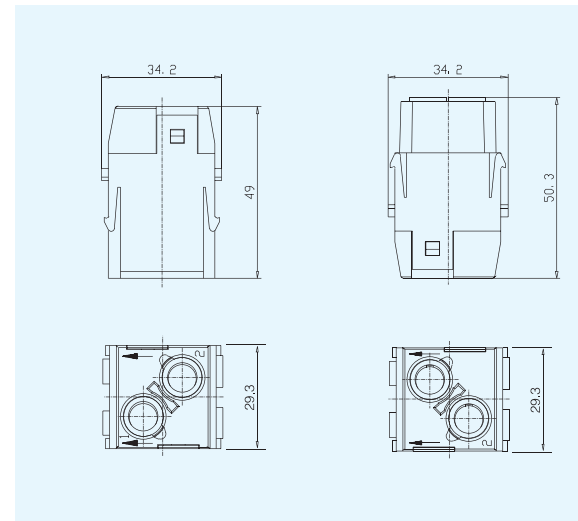
Insert

Axial Screw terminal



H2MK-002.1-M
H2MK-002.2-M

H2MK-002.1-F (10-25mm²)
H2MK-002.2-F (16-35 mm²)



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN VDE 0110
DIN EN 61984

Inserts

Number of contacts	2
Electrical data acc. to EN 61984	100A 1000V 8kV 3
- working current	
- working voltage	
- Rated impulse voltage	
- Pollution degree	
Pollution degree 2	100A 1600V 12kV 2
Insulation resistance	$\geq 10^{10} \Omega$
Material	PC
Temperature range	-40°C...+125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥ 500

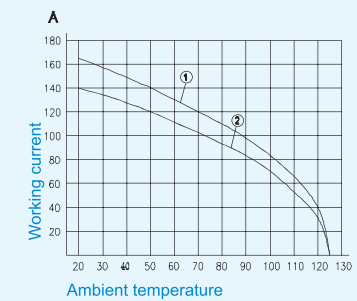
Contacts

Material	铜合金/Copper alloy
Surface	镀银/silver plated
Contact resistance	$\leq 0.3m \Omega$
Axial Screw terminal	
-mm ²	10-35mm ²
-AWG	6-2
-Hexagonal driver	SW 4
-stripping length	13mm
-Tightening torque	

mm ²	10	16	25	35
N.m	6	6	7	8

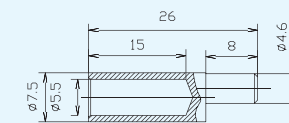
Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



① 24B hoods/housings with 3 modules, wire gauge: 35mm²
② 24B hoods/housings with 3 modules, wire gauge: 25mm²

Cable shoe

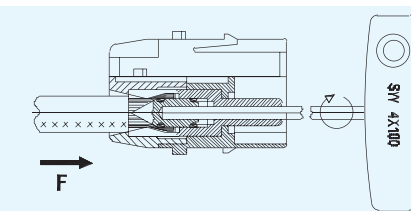


Order No. : PE-E16

allen driver



Order No. : SW-4X100



1000V 100A

Insert

Crimp terminal

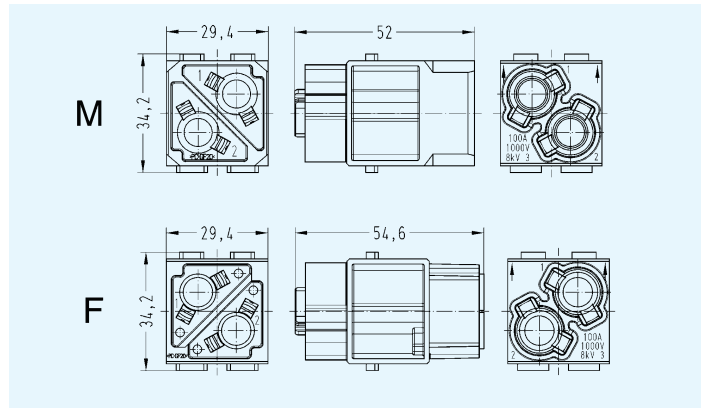


H2MK-002-MC

H2MK-002-FC



*Crimp terminal should order contacts pins separately, detail please find the page 15-01.



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN EN 60664-1
DIN EN 61984

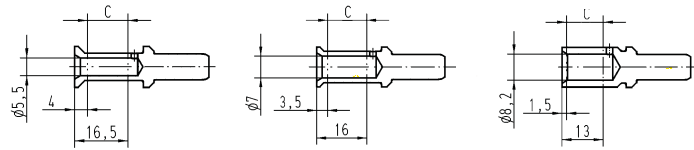
Inserts

Number of contacts	2
Electrical data acc. to EN 61 984	100 A 1000 V 8 kV 3
Rated current	
Rated voltage	
Rated impulse voltage	
Pollution degree	
Pollution degree 2 also	100 A 1600 V 12 kV 2
Insulation resistance	$\geq 10^{10}\Omega$
Material	PC
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μ m Ag
Contact resistance	≤ 0.3 m Ω
Crimp terminal	
- mm ²	16 ... 35 mm ²
Max. cable diameter	14 mm

Crimp zone (C)



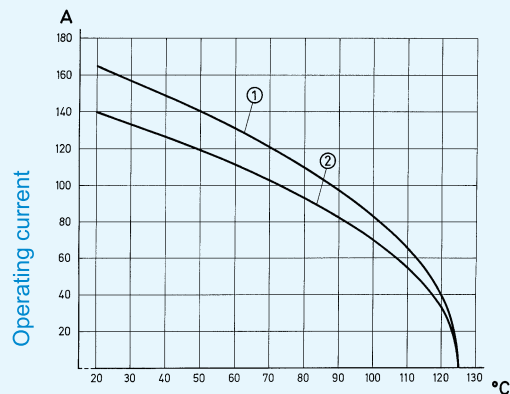
CKSM-16

CKSM-25

CKSM-35

Current carrying capacity

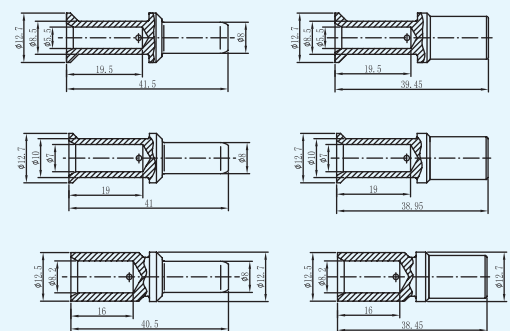
the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



Ambient temperature

① 24 B hoods/housings with 3 modules;
wire gauge: 35 mm²

② 24 B hoods/housings with 3 modules;
wire gauge: 25 mm²



Wire gauge	Ø	Stripping length
16 mm ²	5.5	19 mm
25 mm ²	7	19 mm
35 mm ²	8.2	16 mm

for stranded wire according to IEC 60 228 Class 5

1000V 70A

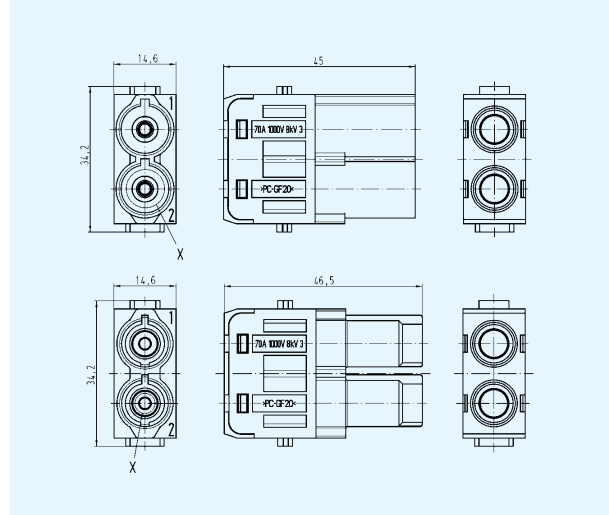
Insert

Axial Screw terminal



HMK70-002.1-M
HMK70-002.2-M

HMK70-002.1-F (6-16mm²)
HMK70-002.2-F (14-22mm²)



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN EN 60 664-1
DIN EN 61 984

Approvals



Inserts

Number of contacts	2
Electrical data acc. to EN 61 984	70 A 1000 V 8 kV 3
Rated current	
Rated voltage	
Rated impulse voltage	
Pollution degree	
Pollution degree 2 also	70 A 1600 V 12 kV 2
Rated voltage acc. to UL	600 V
Insulation resistance	$\geq 10^{10}\Omega$
Material	PC
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μ m Ag
Contact resistance	0.5 m Ω

Screw terminal

- Wire gauge 1) 6 ... 22 mm²
- AWG 8 ... 4
- Hexagonal driver SW 2.5
- Stripping length

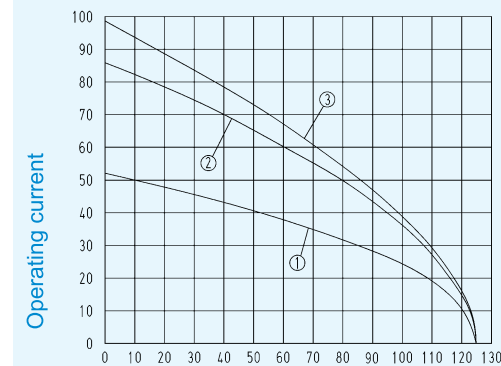
mm ²	6	10	16	22
mm	11+1	11+1	11+1	12.5+1

- Tightening torque

mm ²	6	10	16	22
Nm	2	3	4	5

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



Ambient temperature

① 24 B hoods/housings with 6 modules;
wire gauge: 6 mm²

② 24 B hoods/housings with 6 modules;
wire gauge: 16 mm²

③ 24 B hoods/housings with 6 modules;
wire gauge: 22 mm²

Hex key SW -2. 5X100
for axial setscrew



SW -2. 5X100

1000V 40A

Insert

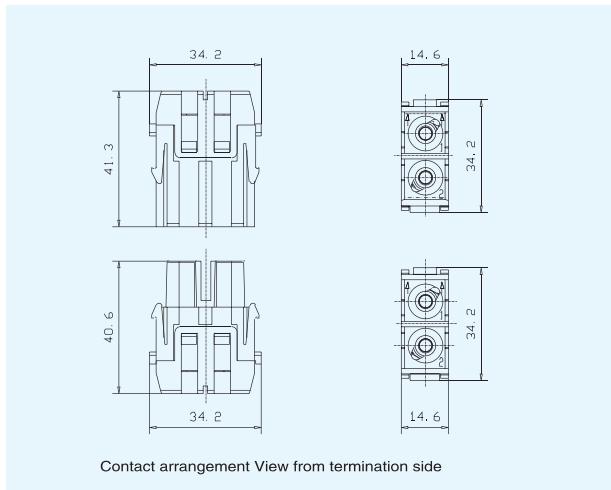
Axial Screw terminal



HMK-002.1-M
HMK-002.2-M

HMK-002.1-F
HMK-002.2-F

2.5-8mm²
6-10 mm²



Technical characteristics

Specifications

DIN VDE 0110
DIN EN 61984

Inserts	
Number of contacts	2

Electrical data acc. to EN 61984	
– working current	40A
– working voltage	1000V
– Rated impulse voltage	8kV
– Pollution degree	3
Pollution degree 2	40A 1600V 12kV 2
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	–40°C...+125°C
Flammability acc. to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts

Material	Copper alloy
Surface	silver plated
silver plated	3 μ m Ag
Contact resistance	≤ 0.5m Ω

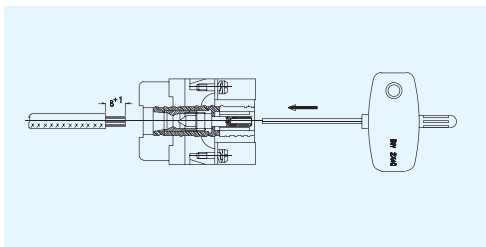
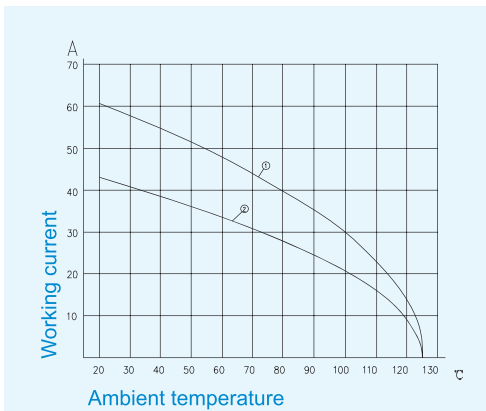
Axial Screw terminal	
–mm2	2.5–10mm2
–AWG	14–8
– Hexagonal driver	SW 2
– stripping length	

mm ²	25	4	6	10
mm	5-6	5-6	8-9	11-12

– Tightening torque				
mm ²	25	4	6	10
N.m	1.5	1.5	2	2

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



690V 40A

Insert

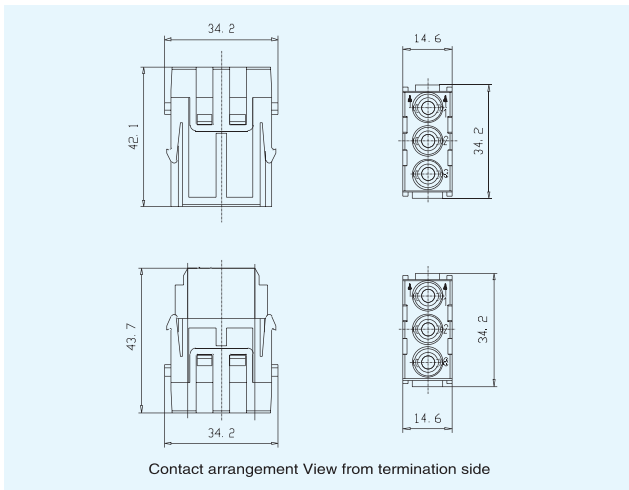
Axial Screw terminal



HMK-003.1-M
HMK-003.2-M

HMK-003.1-F
HMK-003.2-F

2.5-8mm²
6-10 mm²



Technical characteristics

Specifications

DIN VDE 0110
DIN EN 61984

Inserts	
Number of contacts	3

Electrical data acc. to EN 61984	
– working current	40A
– working voltage	690V
– Rated impulse voltage	8kV
– Pollution degree	3
Rated voltage acc. to	600V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	–40°C...+125°C
Flammability acc. to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts

Material	Copper alloy
Surface	silver plated
silver plated	3 μ m Ag
Contact resistance	≤ 0.5m Ω

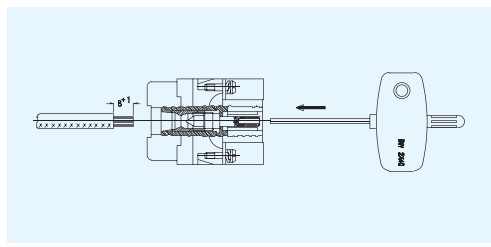
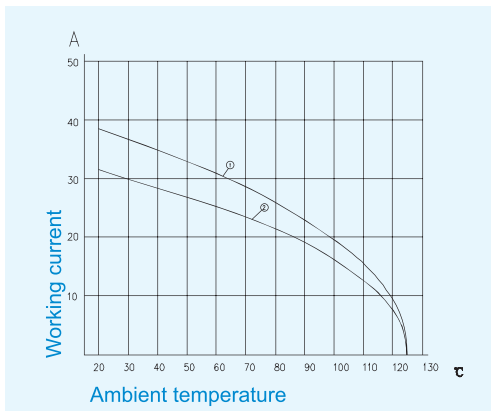
Axial Screw terminal	
–mm2	2.5–10mm2
–AWG	14–8
– Hexagonal driver	SW 2
– stripping length	

mm ²	2.5	4	6	10
mm	5-6	5-6	8-9	11-12

– Tightening torque				
mm ²	2.5	4	6	10
N.m	1.5	1.5	2	2

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



500V 40A

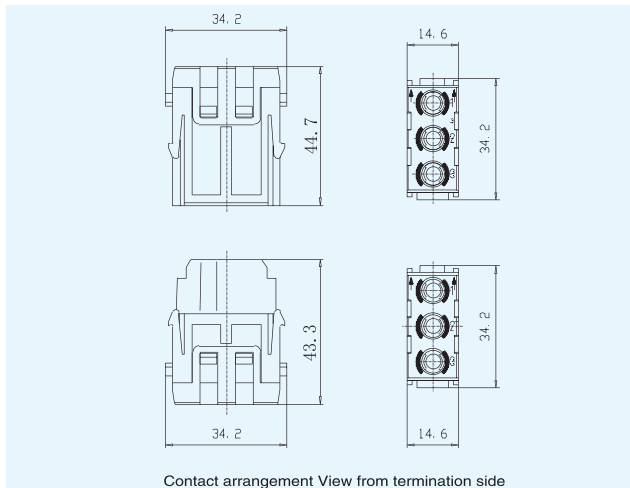
Insert

Crimp terminal



HMK-003-MC

HMK-003-FC



Contact arrangement View from termination side



*Crimp terminal should order contacts pins separately, detail please find the page15-02.



Combination with hinger frame and other modules possible

Technical characteristics

Specifications

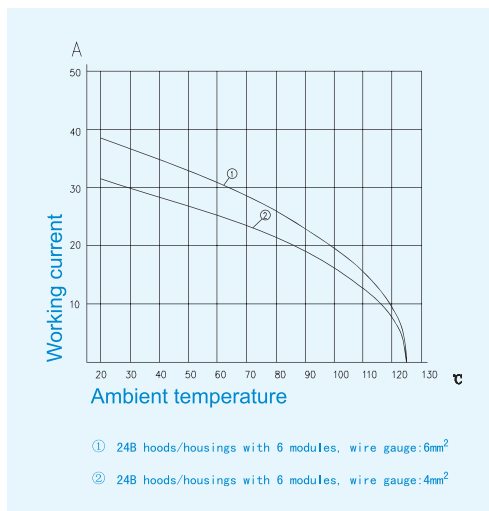
DIN VDE 0110
DIN EN 61984

Inserts	
Number of contacts	3
Electrical data acc. to EN 61984	
Cable diameter up to 7.5 mm	40A 500V 6kV 3
– working current	
– working voltage	
– Rated impulse voltage	
– Pollution degree	
Rated voltage acc. to UL/CSA	600V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	–40°C... +125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts	
Material	Copper alloy
Surface	silver plated
Contact resistance	≤ 0.3mΩ
Crimp terminal	
–mm2	1.5–6mm2
–AWG	16–10

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

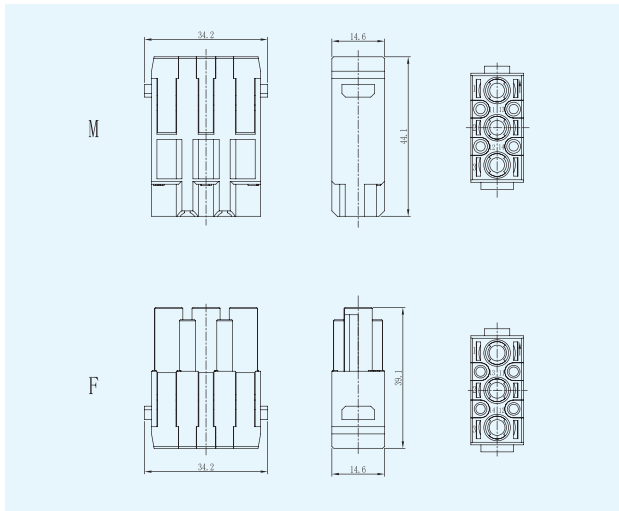


Crimp terminal



HMK-003/4-MC

HMK-003/4-FC



Combination with hinger frame and other modules possible

Technical characteristics

Specifications

DIN EN 60 664-1
DIN EN 61 984

Approvals

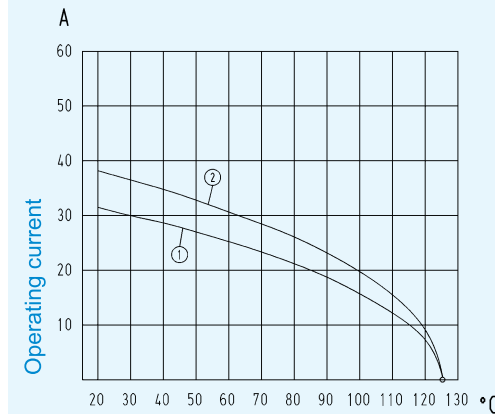


Inserts	
Number of contacts	3 / 4
Electrical data acc. to EN 61 984	
Power contacts	40 A 830 V 8 kV 3
Rated current	
Rated voltage	
Rated impulse voltage	
Pollution degree	
Signal contacts	10 A 830 V 8 kV 3
Rated current	
Rated voltage	
Rated impulse voltage	
Pollution degree	
Rated voltage acc. to UL	600 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Limiting temperatures	–40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
– mating cycles	≥ 500

Contacts	
Material	copper alloy
Surface	
– hard-silver plated	3 μm Ag
– hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	
Power contacts	≤ 0.3 mΩ

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



① 24 B hoods/housings with 6 modules; wire gauge: 4 mm²
② 24 B hoods/housings with 6 modules; wire gauge: 6 mm²

Signal contacts	≤ 3 mΩ
Crimp terminal	
– mm²	
Power contacts	1.5 ... 6 mm²
Signal contacts	0.14 ... 2.5 mm²
– AWG	
Power contacts	16 ... 10
Signal contacts	26 ... 14
Max. insulation diameter	
– Power contacts	5 mm

1000V 40 A

Insert

Crimp terminal



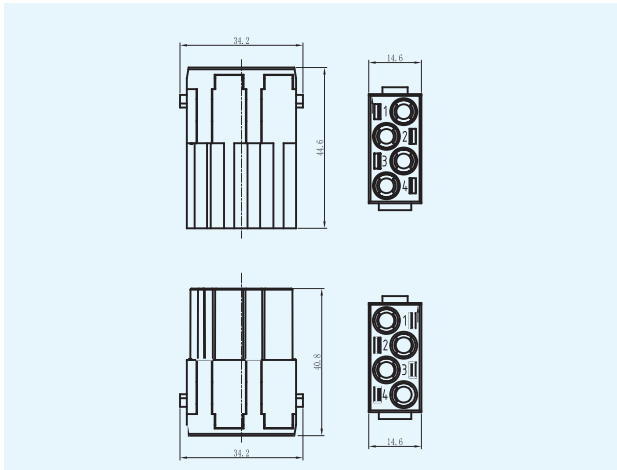
HMK-004-MC



HMK-004-FC



*Crimp terminal should order contacts pins separately, detail please find the page 15-01.



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN EN 60 664-1
DIN EN 61 984

Approvals



Inserts

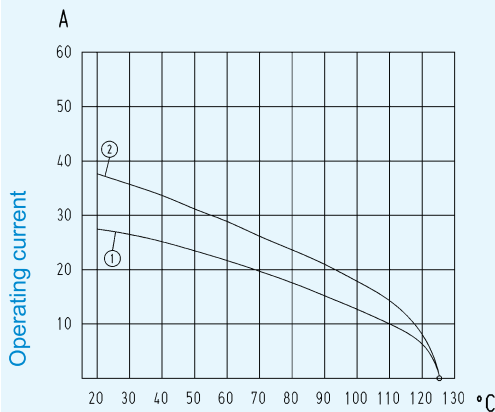
Number of contacts	4
Electrical data acc. to EN 61 984	40 A 830 V 8 kV 3
Rated current	
Rated voltage	
Rated impulse voltage	
Pollution degree	
Pollution degree 2 also	40 A 1000 V 8 kV 2
Rated voltage acc. to UL	600 V
Insulation resistance	$\geq 10^{10}\Omega$
Material	PC
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500

Contacts

Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
Contact resistance	$\leq 0.3 \text{ m}\Omega$
Crimp terminal	
- mm ²	1.5 ... 6 mm ²
- AWG	16 ... 10

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



- ① 24 B hoods/housings with 6 modules; wire gauge: 4 mm²
② 24 B hoods/housings with 6 modules; wire gauge: 6 mm²

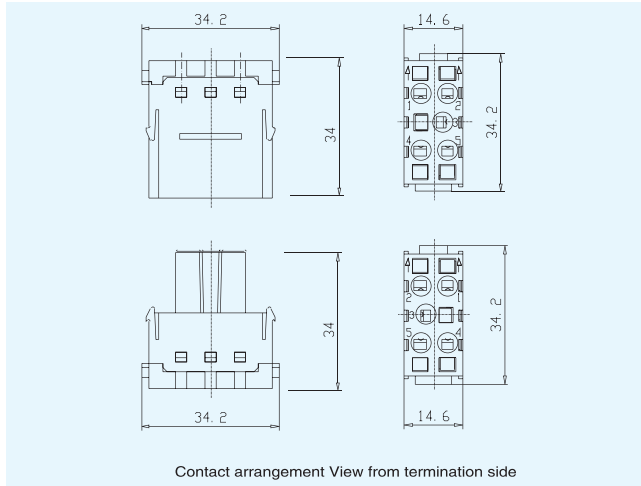
Cage-clamp terminal



HME-005-MS



HME-005-FS



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN VDE 011
DIN EN 6198

Inserts

Number of contacts	5
--------------------	---

Electrical data acc. to EN 61984

- working current	16A
- working voltage	400V
- Rated impulse voltage	6kV
- Pollution degree	3

Pollution degree 2 16A 500V 6kV 2

Rated voltage acc. to UL/CSA 600V

Insulation resistance $\geq 10^{10}\Omega$

Material PC

Temperature range -40°C... +125°C

Flammability acc.to UL94 V0

Mechanical working life (mating cycles) ≥ 500

Contacts

Material copper alloy

Surface silver plated

Contact resistance $\leq 3\text{m}\Omega$

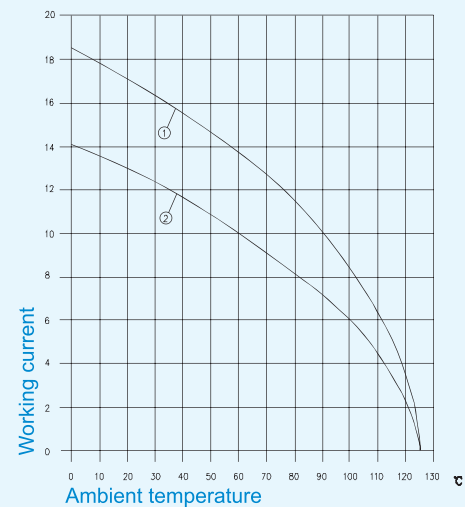
Cage-clamp terminal

-mm2 0.14-2.5mm²

-AWG 26-14

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



- ① 24B hoods/housings with 6 modules, wire gauge: 2.5mm²
② 24B hoods/housings with 6 modules, wire gauge: 1.5mm²

500V 16A

Insert

Crimp terminal

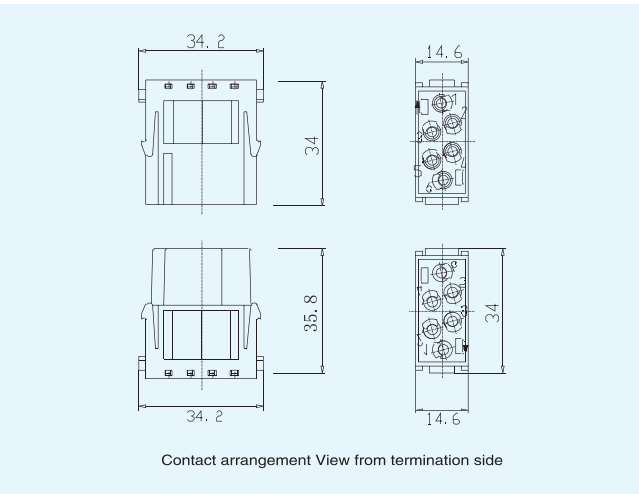


HME-006-MC

HME-006-FC



*Crimp terminal should order contacts pins separately, detail please find the page 15-01.



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

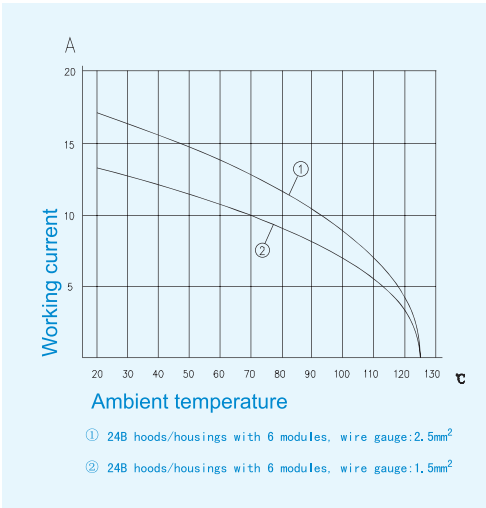
DIN VDE 0110
DIN EN 61984

Current carrying capacity

Inserts	
Number of contacts	6
Electrical data acc. to EN 61984	
– working current	16A
– working voltage	500V
– Rated impulse voltage	6kV
– Pollution degree	3
Pollution degree 2	16A 400/690V 6kV 2
Rated voltage acc. to UL/CSA	600V
Insulation resistance	≥10 ¹⁰ Ω
Material	PC
Temperature range	–40°C...+125°C
Flammability acc. to UL94	V0
Mechanical working life (mating cycles)	≥500

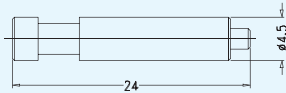
Contacts	
Material	Copper alloy
Surface	silver plated gold plated
Contact resistance	≤1mΩ
Crimp terminal	
–mm ²	0.14–4mm ²
–AWG	26–12

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



code pin

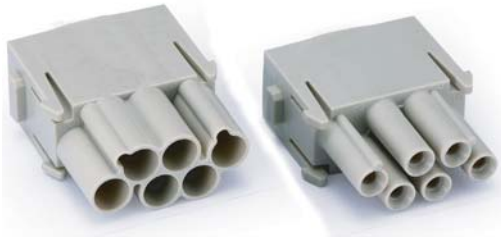
Order No. CODE–E



830V 16A

Insert

Crimp terminal

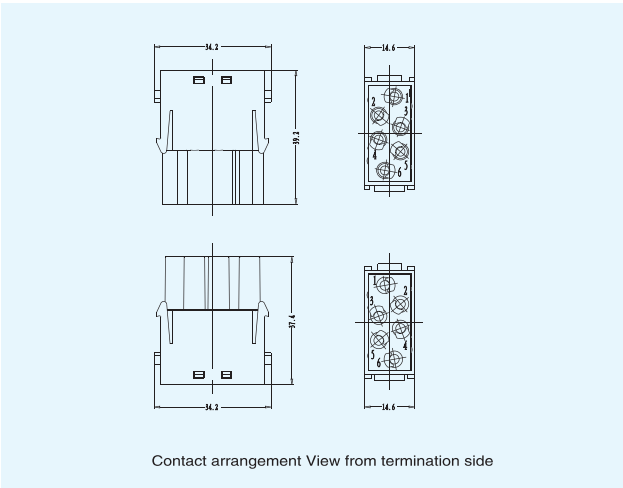


HVME-006-MC

HVME-006-FC



*Crimp terminal should order contacts pins separately, detail please find the page 15-01.



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

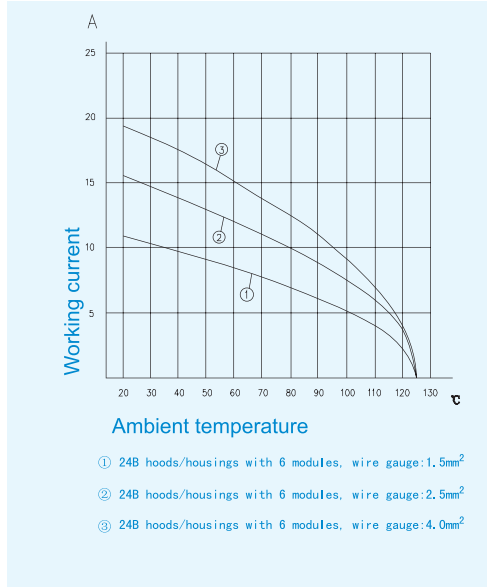
DIN VDE 0110
DIN EN 61984

Current carrying capacity

Inserts	
Number of contacts	6
Electrical data acc. to EN 61984	
– working current	16A
– working voltage	830V
– Rated impulse voltage	8kV
– Pollution degree	3
Pollution degree 2	16A 1250V 10kV 2
Rated voltage acc. to UL/CSA	600V
Insulation resistance	≥10 ¹⁰ Ω
Material	PC
Temperature range	–40°C...+125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥500

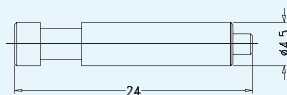
Contacts	
Material	Copper alloy
Surface	silver plated gold plated
Contact resistance	≤1mΩ
Crimp terminal	
–mm ²	0.14–4mm ²
–AWG	26–12

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



code pin

Order No. CODE–E



400V 16A

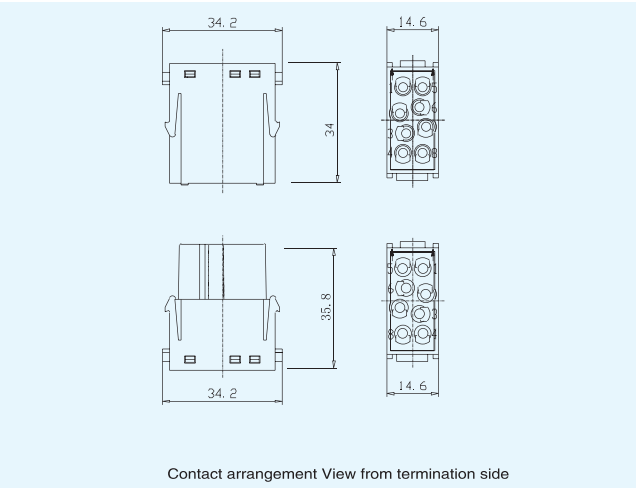
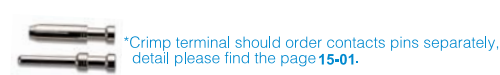
Insert

Crimp terminal



HMEE-008-MC

HMEE-008-FC



Technical characteristics

Specifications

DIN VDE 0110
DIN EN 61984

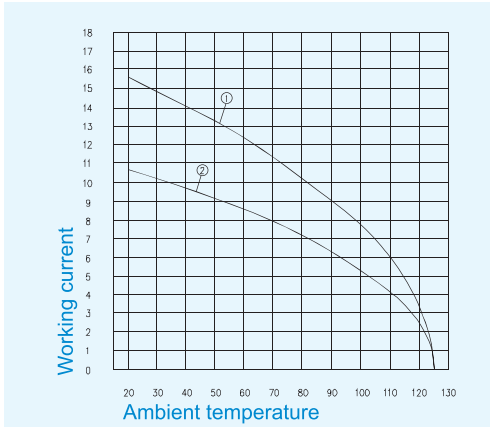
Inserts	
Number of contacts	8

Electrical data acc. to EN 61984	
– working current	16A
– working voltage	400V
– Rated impulse voltage	6kV
– Pollution degree	3
Pollution degree 2	16A 400/690V 6kV 2
Rated voltage acc. to	600V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	–40°C...+125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts	
Material	Copper alloy
Surface	silver plated gold plated
Contact resistance	≤ 1mΩ
Crimp terminal	
–mm2	0.14–4mm2
–AWG	26–12

Current carrying capacity

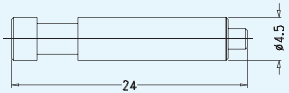
the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



① 24B hoods/housings with 6 modules, wire gauge: 2.5mm²
② 24B hoods/housings with 6 modules, wire gauge: 1.5mm²

code pin

Order No. CODE–E



250V 10A

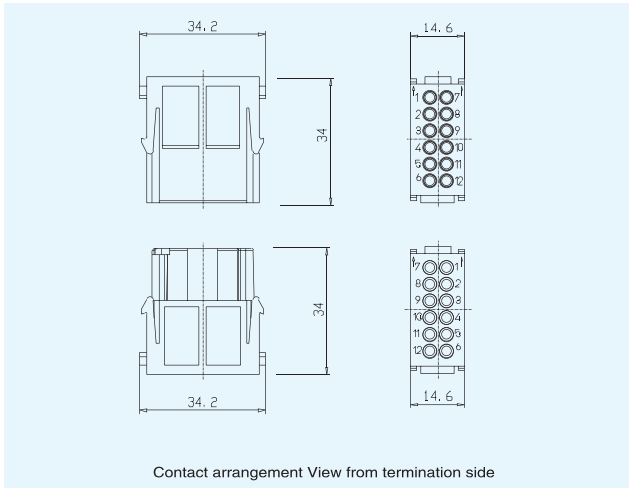
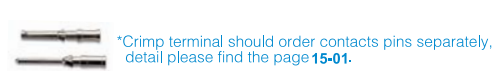
Insert

Crimp terminal



HMD-012-MC

HMD-012-FC



Technical characteristics

Specifications

DIN VDE 0110
DIN EN 61984

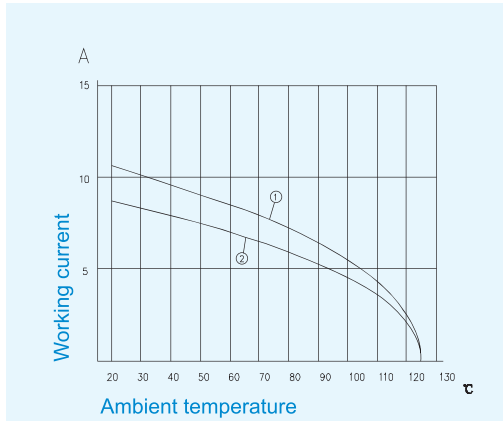
Inserts	
Number of contacts	12

Electrical data acc. to EN 61984	
– working current	10A
– working voltage	250V
– Rated impulse voltage	4kV
– Pollution degree	3
Rated voltage acc. to UL/CSA	600V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	–40°C... +125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts	
Material	Copper alloy
Surface	silver plated gold plated
Contact resistance	≤ 3mΩ
Crimp terminal	
–mm2	0.14–2.5mm ²
–AWG	26–14

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



① 24B hoods/housings with 6 modules, wire gauge: 1.5mm²
② 24B hoods/housings with 6 modules, wire gauge: 1.0mm²

160V 10A

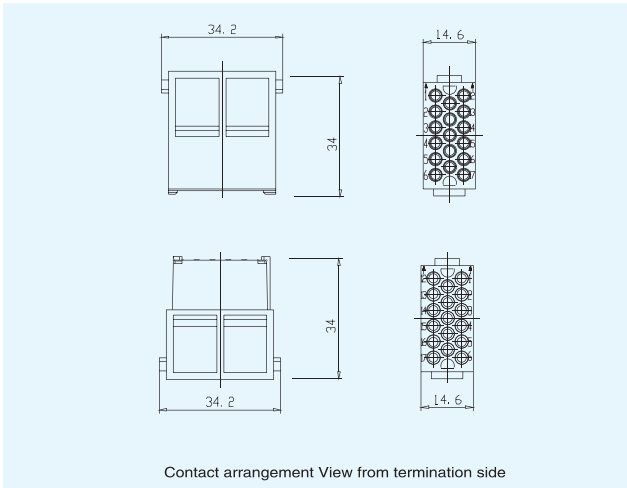
Insert

Crimp terminal



HMDD-017-MC

HMDD-017-FC



 *Crimp terminal should order contacts pins separately, detail please find the page **15-01**.

 Combination with hinged frame and other modules possible

Technical characteristics

Specifications

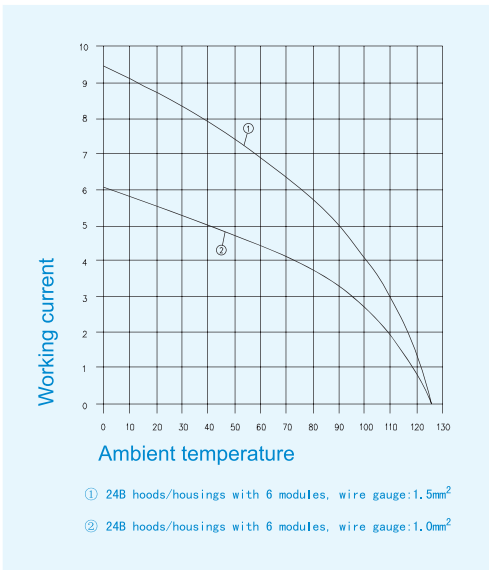
DIN VDE 011
DIN EN 6198

Inserts	
Number of contacts	17
Electrical data acc. to EN 61984	
- working current	10A
- working voltage	160V
- Rated impulse voltage	2.5kV
- Pollution degree	3
Pollution degree 2	10A 250V 4kV 2
Rated voltage acc. to UL/CSA	250V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	-40°C...+125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts	
Material	Copper alloy
Surface	silver plated gold plated
Contact resistance	≤ 3mΩ
Crimp terminal	
-mm2	0.14–2.5mm ²
-AWG	26–14

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

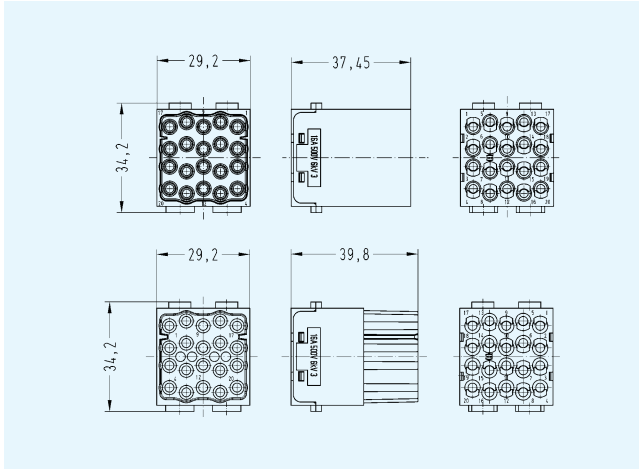


Crimp terminal



H2MEE-020-MC

H2MEE-020-FC



 *Crimp terminal should order contacts pins separately, detail please find the page **15-01**.

 Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN EN 60 664-1
DIN EN 61 984

Approvals

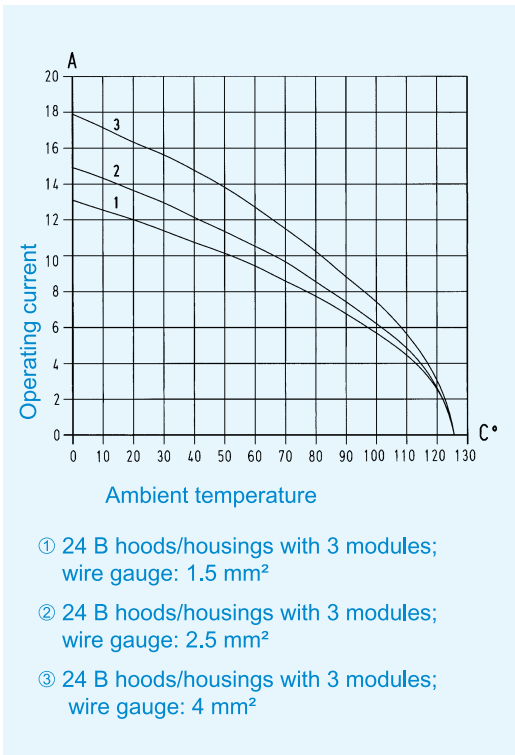


Inserts	
Number of contacts	20
Electrical data acc. to EN 61 984	
Rated current	16 A
Rated voltage	500 V
Rated impulse voltage	6 kV
Pollution degree	3
Pollution degree 2 also	16 A 830 V 8 kV 2
Rated voltage acc. to UL	600 V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	pc
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life - mating cycles	≥ 500

Contacts	
Material	copper alloy
Surface	
- hard-silver plated	3 μm Ag
- hard-gold plated	2 μm Au over 3 μm Ni
Contact resistance	≤ 1 mΩ
Crimp terminal	
- mm ²	0.14 ... 4 mm ²
- AWG	26 ... 12

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



50V 5A

Insert

Crimp terminal

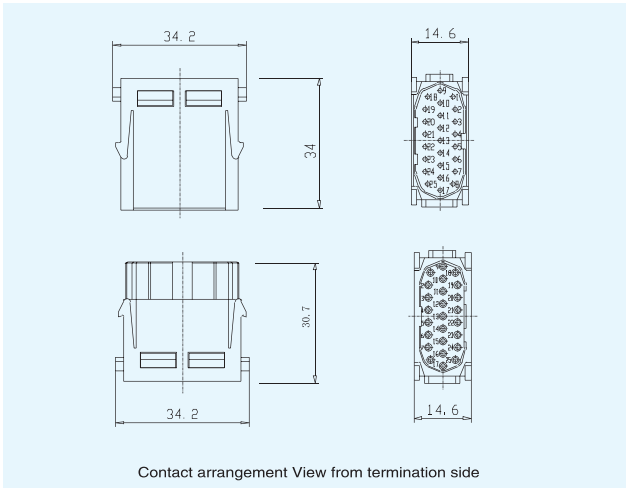


HMDS-025-MC

HMDS-025-FC

 *Crimp terminal should order contacts pins separately, detail please find the page 15-01.

 Combination with hinged frame and other modules possible



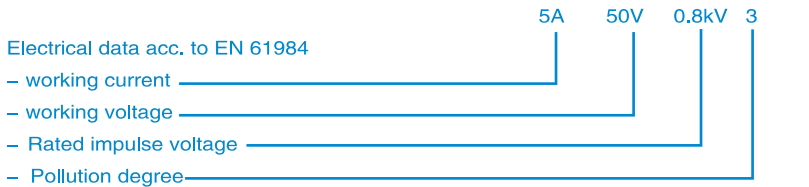
Technical characteristics

Specifications

DIN VDE 0110
DIN EN 61984

Inserts

Number of pin 25



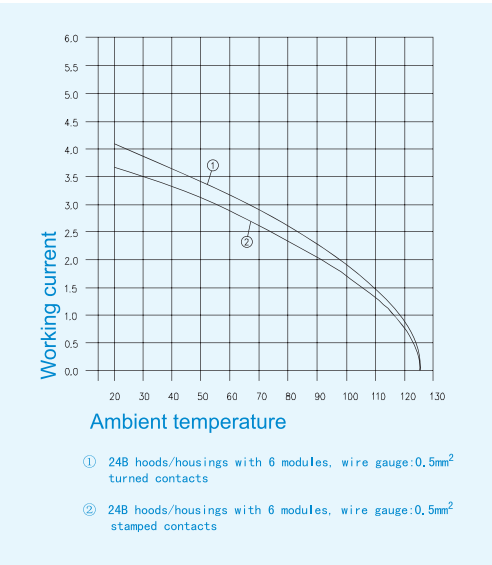
Rated voltage acc. to UL/CSA	600V
Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Temperature range	-40°C...+125°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥ 500

Contacts

Material	Copper alloy
Crimp terminal	
Surface	silver plated gold plated

Current carrying capacity

the current carrying is limited by maximum temperature of materials for inserts and contacts including terminals



50V 5A

Insert

D-Sub module

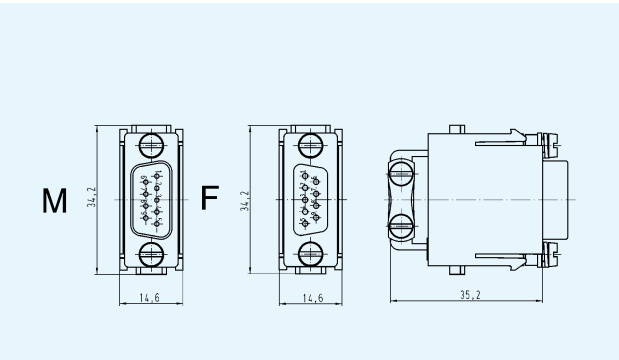


HMDS-009-MC

HMDS-009-FC

 *Crimp terminal should order contacts pins separately, detail please find the page 15-01.

 Combination with hinged frame and other modules possible



Technical characteristics

Specifications

DIN EN 60 664-1
DIN EN 61 984

Inserts

Number of contacts 9

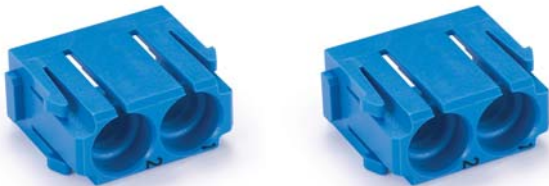


Insulation resistance	≥ 10 ¹⁰ Ω
Material	PC
Limiting temperatures	-40 °C ... +125 °C
Flammability acc. to UL 94	V 0
Mechanical working life	
- mating cycles	≥ 500

Pneumatic module

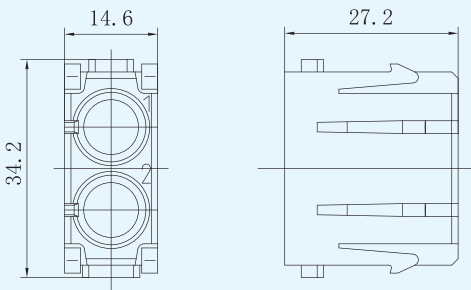
Insert

Pneumatic module



HMP-002

HMP-002



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN VDE 0110
DIN EN 6198

Inserts	
Number of pin	2
Material	PC
Temperature range	−40°C...+80°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥500

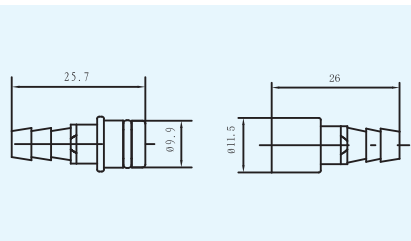
Contacts	
Material	Delrin Acetal
Tube termination	
–Internal diameter(ID)	6.0mm/1/4
Working pressure	8 bar / 116 psi
	Up to 8 bar / 116psi
Shut off valve	
Material	polypropylen
Sealing	
Material	Buna–N

Pneumatic contacts
without shut off
6mm/for tube internal diameter 6mm



PCM-6.0

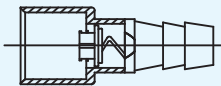
PCF-6.0



Pneumatic contacts with shut off
6mm/for tube internal diameter 6mm



PCFS-6.0

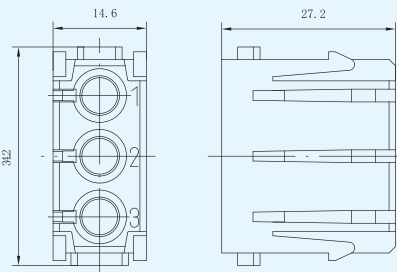


Pneumatic module



HMP-003

HMP-003



Combination with hinged frame and other modules possible

Technical characteristics

Specifications

DIN VDE 0110
DIN EN 6198

Inserts	
Number of pin	3
Material	PC
Temperature range	−40°C...+80°C
Flammability acc.to UL94	V0
Mechanical working life (mating cycles)	≥500

Contacts	
Material	Delrin Acetal
Tube termination	
– Internal diameter(ID)	1.6mm/1/16” 3.0mm 4.0mm/1/8”
Working pressure	8 bar / 116 psi
	Up to 8 bar / 116psi
Shut off valve	
– Material	polypropylen
Sealing	
Material	Buna–N

Pneumatic contacts
without shut off
1.6mm 3.0mm 4.0mm/ for tube
internal diameter 1.6mm, 3.0mm, 4.0mm



PCM-1.6

PCM-3.0

PCM-4.0

PCF-1.6

PCF-3.0

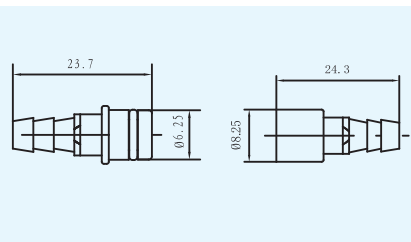
PCF-4.0

ID

1.6mm

3.0mm

4.0mm



Pneumatic contacts with shut off
1.6mm, 3.0mm, 4.0mm
for tube internal diameter 1.6mm, 3.0mm, 4.0mm



PCFS-1.6

PCFS-3.0

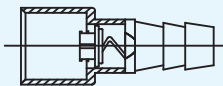
PCFS-4.0

ID

1.6mm

3.0mm

4.0mm



50V 10A

Electromagnetic Screening Module (EMC)

Q-Coax module

number of contacts 2



Specifications

DIN VDE 0110
DIN EN 6198

Inserts				
Number of contacts	2			
	10A	50V	0.8KV	3
Electrical data acc. to EN 61984				
–Working current				
–Working voltage				
–Rated impulse voltage				
– Pollution degree				
Insulation resistance	≥ 10 ¹⁰ Ω			
Material	PC			
Temperature range	–40℃...+125℃			
Flammability acc.to UL94	V0			
Mechanical working life (mating cycles)	≥ 500			

Contacts	
Q–Coax contact	
– number of Q–Coax/4 contacts	4+shielding
– number of Coax/1 contacts	1+shielding
–Material	
– Insulator	PC
– Outer conductor	zinc alloy
– Contact resistance	≤ 4 m Ω
– Temperature range	–40℃...+70℃
– Flammability acc.to UL94	V0
– Outer surface finish	nickel
– Cable diameter	3–9.5mm
D contacts	
– Material	Copper alloy
– Surface	silver–plated
– gold–plated	
– Contact resistance	≤ 3 m Ω
– Crimp terminal	
–mm ²	0.14–2.5
–AWG	26–14

50V 10A

Insert

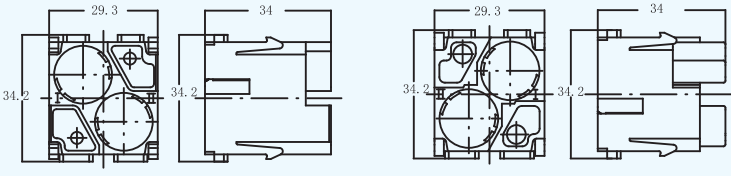
module



H2M-002-M



H2M-002-F



Contact arrangement View from termination side

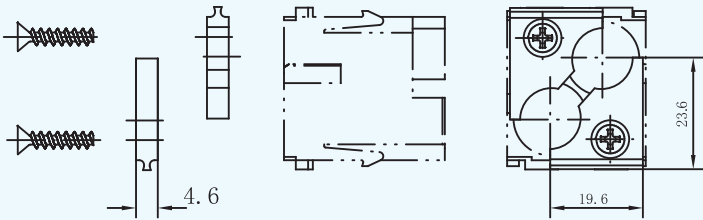


*Crimp terminal should order contacts pins separately, detail please find the page 15-01.

Q–Coax metal adapter option



APT-H2MQ



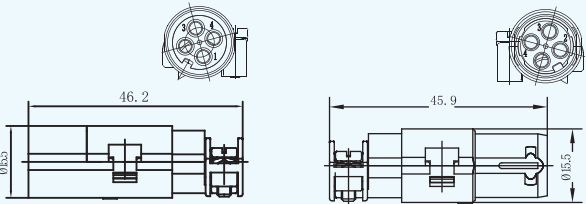
Q–Coax/4 contact (Cable Diameter 3mm–9.5mm)



EMC-004-MC



EMC-004-FC



2 clamps for cable diameter 3-6 and 6-9.5mm included in the delivery range

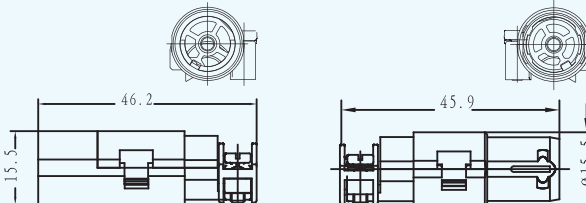
Q–Coax/1 contact (Cable Diameter 3mm–9.5mm)



EMC-001-MC



EMC-001-FC



2 clamps for cable diameter 3-6 and 6-9.5mm included in the delivery range

Applicable to adaptor on single H3A enclosure with EMC screening



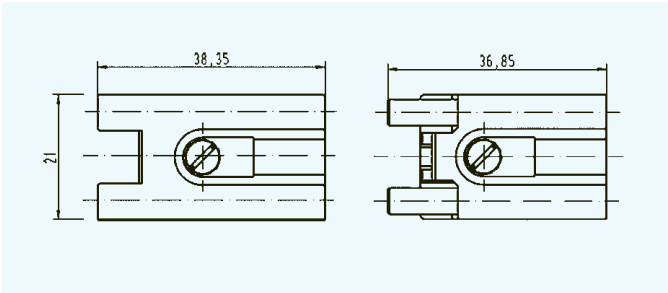
Quintax insert



H3A-001-M



H3A-001-F



Q-Coax/4 contact (Cable Diameter 3mm–9.5mm)

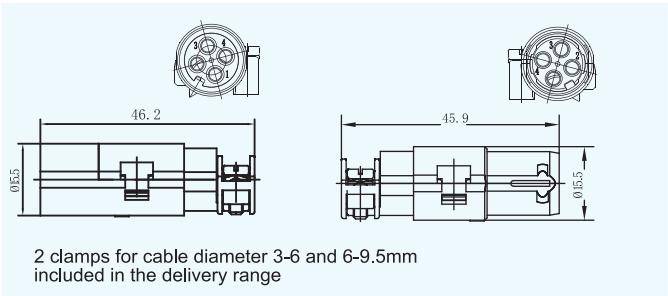
Special clamp
for cable diameter
3 - 6 and 6 - 9.5 mm
included in delivery range



EMC-004-MC



EMC-004-FC



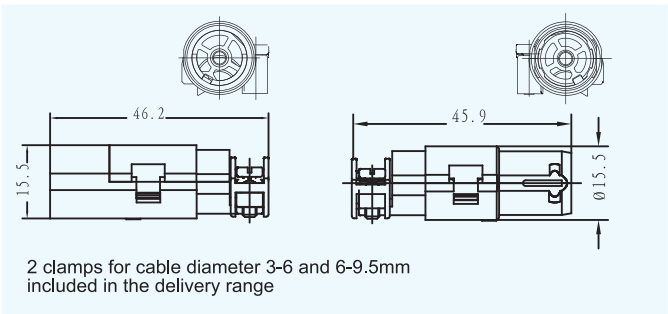
Q-Coax/1 contact (Cable Diameter 3mm–9.5mm)



EMC-001-MC



EMC-001-FC



Assembly instructions

Quintax-Z-contact

1. fold the shielding over the cable.
2. Crimp contacts onto the wires.
3. Insert contacts into corresponding cavaties of insulator until they are snapped in.
4. Fit the insert including the cable into the opened shielded bushing. The coding pin of the shielded bushing has to meet the groove of the insulator.
5. Clamp the tilt over the shielding onto the cable by means of the special clamp (small opening for cable diameter of 3 - 6 mm, large opening for cable diameter of 6 - 9.5 mm).
6. Check the wiring.
7. Close the shielded bushing with the cover and insert it into the corresponding cavity of the Quintax Module as usual.