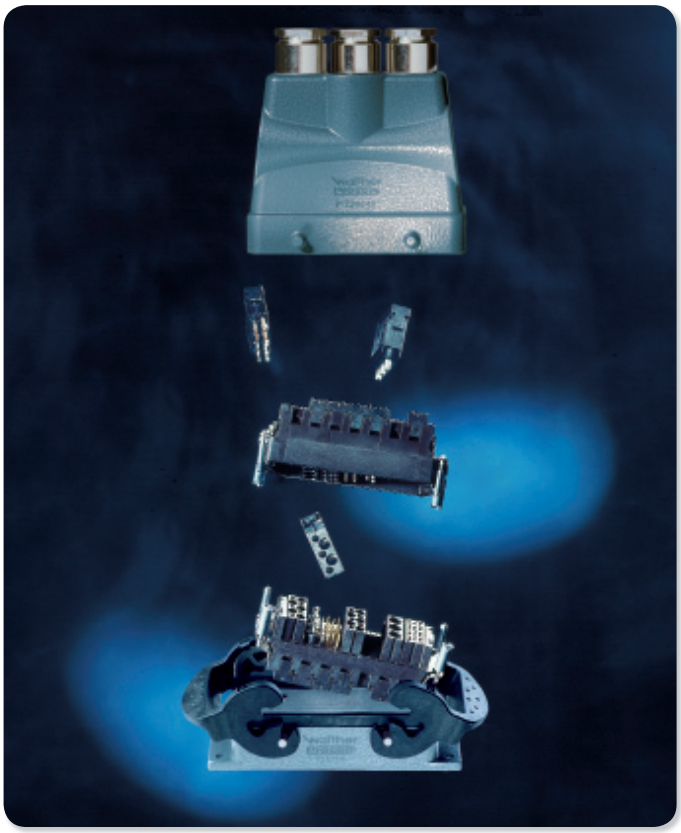
The different modules are inserted into the appropriate retaining frames (which vary according to the different housing sizes). There they snap in easily and safely. A special removal tool ensures quick and easy customisation of the connector to meet any change in the users' requirements.

The modular MO series is an extension of the PROCON range of industrial connectors. The advantage is the modularization of inserts. The known division into male and female inserts does not apply here anymore. The user has the possibility of inverse equipment, i.e. in the modular system, a retaining frame can accommodate contact carriers for both pin and sleeve contacts.

In combination with the proven series B standard housings, the MO series allows the synthesis of electrical and optical contacts in inserts with different amperages and voltages inside one retaining frame.

The modular construction of inserts leaves the decision on the specific arrangement in individual applications to the user.



Due to the extensive range of different available housing sizes the user can implement combinations of 2 up to max. 2 x 7 contact carriers per housing - and thus realise any pole number from 3 up to 280.

The following regulations apply to the combination of several circuits in one cable and/or for example a connector:

VDE 0100/1.97 § 411.1.3.2
and
DIN EN 60 204/11.98 § 14.1.3.

Series MO

Specifications

Regulations: DIN VDE 0627, DIN VDE 0110, DIN EN 61 984

Approvals: UR, CSA, SEV

Number of poles: 3 - 280 + PE

Electrical data:

See individual series.

Application hint:
Industrial connectors are electrical devices which must not be connected or disconnected under load!

Attention:
Retaining frames and modules are available in grey or black. We will supply the colour version which is currently available at the time of ordering - no colour can be reserved!

MO modules overview

Series	Specifications	5*	6*	7*	8*	9*	10*	Starting on page: Inserts / Housings
MO	Retaining frame: No. of contact carrier:	**MO B6** **2**	**MO B10** **3**	**MO B16** **5**	**MO B24** **7**	**2 x MO B16** **2 x 5**	**2 x MO B24** **2 x 7**	
MO 3 coax	250 V	C	C	C	C	C	C	
MO 3	50 A / 630 V	C	C	C	C	C	C	
MO 3.1	50 A / 1000 V	C	C	C	C	C	C	
MO 4 MO 5.1	16 A / 1000 V	C	C	C	C	C	C	71 / 107
MO 5	20 A / 400 V	C	C	C	C	C	C	
MO 10	10 A / 250 V	C | POF	C | POF	C | POF	C | POF	C | POF	C | POF	
MO 20	5 A / 63 V	C	C	C	C	C	C	
MO	Pneumatic							
MO	RJ45							
MO	Blind module							

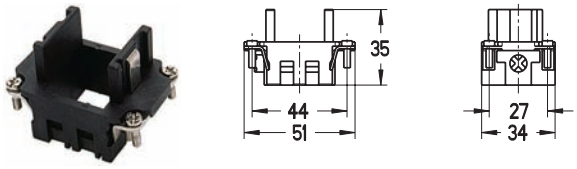
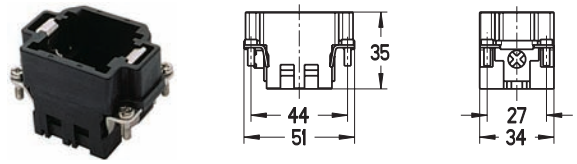
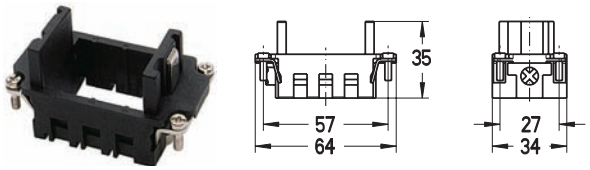
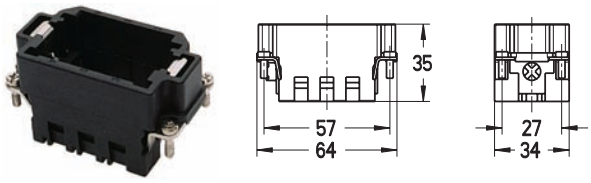
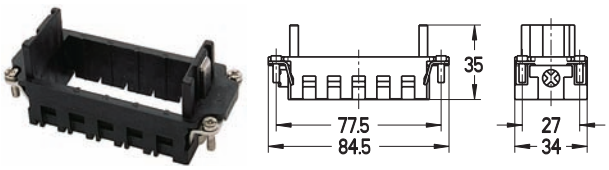
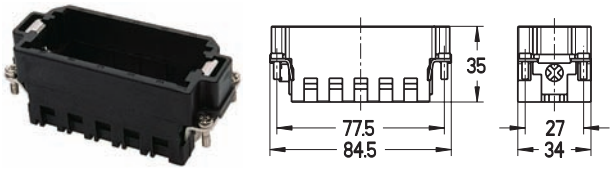
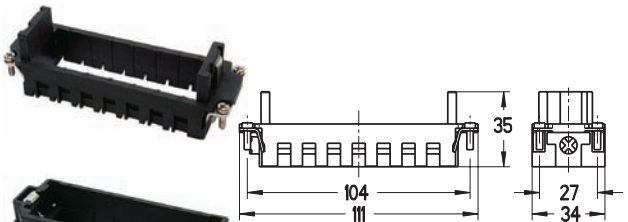
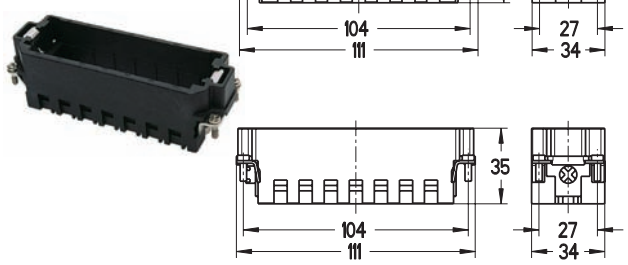
***Vertical columns:** identical housing sizes and fixing dimensions for the different series and numbers of poles

S | IDC / C | POF = **S**crew | **I**nsulation **D**isplacement **C**onnection / **C**rimp | **P**olymer **O**ptical **F**ibre

Note for users

The following regulations apply to the combination of several circuits in one cable and/or for example a connector:

VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3

Description	Part no.	Frame coding	Series MO B	g
Retaining frames				
Female frames MO B 6 **for 2 contact carriers** for pin and sleeve contacts mountable in series B 6 housings	**770 006** 770 406 (2 x PE)	A - B		10 29 31
Male frames MO B 6 **for 2 contact carriers** for pin and sleeve contacts mountable in series B 6 housings	**770 106** 770 506 (2 x PE)	A - B		10 33 35
Female frames MO B 10 **for 3 contact carriers** for pin and sleeve contacts mountable in series B 10 housings	**770 010** 770 410 (2 x PE)	A - C		10 33 35
Male frames MO B 10 **for 3 contact carriers** for pin and sleeve contacts mountable in series B 10 housings	**770 110** 770 510 (2 x PE)	A - C		10 39 41
Female frames MO B 16 **for 5 contact carriers** for pin and sleeve contacts mountable in series B 16 housings	**770 016** 770 416 (2 x PE)	A - E		10 33 35
with additional female frame mountable in series B 32 housings	**770 216** 770 616 (2 x PE)	V - Z		33 35
Male frames MO B 16 **for 5 contact carriers** for pin and sleeve contacts mountable in series B 16 housings	**770 116** 770 516 (2 x PE)	A - E		10 42 44
with additional male frame mountable in series B 32 housings	**770 316** 770 716 (2 x PE)	V - Z		42 44
Female frames MO B 24 **for 7 contact carriers** for pin and sleeve contacts mountable in series B 24 housings	**770 024** 770 424 (2 x PE)	A - G		10 40 42
with additional female frame mountable in series B 48 housings	**770 224** 770 624 (2 x PE)	T - Z		40 42
Male frames MO B 24 **for 7 contact carriers** for pin and sleeve contacts mountable in series B 24 housings	**770 124** 770 524 (2 x PE)	A - G		10 49 51
with additional male frame mountable in series B 48 housings	**770 324** 770 724 (2 x PE)	T - Z		49 51

► Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151

Series MO 3-pole coax

Specifications

Number of poles
3

Termination method
Crimp, solder-type

Contacts
solid, turned, copper alloy
gold-plated
Contact diameter 3.6 mm coax

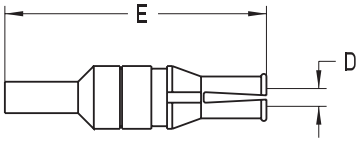
Rated voltage
250 V

Contact resistance
< 5 mΩ

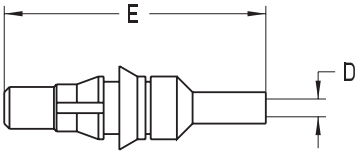
Wave impedance
50 Ω

Frequency range
2 GHz

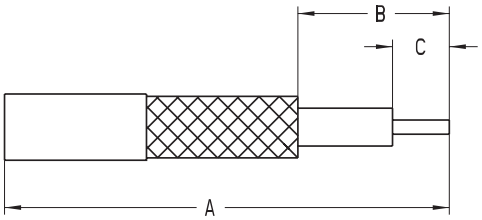
Sleeve contact



Pin contact



Stripping / contact dimensions



Cable size:

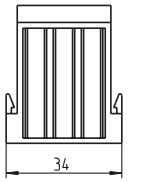
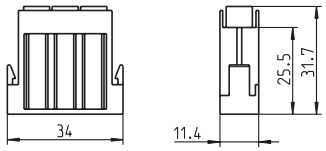
RG 174, 179, 316	A = 9.9 B = 3.6 C = 2	D = 1.7 E = 23.6	D = 1.7 E = 23.6
RG 58	A = 11.5 B = 3.6 C = 2	D = 3.2 E = 23.6	D = 3.2 E = 23.6

Contact arrangement

View from termination side

Female insert

Male insert

Description	Part no.		Series MO 3 P coax	g
Crimp contact carrier				
Contact carrier MO 3 K for sleeve contacts	**771 203**		 	10 8
Please order crimp contacts separately				
Contact carrier MO 3 K for pin contacts	**771 303**		 	10 6
Please order crimp contacts separately				
Contacts				
Sleeve contact MO 3 K for crimp or solder type terminal for cable size RG 174, 179, 316 for cable size RG 58	gold-plated 772 400 772 410			1 3 3
Pin contact MO 3 K for crimp or solder type terminal for cable size RG 174, 179, 316 for cable size RG 58	gold-plated 772 500 772 510			1 3 3
Tools				
Removal tool for MO 3 contacts	**779 000**			1 28
Crimping tool for single contacts **Crimping dies** for cable size RG 174, 179, 316 for cable size RG 58	**779 700** **779 710** **779 720**			1 420
Removal tool for contact carriers	**779 300**			1 30

6

► Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151

Series MO 3-pole

Specifications

Number of poles
3

Termination method
Crimp

Contacts
solid, turned, copper alloy
silver-plated
Contact diameter 3.6 mm

Terminal cross section
1.5 - 10 mm² (16 - 8 AWG)

Rated current
max. 50 A, see derating diagrams

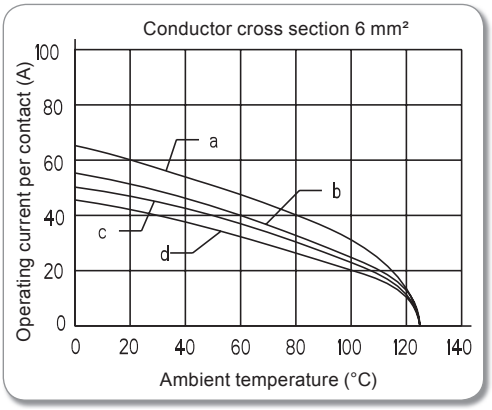
Rated voltage
630 V

Rated surge
8.0 kV

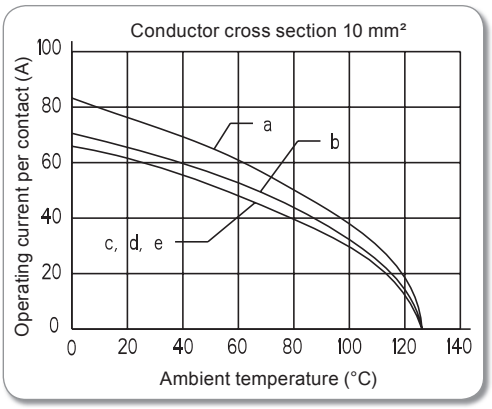
Test voltage
4 kV

Contact resistance
≤ 1 mΩ

The Derating-Diagram
(corrected current capacity curve) acc. to DIN IEC 60 512 applies to such kind of current which can (depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



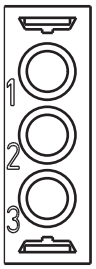
Curve	Poles	Retaining frame
a	3	MO B 6
b	6	MO B 6
c	9	MO B 10
d	15	MO B 16
e	21	MO B 24



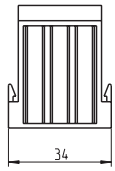
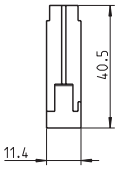
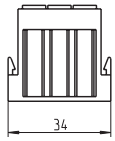
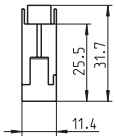
Contact arrangement

View from termination side

Female insert



Male insert

Description	Part no.		Series MO 3 P 50 A / 630 V				g
Crimp contact carrier							
Contact carrier MO 3 for sleeve contacts *Please order crimp contacts separately*	**771 003**						10 8
Contact carrier MO 3 for pin contacts *Please order crimp contacts separately*	**771 103**						10 6
Contacts							
Sleeve contact MO 3 crimp-type, weight per 100	silver-plated 772 030 772 040 772 050 772 060 772 070		Terminal cross section 1.5 mm² 2.5 mm² 4 mm² 6 mm² 10 mm²	 16 AWG 14 AWG 12 AWG 10 AWG 8 AWG			100 300 300 300 300 300
Pin contact MO 3 crimp-type, weight per 100, Pin Ø 3.6 mm²	silver-plated 772 130 772 140 772 150 772 160 772 170		1.5 mm² 2.5 mm² 4 mm² 6 mm² 10 mm²	16 AWG 14 AWG 12 AWG 10 AWG 8 AWG			100 300 300 300 300 300
Tools							
Removal tool for MO 3 contacts	**779 000**						1 28
Crimping tool for turned contacts 1.5-10 mm² respectively 16-8 AWG fourfold indenting tool	**710 610**						1 663
Removal tool for contact carriers	**779 300**						1 30

► Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151

Series MO 3.1-pole

Specifications

All contacts 2 mm first-to-mate to other contact carriers

Number of poles
3

Termination method
Crimp

Contacts
solid, turned, copper alloy
silver-plated
Contact diameter 3.6 mm

Terminal cross section
1.5 - 10 mm² (16 - 8 AWG)

Rated current
max. 50 A, see derating diagrams

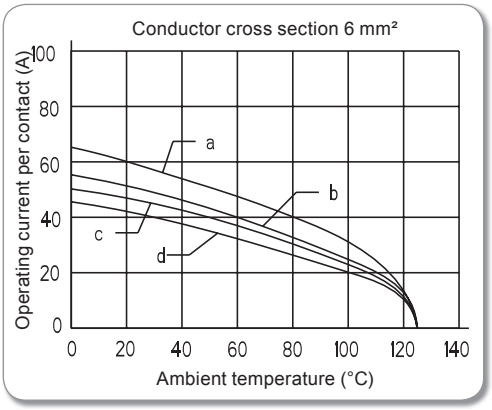
Rated voltage
1000 V

Rated surge
8.0 kV

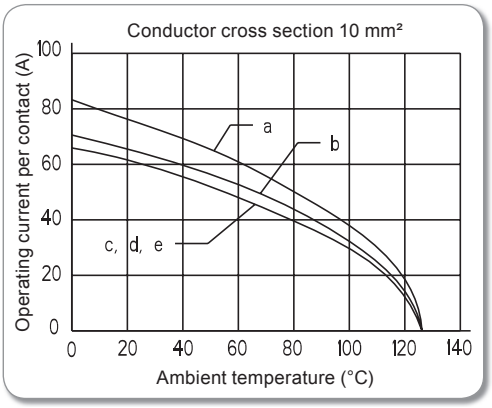
Test voltage
5.7 kV

Contact resistance
1 m

The Derating-Diagram
(corrected current capacity curve) acc. to DIN IEC 60 512 applies to such kind of current which can (depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



Curve	Poles	Retaining frame
a	3	MO B 6
b	6	MO B 6
c	9	MO B 10
d	15	MO B 16
e	21	MO B 24

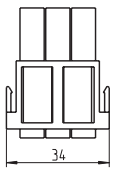
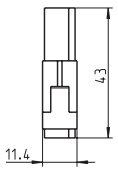
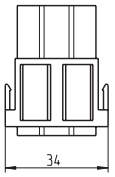
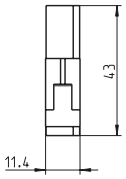


Contact arrangement

View from termination side:

Female insert

Male insert

Description	Part no.		Series MO 3.1 P 50 A / 1000 V	g
Crimp contact carrier				
Contact carrier MO 3.1 for sleeve contacts *Please order crimp contacts separately*	771 403		  	10 6
Contact carrier MO 3.1 for pin contacts *Please order crimp contacts separately*	771 503		  	10 7
Contacts				
Sleeve contact MO 3 crimp-type, weight per 100	silver-plated 772 030 772 040 772 050 772 060 772 070		 Terminal cross section 1.5 mm² 16 AWG 2.5 mm² 14 AWG 4 mm² 12 AWG 6 mm² 10 AWG 10 mm² 8 AWG	100 300 300 300 300 300
Pin contact MO 3 crimp-type, weight per 100, Pin Ø 3.6 mm²	silver-plated 772 130 772 140 772 150 772 160 772 170		 1.5 mm² 16 AWG 2.5 mm² 14 AWG 4 mm² 12 AWG 6 mm² 10 AWG 10 mm² 8 AWG	100 300 300 300 300 300
Tools				
Removal tool for MO 3 contacts	**779 000**			1 28
Crimping tool for turned contacts 1.5 - 10 mm² respectively 16 - 8 AWG fourfold indenting tool	**710 610**			1 663
Removal tool for contact carriers	**779 300**			1 30

6

► Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151

Series MO 4-pole + ⏚ / 5.1-pole

Specifications

With pin contact carrier MO 4 P + ⏚ the PE contact is 2 mm first-to-mate

Number of poles
4 + ⏚
5

Termination method
Crimp

Contacts
stamped, copper alloy
silver-plated
Contact diameter 2.5 mm

Terminal cross section
0.5 - 4 mm² (20 - 12 AWG)

Rated current
max. 16 A, see derating diagrams

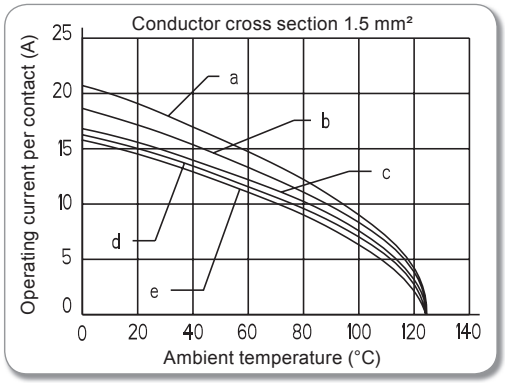
Rated voltage
1000 V

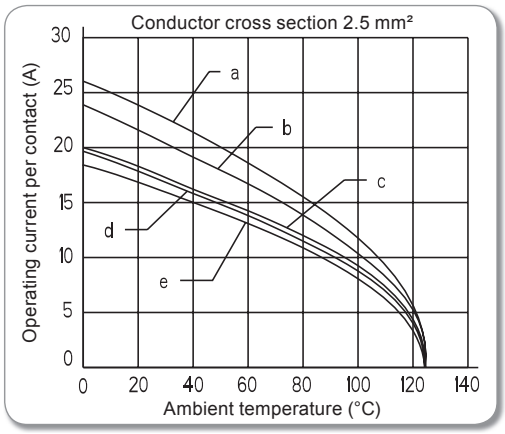
Rated surge
8.0 kV

Test voltage
5.7 kV

Contact resistance
5 m

The Derating-Diagram
(corrected current capacity curve) acc. to DIN IEC 60 512 applies to such kind of current which can (depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.





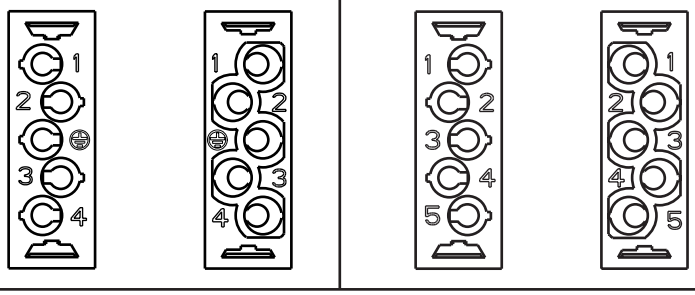
Curve	Poles	Retaining frame
a	5	MO B 6
b	10	MO B 6
c	15	MO B 10
d	25	MO B 16
e	35	MO B 24

Contact arrangement

View from termination side:

4-pole + ⏚ | 5-pole

Female insert | Male insert | Female insert | Male insert

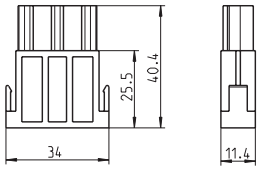


Description	Part no.		Series MO 4 P + ⏚ / 5.1 P 16 A / 1000 V	g

Crimp contact carrier

Contact carrier MO 4 + ⏚
for sleeve contacts **771 610**

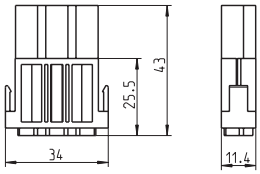
Please order crimp contacts separately

10
6

Contact carrier MO 4 + ⏚
for pin contacts **771 710**
PE contact 2 mm first-to-mate

Please order crimp contacts separately

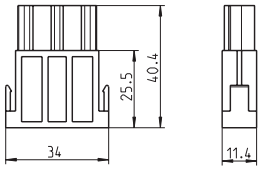



10
7

Crimp contact carrier

Contact carrier MO 5.1
for sleeve contacts **771 620**

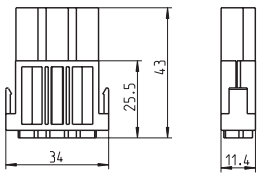
Please order crimp contacts separately

10
6

Contact carrier MO 5.1
for pin contacts **771 720**

Please order crimp contacts separately

10
7

Contacts

Sleeve contact MO 5.1 silver-plated
crimp-type, stamped,
single contact **773 200**
773 230
773 260
weight per 100,
- strip contacts on request -

Terminal cross section

0.5 - 1.5 mm²	20 - 16 AWG
1.5 - 2.5 mm²	16 - 14 AWG
2.5 - 4 mm²	12 AWG

100
30
30
30

Pin contact MO 5.1 silver-plated
crimp-type, stamped,
single contact, **773 300**
pin Ø 2.5 mm², **773 330**
weight per 100, **773 360**
- strip contacts on request -

0.5 - 1.5 mm²	20 - 16 AWG
1.5 - 2.5 mm²	16 - 14 AWG
2.5 - 4 mm²	12 AWG

100
60
60
60

Tools

(Crimping tools and machines for strip contacts on request)

Removal tool
for MO 5.1 contacts **779 800**

1
26

Crimping tool
for single contacts **779 700**
Crimping dies **779 730**
779 740
Contact locators **774 010**
774 020

Conductor size (mm²)	(AWG)
0.5 - 1.5	20 - 16
1.5 - 2.5	16 - 14
0.5 - 1.5	20 - 16
1.5 - 2.5	16 - 14

1
420

Removal tool
for contact carriers **779 300**

1
30

► Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151

Module MO 5-pole

Specifications

Number of poles
5

Termination method
Crimp

Contacts
solid, turned, copper alloy
silver-plated
Contact diameter 2.5 mm

Terminal cross section
0.5 - 4 mm² (20 - 12 AWG)

Rated current
max. 20 A, see derating diagrams

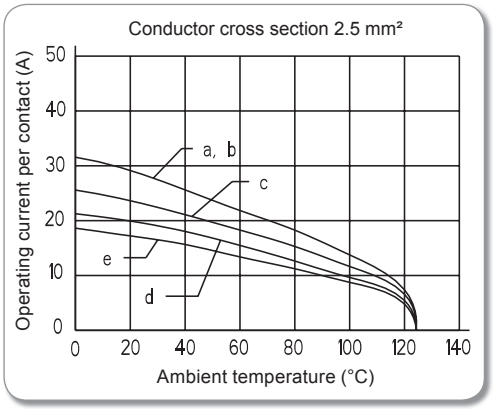
Rated voltage
400 V

Rated surge
6.0 kV

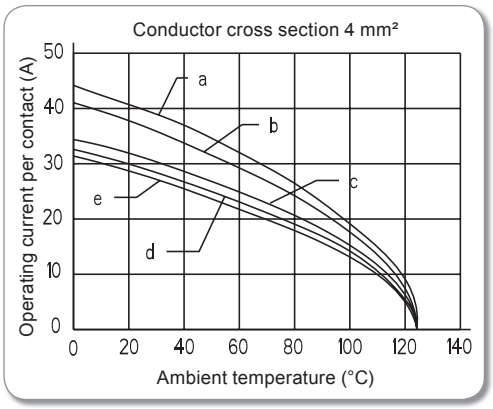
Test voltage
3.5 kV

Contact resistance
≤ 2 mΩ

The Derating-Diagram
(corrected current capacity curve) acc. to DIN IEC 60 512 applies to such kind of current which can (depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



Curve	Poles	Retaining frame
a	5	MO B 6
b	10	MO B 6
c	15	MO B 10
d	25	MO B 16
e	35	MO B 24

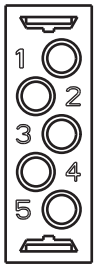


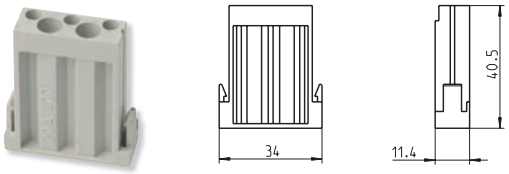
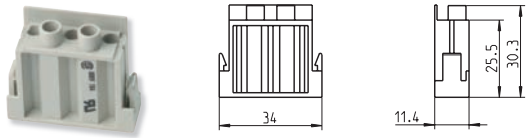
Contact arrangement

View from termination side:

Female insert

Male insert



Descriptions	Part no.		Series MO 5 P 20 A / 400 V	g
Crimp contact carrier				
Contact carrier MO 5 for sleeve contacts *Please order crimp contacts separately*	**771 005**			10 8
Contact carrier MO 5 for pin contacts *Please order crimp contacts separately*	**771 105**			10 6
Contacts				
Sleeve contact MO 5 crimp-type, weight per 100	silver-plated 772 210 772 220 772 230 772 240 772 250		Terminal cross section 0.5 mm² 20 AWG 0.75 - 1 mm² 19 - 18 AWG 1.5 mm² 16 AWG 2.5 mm² 14 - 12 AWG 4 mm² 12 AWG	100 152 163 170 200 240
Pin contact MO 5 crimp-type, weight per 100, Pin Ø 2.5 mm²	silver-plated 772 310 772 320 772 330 772 340 772 350		0.5 mm² 20 AWG 0.75 - 1 mm² 19 - 18 AWG 1.5 mm² 16 AWG 2.5 mm² 14 - 12 AWG 4 mm² 12 AWG	100 58 65 70 100 140
Tools				
Removal tool for MO 5 contacts	**779 100**			1 26
Walther crimping tool for conductor cross section 0.14 - 4.0 mm² respectively 26 - 12 AWG for turned contacts only	**710 611**			1 510
Removal tool for contact carriers	**779 300**			1 30

6

► Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151

Series MO 10-pole

Specifications

Number of poles
10

Termination method
Crimp
POF

Contacts
solid, turned, copper alloy
silver-plated
Contact diameter 1.6 mm

Terminal cross section
0.14 - 2.5 mm² (26 - 14 AWG)

Rated current
max. 10 A, see derating diagrams

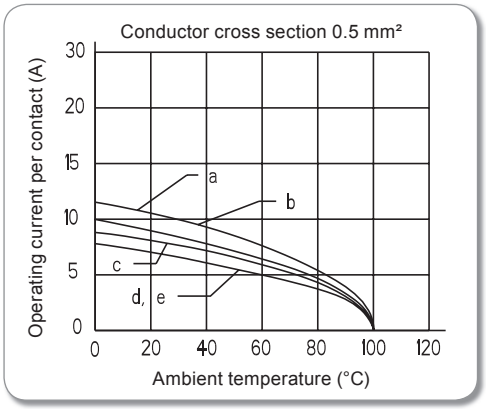
Rated voltage
250 V

Rated surge
4.0 kV

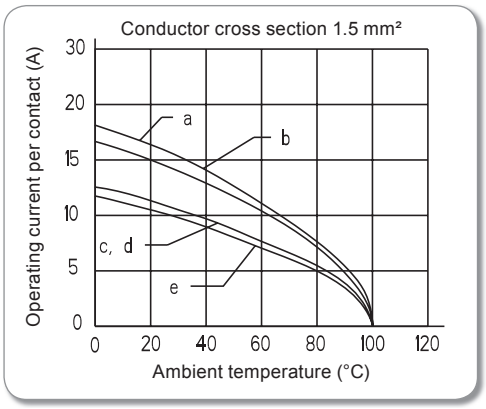
Test voltage
2.2 kV

Contact resistance
3 m

The Derating-Diagram
(corrected current capacity curve) acc. to DIN IEC 60 512 applies to such kind of current which can (depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



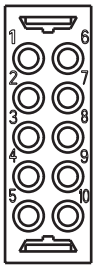
Curve	Poles	Retaining frame
a	10	MO B 6
b	20	MO B 6
c	30	MO B 10
d	50	MO B 16
e	70	MO B 24



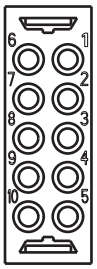
Contact arrangement

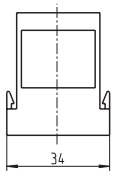
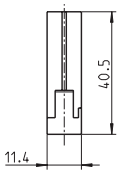
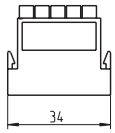
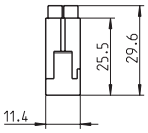
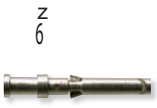
View from termination side

Female insert



Male insert



Description	Part no.	Part no.	Series MO 10 P 10 A / 250 V	g
Crimp contact carrier				
Contact carrier MO 10 for sleeve contacts *Please order crimp contacts and contacts for optical waveguide separately*	**771 010**		  	10 11
Contact carrier MO 10 for pin contacts *Please order crimp contacts and contacts for optical waveguide separately*	**771 110**		  	10 7
Contacts				
Sleeve contact D crimp-type solid, turned, weight per 100	silver-plated **720 506** **720 507** **720 508** **720 509** **720 502**	gold-plated 720 686 720 687 720 688 720 689 720 690	 z: 1 — 0.14 - 0.37 mm² — 26 - 22 AWG 2 — 0.5 mm² — 20 AWG 3 — 0.75 - 1 mm² — 19 - 18 AWG 4 — 1.5 mm² — 16 AWG 5 — 2.5 mm² — 14 AWG	100 65 68 70 72 62
Pin contact D crimp-type solid, turned, weight per 100, pin Ø 1.6 mm²	silver-plated **720 516** **720 517** **720 518** **720 519** **720 512**	gold-plated 720 691 720 692 720 693 720 694 720 695	 z: 1 — 0.14 - 0.37 mm² — 26 - 22 AWG 2 — 0.5 mm² — 20 AWG 3 — 0.75 - 1 mm² — 19 - 18 AWG 4 — 1.5 mm² — 16 AWG 5 — 2.5 mm² — 14 AWG	100 60 63 65 67 70
Sleeve contact Optical waveguide for POF, solid, turned, weight per 100	720 520		 POF* Ø 1 mm	100 89
Pin contact Optical waveguide for POF solid, turned, weight per 100	720 530		 POF* Ø 1 mm	100 74
Tools				
Removal tool for D contacts	**710 614**			1 7
Removal tool for contact carriers	**779 300**			1 30

Crimping tools see page 174
Tools and connection of glass fibre cables see page 172

Series MO 20-pole

Specifications

Number of poles
20

Termination method
Crimp

Contacts
stamped, copper alloy
gold-plated
Contact diameter 1.0 mm

Terminal cross section
0.09 - 0.5 mm² (28 - 20 AWG)

Rated current
max. 5 A, see derating diagrams

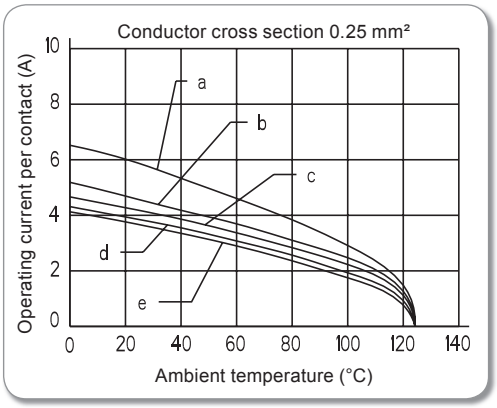
Rated voltage
63 V

Rated surge
4.0 kV

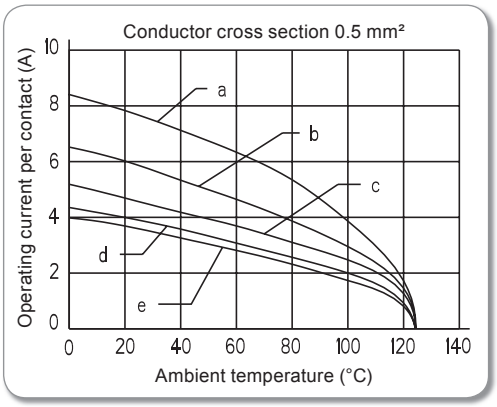
Test voltage
1.68 kV

Contact resistance
≤ 5 mΩ

The Derating-Diagram
(corrected current capacity curve) acc. to DIN IEC 60 512 applies to such kind of current which can (depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



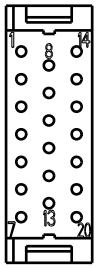
Curve	Poles	Retaining frame
a	20	MO B 6
b	40	MO B 6
c	60	MO B 10
d	100	MO B 16
e	140	MO B 24



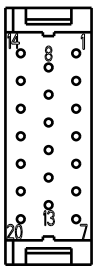
Contact arrangement

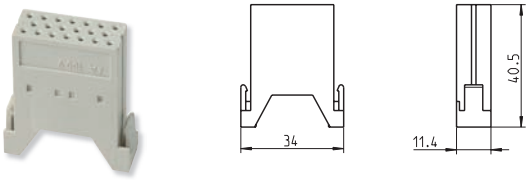
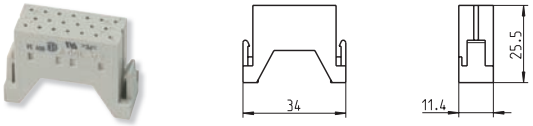
View from termination side

Female insert



Male insert



Description	Part no.		Series MO 20 P 5 A / 63 V			g
Crimp contact carrier						
Contact carrier MO 20 for sleeve contacts	**771 020**					10 6
Please order crimp contacts separately						
Contact carrier MO 20 for pin contacts	**771 120**					10 4
Please order crimp contacts separately						
Contacts						
				Terminal cross section		
Sleeve contact MO 20 crimp-type, stamped, single contact, weight per 100, - strip contacts on request -	gold-plated 773 000 773 001			0.09 - 0.25 mm²	28 - 24 AWG	100 45 45
				0.25 - 0.5 mm²	24 - 20 AWG	
Pin contact MO 20 crimp-type, stamped, single contact, weight per 100, - strip contacts on request - Pin Ø 1 mm²	gold-plated 773 100 773 101			0.09 - 0.25 mm²	28 - 24 AWG	100 45 45
				0.25 - 0.5 mm²	24 - 20 AWG	
Tools						
Removal tool for MO 20 contacts	**779 200**					1 20
Crimping tool for stamped MO 20 contacts	**779 500**					1 486
Removal tool for contact carriers	**779 300**					1 30

- Crimping tools and crimping machines for strip contacts on request -

► **Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151**

Series MO RJ45

Specifications

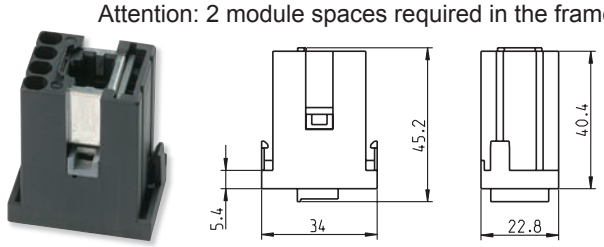
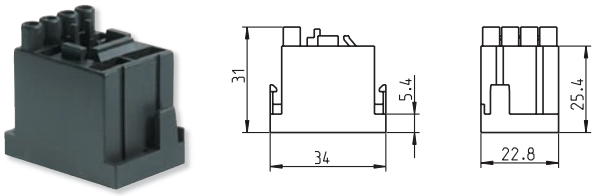
General characteristics	***value crimp contact***	***value RJ 45***
Number of poles	4	8
Termination method	crimping	plugging
Terminal cross section	0.14 - 2.5 mm²	
Flame class rating	V0	V0
Electrical data		
Rated voltage	400 V AC	125 V AC
Rated surge voltage	6.0 kV	1.8 kV
Voltage sustaining capability	3.51 kV	1.0 kV
Current-carrying capacity	13 A[1)]	1.5 A
Contact resistance	≤ 5 mΩ	≤ 20 mΩ
Insulation resistance	10^{10} Ω	5^{8} Ω
Climatic characteristics		
Upper category temperature	+ 100 °C / 1000 h	+ 80 °C / 1000 h
Lower category temperature		- 20 °C / 16 h
Mechanical characteristics		
Plugging and withdrawing force	15 - 20 N	max. 20 N
Mechanical operating life	≥ 500 mating cycles	≥ 500 mating cycles
Materials:		
Contact insert	PA 6.6 GF	
Colour	black	black
Contacts pin / sleeve	CuZn	CuSn
Contact surface	Ag (silver)	Au (gold)

1) 2 modules, 40 °C ambient temperature, 1.5 mm² terminal cross section

RJ modules

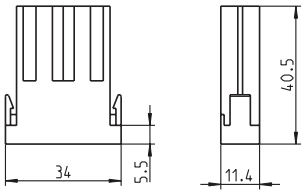
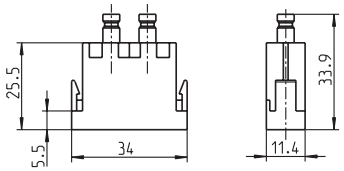
For the integration of standard RJ45 components

- Worldwide real-time access to machines and facilities
- Very easy wiring by using standard RJ45 components
- One connector for power, signals and data transmission
- 4 D crimp contacts additionally
- Time and cost savings due to active and passive components
- Homogeneous transmission protocol both in office and production area
- Achieves CAT 5 for ethernet acc. to ISO/IEC 11801

Description	Part no.	Part no.	Series MO RJ45 13 A / 400 V AC	g
RJ modules				
Female module *Please order crimp contacts and contacts for optical waveguide separately*	**775 000**		Attention: 2 module spaces required in the frame 	10 24.5
Male module *Please order crimp contacts, contacts for optical waveguide and pin contact RJ45 separately*	**775 100**			10 10.3
Contacts				
Sleeve contact D crimp-type solid, turned, weight per 100	silver-plated **720 506** **720 507** **720 508** **720 509** **720 502**	gold-plated 720 686 720 687 720 688 720 689 720 690	 z: 1 – 0.14 - 0.37 mm² – 26 - 22 AWG 2 – 0.5 mm² – 20 AWG 3 – 0.75 - 1 mm² – 19 - 18 AWG 4 – 1.5 mm² – 16 AWG 5 – 2.5 mm² – 14 AWG	100 65 68 70 72 62
Pin contact D crimp-type solid, turned, weight per 100, Pin Ø 1.6 mm²	silver-plated **720 516** **720 517** **720 518** **720 519** **720 512**	gold-plated 720 691 720 692 720 693 720 694 720 695	 z: 1 – 0.14 - 0.37 mm² – 26 - 22 AWG 2 – 0.5 mm² – 20 AWG 3 – 0.75 - 1 mm² – 19 - 18 AWG 4 – 1.5 mm² – 16 AWG 5 – 2.5 mm² – 14 AWG	100 60 63 65 67 70
Sleeve contact Optical waveguide for POF solid, turned, weight per 100	720 520		 POF* Ø 1 mm	100 89
Pin contact Optical waveguide for POF solid, turned, weight per 100	720 530		 POF* Ø 1 mm	100 74
Pin contact RJ45 crimp-type, Cat5	720 545		 24 - 26 AWG	10 8
Tools				
Removal tool for D contacts	**710 614**			1 7
Removal tool for contact carriers	**779 300**			1 30

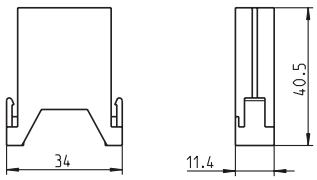
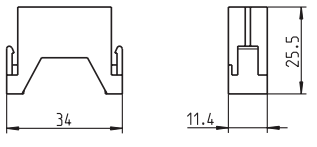
Crimping tools see page 174
Tools and connection of glass fibre cables see page 172

► **Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151**

Description	Part no.		Series MO 1P + 2P pneumatic	
				g
Pneumatic				
Pneumatic module Female insert with contacts	**771 001** **771 002** **771 004** **771 006**	1P hose Ø 2.5 mm 2P hose Ø 2.5 mm 1P hose Ø 4.0 mm 2P hose Ø 4.0 mm	  1 pole contact concentric	10 10 12 9 11
Pneumatic module Male insert with contacts	**771 101** **771 102** **771 104** **771 106**	1P hose Ø 2.5 mm 2P hose Ø 2.5 mm 1P hose Ø 4.0 mm 2P hose Ø 4.0 mm	  1 pole contact concentric	10 9 10 8 9

Specifications

Number of poles:	1 and 2
Material:	Glass fibre reinforced PA
Temperature range:	- 20 °C up to + 100 °C
Flame class rating:	V0 acc. to UL 94
Mechanical operating life:	5000 mating cycles
Connection technique:	Hose connection, only PTFE
Operating pressure:	8 bar
Switched path:	4.0 mm
Shut off:	unidirectional
Contacts (mounted):	Brass MS 58

Description	Part no.		Series MO 0	
				g
Blind module				
Blind module for **Female frame** without contact cavities	**771 000**		 	10 5
Blind module for **Male frame** without contact cavities	**771 100**		 	3
Use of blind modules: **- to fill gaps in retaining frames** **- as dummy for future upgrading**				
Tools				
Removal tool for contact carriers and blind modules	**779 300**			1 30

► **Matching housings see page 107 - 161 / screw-mountable hoods see page 145 - 151**