









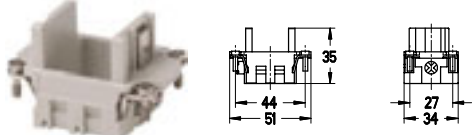
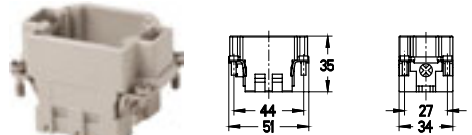
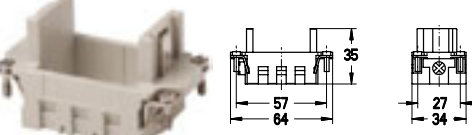
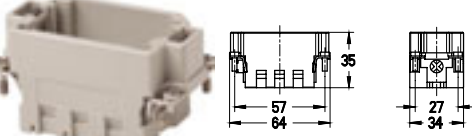
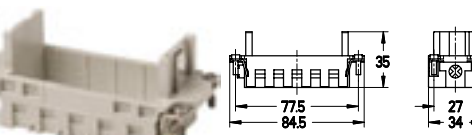
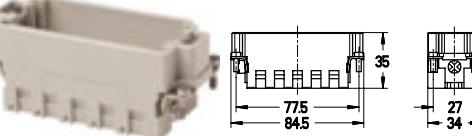
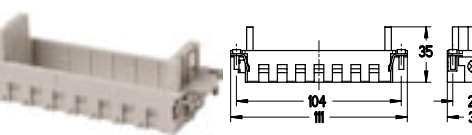
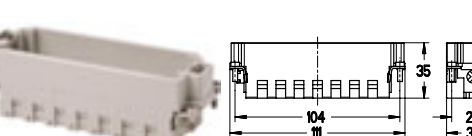


# Series MO

Specifications		Page	
<b>Regulations:</b>	DIN VDE 0627, DIN VDE 0110, DIN EN 61984		
<b>Approvals:</b>	UR, CSA, SEV		
<b>Number of poles:</b>	3 - 280 + PE		
<b>Electrical data:</b>			
See individual series.			
<b>Housings</b>			
Material:	Die-cast aluminium		
Surface:	Powder-coated		
Levers for double locking system:	Stainless steel		
Levers for single locking system:	Zinc-plated steel		
Housing seal:	NBR		
Temperature range:	- 40 °C up to + 125 °C		
Protection degree acc. to DIN EN 60 529 in closed position:	IP 65		
<b>Application hint:</b> Heavy duty connectors are electrical devices which under proper use - under load - should not be inserted or separated.			
		<b>Frames</b>	
		<b>MO B6 to MO B24</b>	69
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 3 pole coaxial</b>	70 - 71
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 3 pole</b>	72 - 73
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 3.1 pole</b>	74 - 75
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 4 pole + PE</b>	
		<b>MO 5.1 pole</b>	76 - 77
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 5 pole</b>	78 - 79
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 10 pole</b>	80 - 81
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>MO 20 pole</b>	82 - 83
		- short overview see page 102 - - matching housings s. page 103 - 157 -	
		<b>Blind module MO 0</b>	84
		- short overview see page 102 - - matching housings s. page 103 - 157 -	

Description	Part No.	Coding	Series MO B		EAN-No. 4015609...
<b>Frames</b>					
<b>Female frame MO B6</b> for 2 contact carriers for pin and sleeve contacts  mountable in housings series B6	<b>770 006</b>  770 406 (2 x PE)	A - B		<b>10</b> 29 31	173037  188765
<b>Male frame MO B6</b> for 2 contact carriers for pin and sleeve contacts  mountable in housings series B6	<b>770 106</b>  770 506 (2 x PE)	A - B		<b>10</b> 33 35	173044  188772
<b>Female frame MO B10</b> for 3 contact carriers for pin and sleeve contacts  mountable in housings series B10	<b>770 010</b>  770 410 (2 x PE)	A - C		<b>10</b> 33 35	173051  188789
<b>Male frame MO B10</b> for 3 contact carriers for pin and sleeve contacts  mountable in housings series B10	<b>770 110</b>  770 510 (2 x PE)	A - C		<b>10</b> 39 41	173068  188796
<b>Female frame MO B16</b> for 5 contact carriers for pin and sleeve contacts mountable in housings series B16  <b>with additional female frame</b> mountable in housings series B32	<b>770 016</b> 770 416 (2 x PE)  <b>770 216</b> 770 616 (2 x PE)	A - E  V - Z		<b>10</b> 33 35  33 35	173082 188802  188192 188826
<b>Male frame MO B16</b> for 5 contact carriers for pin and sleeve contacts mountable in housings series B16  <b>with additional male frame</b> mountable in housings series B32	<b>770 116</b> 770 516 (2 x PE)  <b>770 316</b> 770 716 (2 x PE)	A - E  V - Z		<b>10</b> 42 44  42 44	173075 188819  188239 188833
<b>Female frame MO B24</b> for 7 contact carriers for pin and sleeve contacts mountable in housings series B24  <b>with additional female frame</b> mountable in housings series B48	<b>770 024</b> 770 424 (2 x PE)  <b>770 224</b> 770 624 (2 x PE)	A - G  T - Z		<b>10</b> 40 42  40 42	173099 188840  188215 188864
<b>Male frame MO B24</b> for 7 contact carriers for pin and sleeve contacts mountable in housings series B24  <b>with additional male frame</b> mountable in housings series B48	<b>770 124</b> 770 524 (2 x PE)  <b>770 324</b> 770 724 (2 x PE)	A - G  T - Z		<b>10</b> 49 51  49 51	173105 188857  188246 188871

# Series MO 3 polig koax

## Specifications

**Number of poles**

3

**Termination methods**

crimp, solder type

**Contacts**

solid, drilled, copper alloy  
gold-plated  
Contact diameter 3,6 mm coaxial

**Rated voltage**

250 V

**Contact resistance**

≤ 5 mΩ

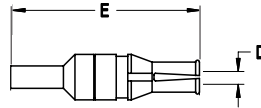
**Surge impedance**

50 Ω

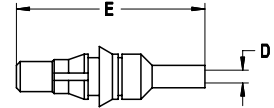
**Frequency range**

2 GHz

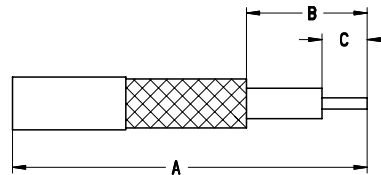
Sleeve



Pin



stripping/contact measurements



**Cable size**

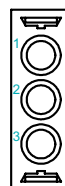
RG 174, 179, 316	A = 9,9 B = 3,6 C = 2	D = 1,7 E = 23,6	D = 1,7 E = 23,6
RG 58	A = 11,5 B = 3,6 C = 2	D = 3,2 E = 23,6	D = 3,2 E = 23,6

## Contact arrangement

B: Female insert  
S: Male insert


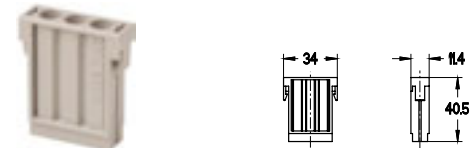
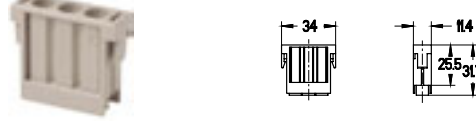





view from termination side

B



S



Description	Part No.		Series MO 3 P koax		EAN-No. 4015609...
<b>Crimp contact carriers</b>					
<b>Contact carrier MO 3 K</b> for sleeve contacts	<b>771 203</b>			10 8	187157
Please order crimp contacts separately					
<b>Contact carrier MO 3 K</b> for pin contacts	<b>771 303</b>			10 6	187164
Please order crimp contacts separately					
<b>Contacts</b>					
<b>Sleeve contacts MO 3 K</b> for crimp- or solder-type terminal for cable size RG 174, 179, 316	vergoldet  <b>772 400</b>  <b>772 410</b>			1 3 3	187188  188888
<b>Pins MO 3 K</b> for crimp- or solder-type terminal for cable size RG 174, 179, 316	vergoldet  <b>772 500</b>  <b>772 510</b>			1 3 3	187195  188895
<b>Tools</b>					
<b>Removal tool</b> for contacts MO 3	<b>779 000</b>			1 28	173136
<b>Crimping tool</b> for single contacts <b>Crimping dies</b> Cable size RG 174, 179, 316 Cable size RG 58	<b>779 700</b>  <b>779 710</b> <b>779 720</b>			1 420	188918  188925 188932
<b>Removal tool</b> for contact carriers	<b>779 300</b>			1 30	173440

# Series MO 3 pole

## Specifications

**Number of poles**

3

**Termination method**

crimp

**Contacts**

solid, drilled, copper alloy  
silver-plated  
Contact diameter 3,6 mm

**Conductor size**

1,5 - 10 mm<sup>2</sup> (16 - 8 AWG)

**Rated current**

max. 50 A, see derating diagram

**Rated voltage**

630 V

**Rated impulse voltage**

8,0 kV

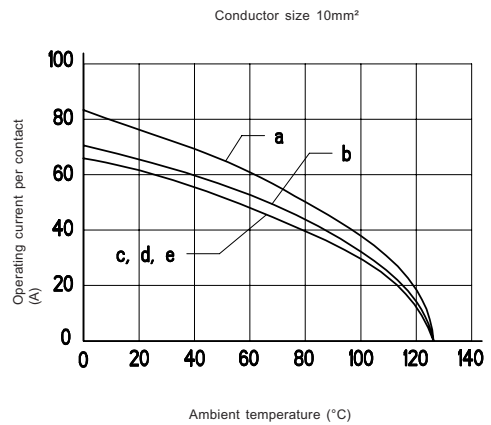
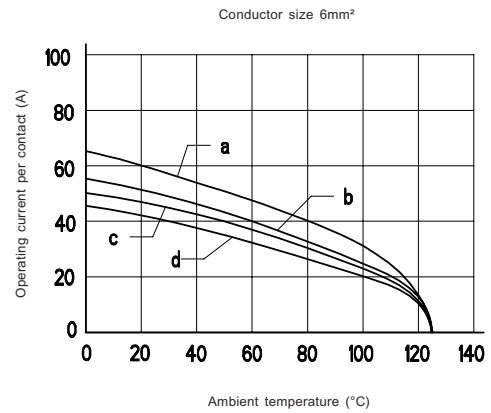
**Test voltage**

4 kV

**Contact resistance**

≤ 1 mΩ

The derating diagram (corrected current capacity curve) according to DIN/IEC 512 applies to such current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



Curve	No. of poles	Frames
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

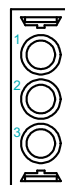
## Contact arrangement


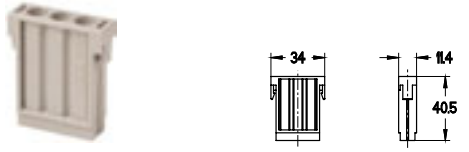
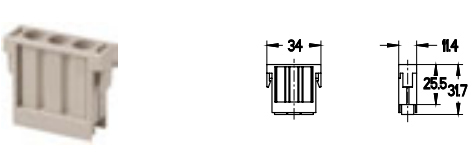





B: Female insert  
S: Male insert

view from termination side

B

S



Description	Part No.	Series MO <b>3 P</b> 50 A / 630 V		EAN-No. 4015609...
<b>Crimp contact carriers</b>				
<b>Contact carrier MO 3</b> for sleeve contacts  Please order crimp contacts separately	771 003		10 8	173112
<b>Contact carrier MO 3</b> for pin contact  Please order crimp contacts separately	771 103		10 6	173129
<b>Contacts</b>				
<b>Sleeve contacts MO 3</b> crimp-type weight per 100	silver-plated 772 030 772 040 772 050 772 060 772 070	conductor size   1,5 mm <sup>2</sup> 16 AWG 2,5 mm <sup>2</sup> 14 AWG 4 mm <sup>2</sup> 12 AWG 6 mm <sup>2</sup> 10 AWG 10 mm <sup>2</sup> 8 AWG	100 300 300 300 300 300	188949 188956 173204 173211 173228
<b>Pin contacts MO 3</b> crimp-type weight per 100	silver-plated 772 130 772 140 772 150 772 160 772 170	 1,5 mm <sup>2</sup> 16 AWG 2,5 mm <sup>2</sup> 14 AWG 4 mm <sup>2</sup> 12 AWG 6 mm <sup>2</sup> 10 AWG 10 mm <sup>2</sup> 8 AWG	100 300 300 300 300 300	188963 188970 173235 173242 173259
<b>Tools</b>				
<b>Removal tool</b> for contacts MO 3	779 000		1 28	173136
<b>Crimping tool</b> for drilled contacts 1,5 - 10 mm <sup>2</sup> 4 indent	779 400		1 420	173143
<b>Removal tool</b> for contact carriers	779 300		1 30	173440

## Series MO 3.1 pole

### Specifications

All contacts 2 mm preleading to other contact carriers

**Number of poles**

3

**Termination method**

crimp

**Contacts**

solid, drilled, copper alloy  
silver-plated  
contact diameter 3,6 mm

**Conductor size**

1,5 - 10 mm<sup>2</sup> (16 - 8 AWG)

**Rated current**

max. 50 A, see derating diagram

**Rated voltage**

1000 V

**Rated impulse voltage**

8,0 kV

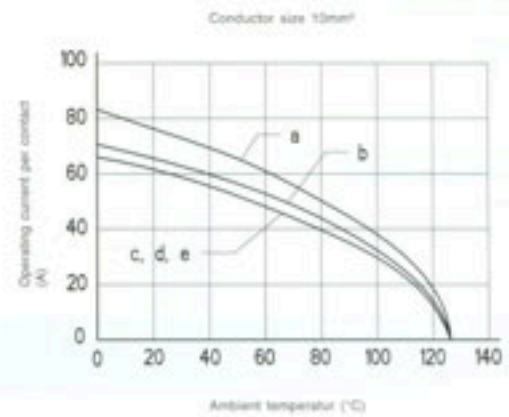
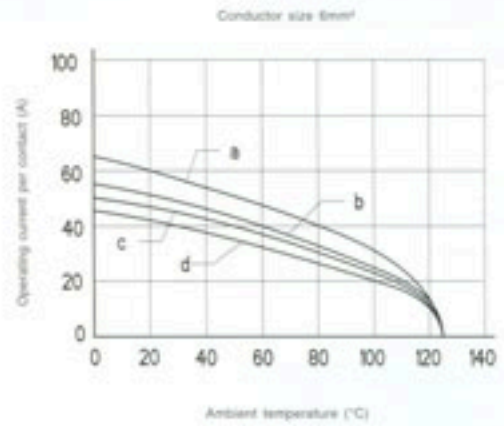
**Test voltage**

5,7 kV

**Contact resistance**

≤ 1 mΩ

The derating diagram (corrected current capacity curve) according to DIN/IEC 512 applies to such current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.




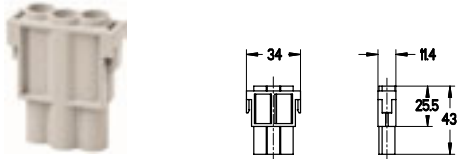
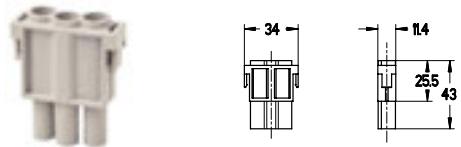





Curve	No. of poles	Frames
a	3	MO B 6
b	6	MO B 6
c	9	MO B 10
d	15	MO B 16
e	21	MO B 24

### Contact arrangement

B: Female insert  
S: Male insert

view from termination side



Description	Part No.	Series MO 3.1 P 50 A / 1000 V		EAN-No. 4015609...
<b>Crimp contact carriers</b>				
<b>Contact carrier MO 3.1</b> for sleeve contacts  Please order crimp contacts separately	771 403		10 6	188987
<b>Contact carrier MO 3.1</b> for pin contacts  Please order crimp contacts separately	771 503		10 7	188994
<b>Contacts</b>				
<b>Sleeve contacts MO 3</b> crimp-type weight per 100	silver-plated 772 030 772 040 772 050 772 060 772 070	conductor size   1,5 mm <sup>2</sup> 16 AWG 2,5 mm <sup>2</sup> 14 AWG 4 mm <sup>2</sup> 12 AWG 6 mm <sup>2</sup> 10 AWG 10 mm <sup>2</sup> 8 AWG	100 300 300 300 300 300	188949 188956 173204 173211 173228
<b>Pin contacts MO 3</b> crimp-type weight per 100	silver-plated 772 130 772 140 772 150 772 160 772 170	 1,5 mm <sup>2</sup> 16 AWG 2,5 mm <sup>2</sup> 14 AWG 4 mm <sup>2</sup> 12 AWG 6 mm <sup>2</sup> 10 AWG 10 mm <sup>2</sup> 8 AWG	100 300 300 300 300 300	188963 188970 173235 173242 173259
<b>Tools</b>				
<b>Removal tool</b> for contacts MO 3	779 000		1 28	173136
<b>Crimping tool</b> for drilled contacts 1,5 - 10 mm <sup>2</sup> 4 indent	779 400		1 420	173143
<b>Removal tool</b> for contact carrier	779 300		1 30	173440



## Series MO 4 polig + PE /5.1 poe

### Specifications

At the pin contact carrier MO 4 P + PE the protective earthing contact is 2 mm preloading

**Number of poles**

4 + ⊕  
5

**Termination method**

crimp

**Contacts**

stamped, copper alloy  
silver-plated  
contact diameter 2,5 mm

**Conductor size**

0,5 - 4 mm<sup>2</sup> (20 - 12 AWG)

**Rated current**

max. 16 A, see derating diagram

**Rated voltage**

1000 V

**Rated impulse voltage**

8,0 kV

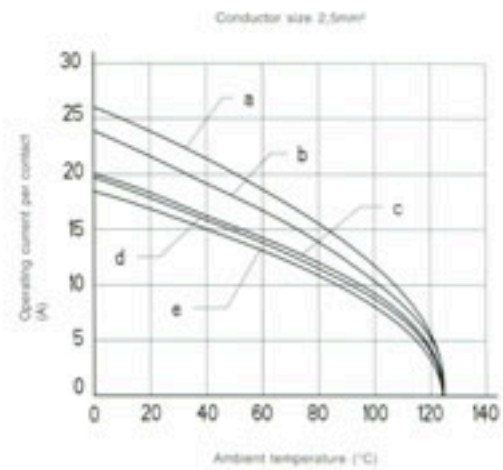
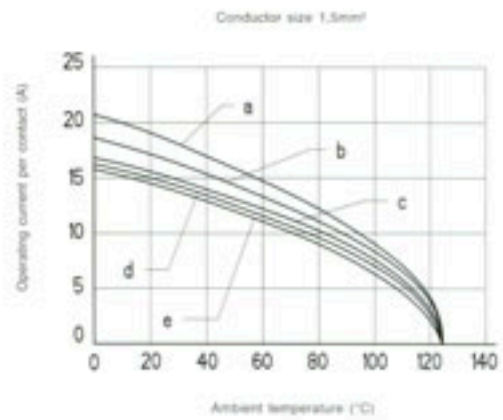
**Test voltage**

5,7 kV

**Contact resistance**

≤ 5 mΩ

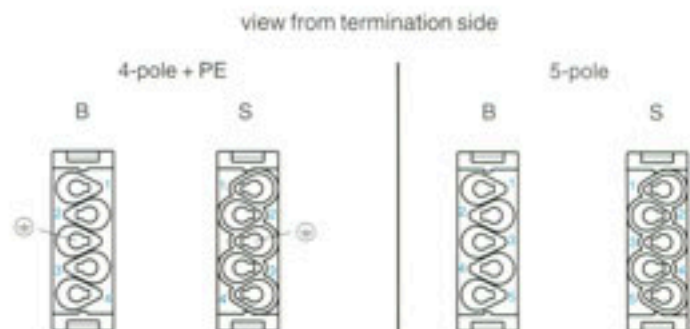
The derating diagram (corrected current capacity curve) according to DIN/IEC 512 applies to such current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.


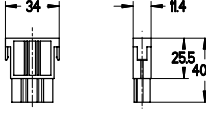

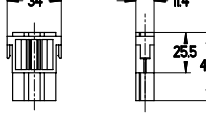

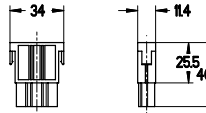

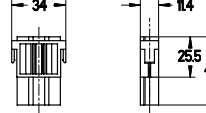







Curve	No. of poles	Frames
a	3	MO B 6
b	6	MO B 6
c	9	MO B 10
d	15	MO B 16
e	21	MO B 24

### Contact arrangement

B: Female insert  
S: Male insert



Description	Part No.		<b>Series MO</b> <b>4 P + ⊕ / 5.1 P</b> 16 A / 1000 V	  9	EAN-No. 4015609...
<b>Crimp contact carriers</b>					
<b>Contact carrier MO 4 + PE</b> for sleeve contacts	<b>771 610</b>		 	<b>10</b> 6	189052
Please order crimp contacts separately					
<b>Contact carrier MO 4 + PE</b> for pin contacts protective earthing contact 2 mm preleading	<b>771 710</b>		 	<b>10</b> 7	189069
Please order crimp contacts separately					
<b>Crimp contact carriers</b>					
<b>Contact carrier MO 5.1</b> for sleeve contacts	<b>771 620</b>		 	<b>10</b> 6	189076
Please order crimp contacts separately					
<b>Contact carrier MO 5.1</b> for pin contacts	<b>771 720</b>		 	<b>10</b> 7	189083
Please order crimp contacts separately					
<b>Contacts</b>			conductor size		
<b>Sleeve contacts MO 5.1</b> crimp-type, stamped single contact	silver-plated  <b>773 200</b> <b>773 230</b> <b>773 260</b>		 0,5 - 1,5 mm <sup>2</sup> 20 - 16 AWG 1,5 - 2,5 mm <sup>2</sup> 16 - 14 AWG 2,5 - 4 mm <sup>2</sup> 12 AWG	<b>100</b> 30 30 30	189090 189106 189113
weight per 100 contacts on reel on request					
<b>Pin contacts MO 5.1</b> crimp-type, stamped single contact	silver-plated  <b>773 300</b> <b>773 330</b> <b>773 360</b>		 0,5 - 1,5 mm <sup>2</sup> 20 - 16 AWG 1,5 - 2,5 mm <sup>2</sup> 16 - 14 AWG 2,5 - 4 mm <sup>2</sup> 12 AWG	<b>100</b> 60 60 60	189120 189199 189137
weight per 100 contacts on reel on request					
<b>Tools</b>			(Crimping tools and machines for contacts on reel on request)		
<b>Removal tool</b> for contacts MO 5.1	<b>779 800</b>			<b>1</b> 26	189144
<b>Crimping tools</b> for single contacts <b>crimping dies</b> <b>contact locators</b>			 Conductor size 0,5 - 1,5mm <sup>2</sup> 1,5 - 2,5mm <sup>2</sup> 0,5 - 1,5mm <sup>2</sup> 1,5 - 2,5mm <sup>2</sup>	<b>1</b> 420	188918 189151 189168 189175 189182
weight per 100 contacts on reel on request					
<b>Removal tool</b> for contact carriers	<b>779 300</b>			<b>1</b> 30	173440

## Module MO 5 pole

### Specifications

**Number of poles**

5

**Termination method**

crimp

**Contacts**

solid, drilled, copper alloy  
silver-plated  
contact diameter 2,5 mm

**Conductor size**

0,5 - 4 mm<sup>2</sup> (20 - 12 AWG)

**Rated current**

max. 20 A, see derating diagram

**Rated voltage**

400 V

**Rated impulse voltage**

6,0 kV

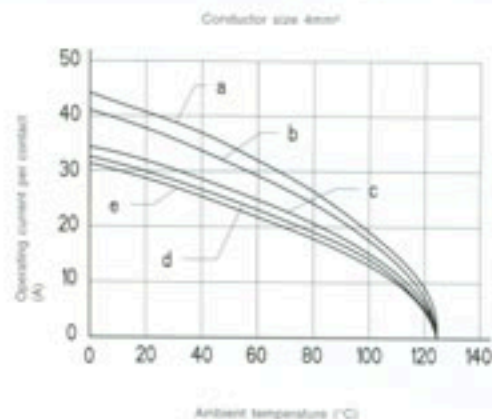
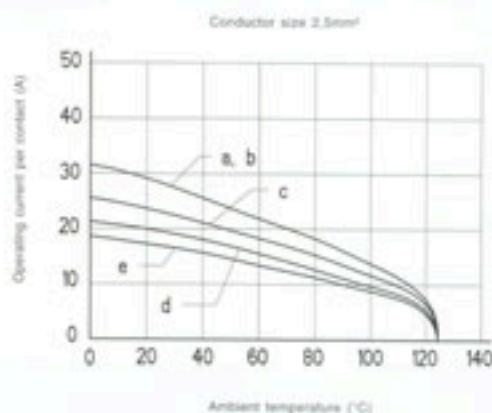
**Test voltage**

3,5 kV

**Contact resistance**

≤ 2 mΩ

The derating diagram (corrected current capacity curve) according to DIN/IEC 512 applies to such current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.






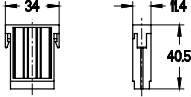

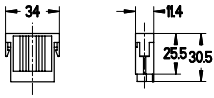





Curve	No. of poles	Frames
a	5	MO B 6
b	10	MO B 6
c	15	MO B 10
d	25	MO B 16
e	35	MO B 24

### Contact arrangement

B: Female insert  
S: Male insert

view from termination side



Description	Part No.	Series MO <b>5 P</b> 20 A / 400 V	 	EAN-No. 4015609...										
<b>Crimp contact carriers</b>														
<b>Contact carrier MO 5</b> for sleeve contacts  Please order crimp contacts separately	771 005	 	10 8	173150										
<b>Contact carrier MO 5</b> for pin contacts  Please order crimp contacts separately	771 105	 	10 6	173167										
<b>Contacts</b>														
<b>Sleeve contact MO 5</b> crimp-type weight per 100	silver-plated 772 210 772 220 772 230 772 240 772 250	 <p style="text-align: right;">conductor size</p> <table border="0"> <tr><td>0,5 mm<sup>2</sup></td><td>20 AWG</td></tr> <tr><td>0,75 - 1 mm<sup>2</sup></td><td>19 - 18 AWG</td></tr> <tr><td>1,5 mm<sup>2</sup></td><td>16 AWG</td></tr> <tr><td>2,5 mm<sup>2</sup></td><td>14 - 12 AWG</td></tr> <tr><td>4 mm<sup>2</sup></td><td>12 AWG</td></tr> </table>	0,5 mm <sup>2</sup>	20 AWG	0,75 - 1 mm <sup>2</sup>	19 - 18 AWG	1,5 mm <sup>2</sup>	16 AWG	2,5 mm <sup>2</sup>	14 - 12 AWG	4 mm <sup>2</sup>	12 AWG	100 152 163 170 200 240	173266 173273 173280 173297 173303
0,5 mm <sup>2</sup>	20 AWG													
0,75 - 1 mm <sup>2</sup>	19 - 18 AWG													
1,5 mm <sup>2</sup>	16 AWG													
2,5 mm <sup>2</sup>	14 - 12 AWG													
4 mm <sup>2</sup>	12 AWG													
<b>Pin contact MO 5</b> crimp-type weight per 100	silver-plated 772 310 772 320 772 330 772 340 772 350	 <p style="text-align: right;">conductor size</p> <table border="0"> <tr><td>0,5 mm<sup>2</sup></td><td>20 AWG</td></tr> <tr><td>0,75 - 1 mm<sup>2</sup></td><td>19 - 18 AWG</td></tr> <tr><td>1,5 mm<sup>2</sup></td><td>16 AWG</td></tr> <tr><td>2,5 mm<sup>2</sup></td><td>14 - 12 AWG</td></tr> <tr><td>4 mm<sup>2</sup></td><td>12 AWG</td></tr> </table>	0,5 mm <sup>2</sup>	20 AWG	0,75 - 1 mm <sup>2</sup>	19 - 18 AWG	1,5 mm <sup>2</sup>	16 AWG	2,5 mm <sup>2</sup>	14 - 12 AWG	4 mm <sup>2</sup>	12 AWG	100 58 65 70 100 140	173310 173327 173334 173341 173358
0,5 mm <sup>2</sup>	20 AWG													
0,75 - 1 mm <sup>2</sup>	19 - 18 AWG													
1,5 mm <sup>2</sup>	16 AWG													
2,5 mm <sup>2</sup>	14 - 12 AWG													
4 mm <sup>2</sup>	12 AWG													
<b>Tools</b>														
<b>Removal tool</b> for contacts MO 5	779 100		1 26	173174										
<b>Crimping tool</b> for single contacts <b>crimping dies</b>  <b>contact locators</b>	779 700 779 750 779 760 774 030 774 040	 <p style="text-align: right;">conductor size</p> <table border="0"> <tr><td>0,5 - 2,5mm<sup>2</sup></td></tr> <tr><td>4mm<sup>2</sup></td></tr> <tr><td>0,5 - 2,5mm<sup>2</sup></td></tr> <tr><td>4mm<sup>2</sup></td></tr> </table>	0,5 - 2,5mm <sup>2</sup>	4mm <sup>2</sup>	0,5 - 2,5mm <sup>2</sup>	4mm <sup>2</sup>	1 420	188918 189038 189045 189007 189014						
0,5 - 2,5mm <sup>2</sup>														
4mm <sup>2</sup>														
0,5 - 2,5mm <sup>2</sup>														
4mm <sup>2</sup>														
<b>Removal tool</b> for contact carrier	779 300		1 30	173440										

# Series MO 10 pole

## Specifications

**Number of poles**

10

**Termination method**

crimp  
glass fibre cable

**Contacts**

solid, drilled, copper alloy  
silver-plated  
contact diameter 1,6 mm

**Conductor size**

0,14 - 2,5 mm<sup>2</sup> (26 - 14 AWG)

**Rated current**

max. 10 A, see derating diagram

**Rated voltage**

250 V

**Rated impulse voltage**

4,0 kV

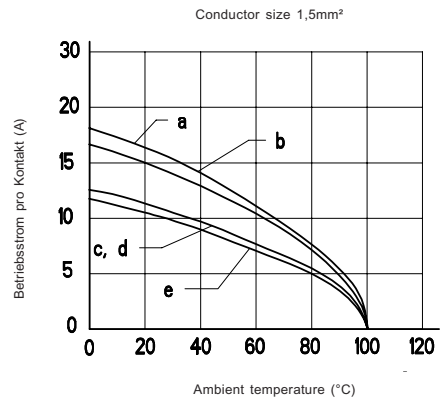
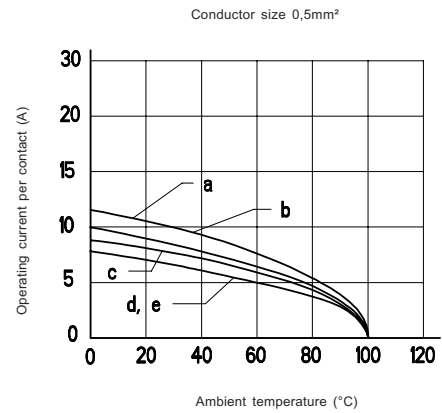
**Test voltage**

2,2 kV

**Contact resistance**

≤ 3 mΩ

The derating diagram (corrected current capacity curve) according to DIN/IEC 512 applies to such current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



Curve	No. of poles	Frames
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

B: Female insert  
S: Male insert

view from termination side

B

S



Description	Part No.		Series MO	10 P	10 A / 250 V		EAN-No. 4015609...	
<b>Crimp contact carriers</b>								
<b>Contact carrier MO 10</b> for sleeve contacts	<b>771 010</b>					10 11	173181	
Please order crimp contacts and contacts for glass fibre cables separately								
<b>Contact carrier MO 10</b> for pin contacts	<b>771 110</b>					10 7	173198	
Please order crimp contacts and contacts for glass fibre cables separately								
<b>Contacts</b>								
<b>Sleeve contacts D</b>	silver-plated	gold-plated		z	conductor size marked by z			
crimp-type	<b>720 506</b>	720 686		1	0,14 - 0,37 mm <sup>2</sup>	26 - 22 AWG	100 65	<b>031603</b>
solid, drilled	<b>720 507</b>	720 687		2	0,5 mm <sup>2</sup>	20 AWG	68	<b>031610</b>
weight per 100	<b>720 508</b>	720 688		3	0,75 - 1 mm <sup>2</sup>	19 - 18 AWG	70	<b>031627</b>
	<b>720 509</b>	720 689		4	1,5 mm <sup>2</sup>	16 AWG	72	<b>031634</b>
	<b>720 502</b>	720 690		5	2,5 mm <sup>2</sup>	14 AWG	62	<b>031573</b>
<b>Pin contacts D</b>	silver-plated	gold-plated						
crimp-type	<b>720 516</b>	720 691		1	0,14 - 0,37 mm <sup>2</sup>	26 - 22 AWG	100 60	<b>031672</b>
solid, drilled	<b>720 517</b>	720 692		2	0,5 mm <sup>2</sup>	20 AWG	63	<b>031689</b>
weight per 100	<b>720 518</b>	720 693		3	0,75 - 1 mm <sup>2</sup>	19 - 18 AWG	65	<b>031696</b>
	<b>720 519</b>	720 694		4	1,5 mm <sup>2</sup>	16 AWG	67	<b>031702</b>
	<b>720 512</b>	720 695		5	2,5 mm <sup>2</sup>	14 AWG	70	<b>031641</b>
<b>Sleeve contacts</b>								
glass fibre cable for plastic fibre	720 520				POF* Ø 1 mm		100 89	157839
solid, drilled								
weight per 100								
<b>Pin contact</b>								
glass fibre cable for plastic fibre	720 530				POF* Ø 1 mm		100 74	157846
solid, drilled								
weight per 100								
<b>Tools</b>								
<b>Removal tool</b> for contacts D	<b>710 614</b>					1 7	028016	
<b>Removal tool</b> for contact carriers	<b>779 300</b>					1 30	173440	

Crimping tools see page 168

For tools and connection of glass fibre cables see page 166 - 167



# Series MO 20 pole

## Specifications

**Number of poles**

20

**Termination method**

Crimp

**Contacts**

stamped, copper alloy  
gold-plated  
contact diameter 1,0 mm

**Conductor size**

0,09 - 0,5 mm<sup>2</sup> (28 - 20 AWG)

**Rated current**

max. 5 A, see derating diagram

**Rated voltage**

63 V

**Rated impulse voltage**

4,0 kV

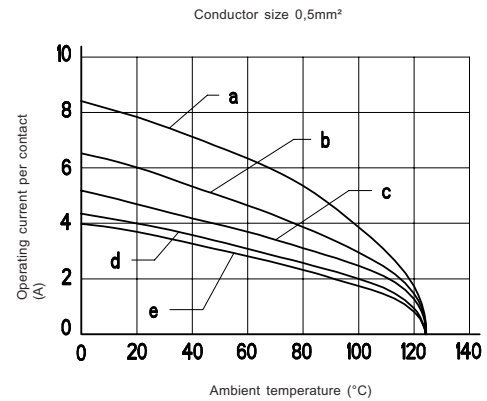
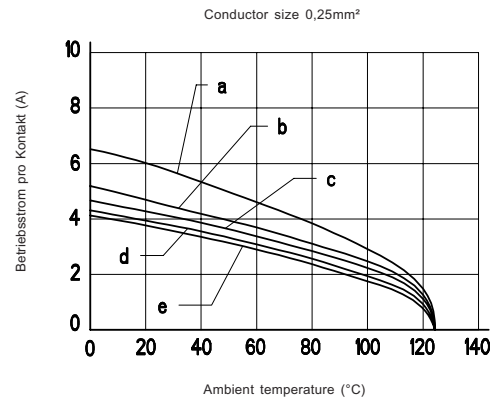
**Test voltage**

1,68 kV

**Contact resistance**

≤ 5 mΩ

The derating diagram (corrected current capacity curve) according to DIN/IEC 512 applies to such current which can - depending on ambient temperature and conductor size) circulate through each contact without exceeding the upper limiting temperature.



Curve	No. of poles	Frames
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

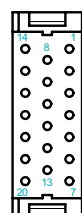
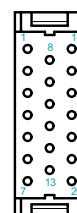
## Contact arrangement




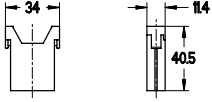






B: Female insert  
S: Male insert

view from termination side

B

S






Description	Part No.	Series MO 20 P 5 A / 63 V	 	EAN-No. 4015609...
<b>Crimp contact carrier</b>				
<b>Contact carrier MO 20</b> for sleeves	771 020	 	10 6	173365
Please order crimp contacts separately				
<b>Contact carrier MO 20</b> for pin contact contacts	771 120	 	10 4	173372
Please order crimp contacts separately				
<b>Contacts</b>				
<b>Sleeve contacts MO 20</b> crimp type stamped single contact weight per 100 contacts on reel on request	gold-plated 773 000  773 001	conductor size  0,09 - 0,25 mm <sup>2</sup> 28 - 24 AWG 0,25 - 0,5 mm <sup>2</sup> 24 - 20 AWG	100 45 45	173389 173396
<b>Pin contacts MO 20</b> crimp-type stamped single contact weight per 100 contacts on reel on request	gold-plated 773 100  773 101	 0,09 - 0,25 mm <sup>2</sup> 28 - 24 AWG 0,25 - 0,5 mm <sup>2</sup> 24 - 20 AWG	100 45 45	173402 173419
<b>Tools</b>				
<b>Removal tool</b> for contacts MO 20	779 200		1 20	173426
<b>Crimping tool</b> for stamped contacts MO 20	779 500		1 486	173433
<b>Removal tool</b> for contact carriers	779 300		1 30	173440

6

Crimping tools and crimping machines for contacts on reel on request.



Description	Part No.	Series MO 0		 	EAN-No. 4015609...	
<b>Blind module</b>						
<b>Blind module for female frame</b> without contact chambers	771 000				10 5	187133
<b>Blind module for male frame</b> without contact chambers	771 100				10 3	187140
<b>Use of blind modules</b>						
- to fill a gap in a frame - as dummy for future up-grading						
<b>Tools</b>						
<b>Removal tool</b> for contact carrier and blind module	779 300				1 30	173440