

Catalogue  
EN

2022

UNIGASKET

NNOVERCO

Circular Connectors for Industrial Automation



## OVERBOX CONNECTIONS SOLUTIONS FOR GROUP VALVE

TOP MOUNTING WITH NO CONNECTORS



SIDE MOUNTING WITH DUAL DIN CONNECTORS



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## ORDERING SYSTEM

The article number is made up of three groups of Numbers



How do you get to your ordering number ? It's just 3 easy steps:

### 1 Form

- The correct form is j12074
- M12 male 90° to M12 female 90° 4 pole

### 2 Cable type / Jacket color

The right cable for your application in your requested jacket color:

241

- PUR Cable

### 3 Cable length

: 2 \* The required cable length, e.g. 2 m 0200

- 2 \* cable length

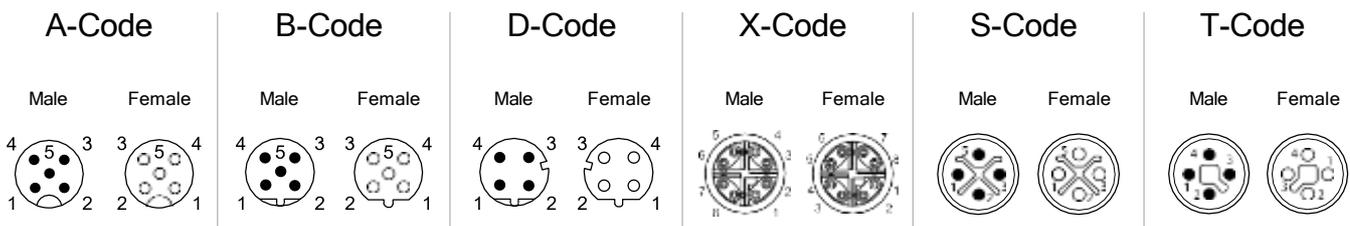
Your article number

Adds up to the following:

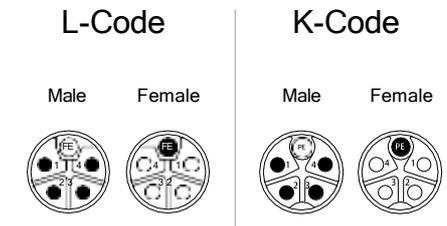
**J12074 - 241 - 0200**

**1 2 3**

### M12 Plug Code definition



### M12 Plug Code definition

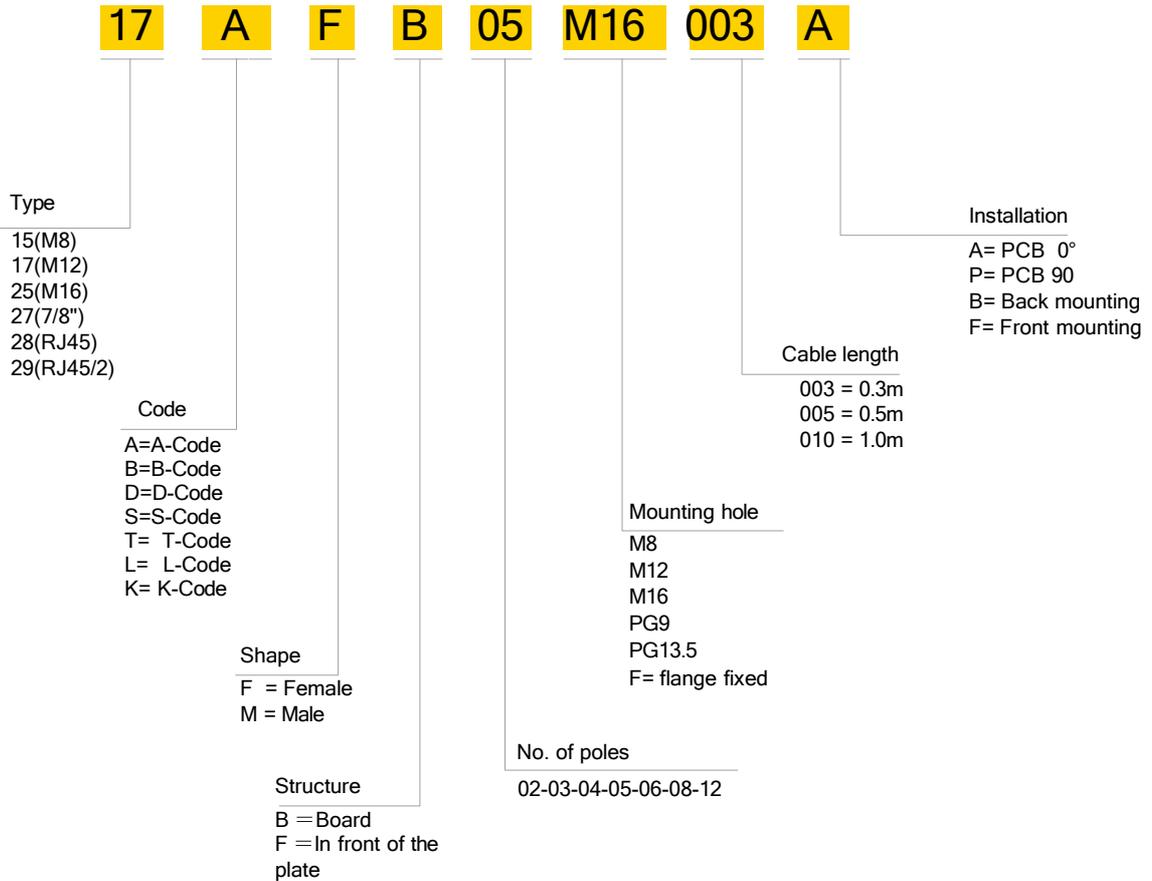


The resulting article number also is the ordering number for your round plug connector. If you also need 0.5 m, 1.8 m or 2.5 m length of this part you just adjust the last 4 digits of the article number. Unit:cm

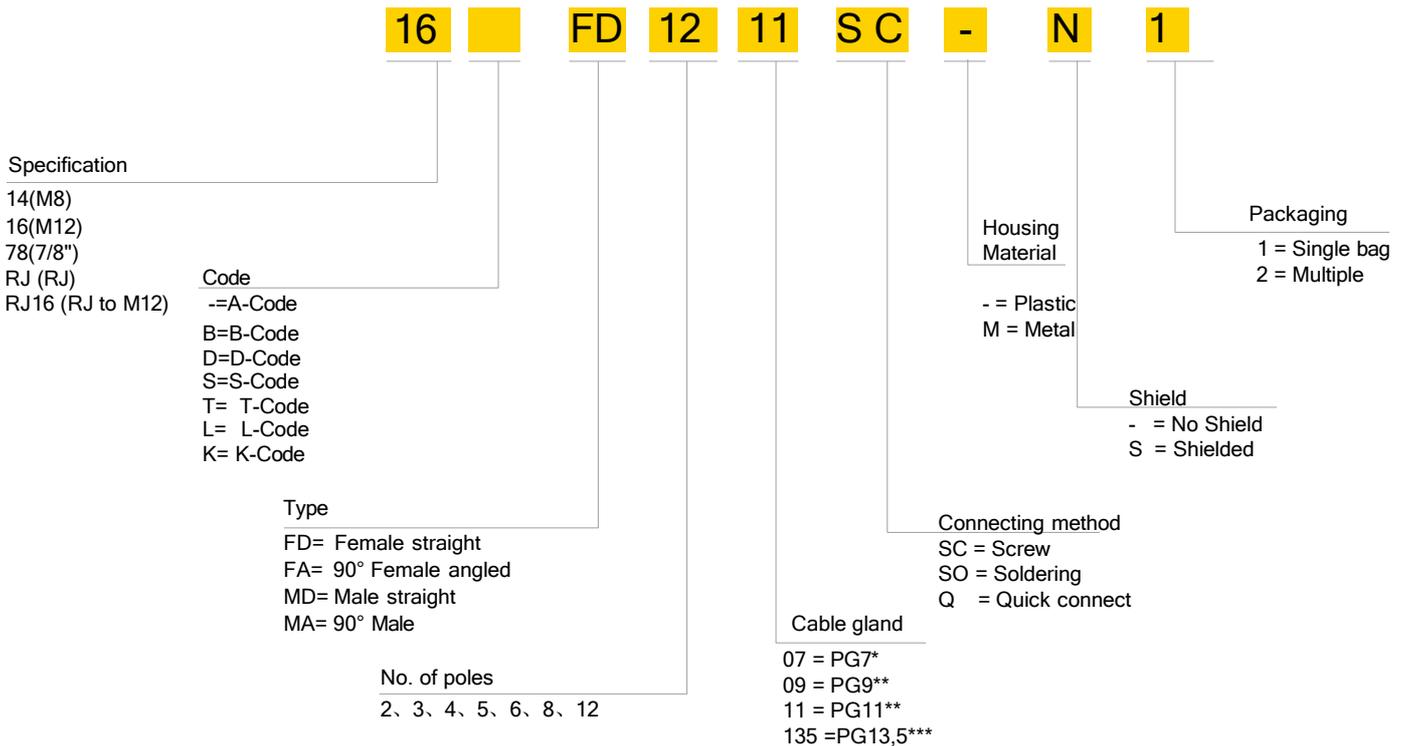


# CONNECTORS DEFINITION FORM

## Panel installed connectors



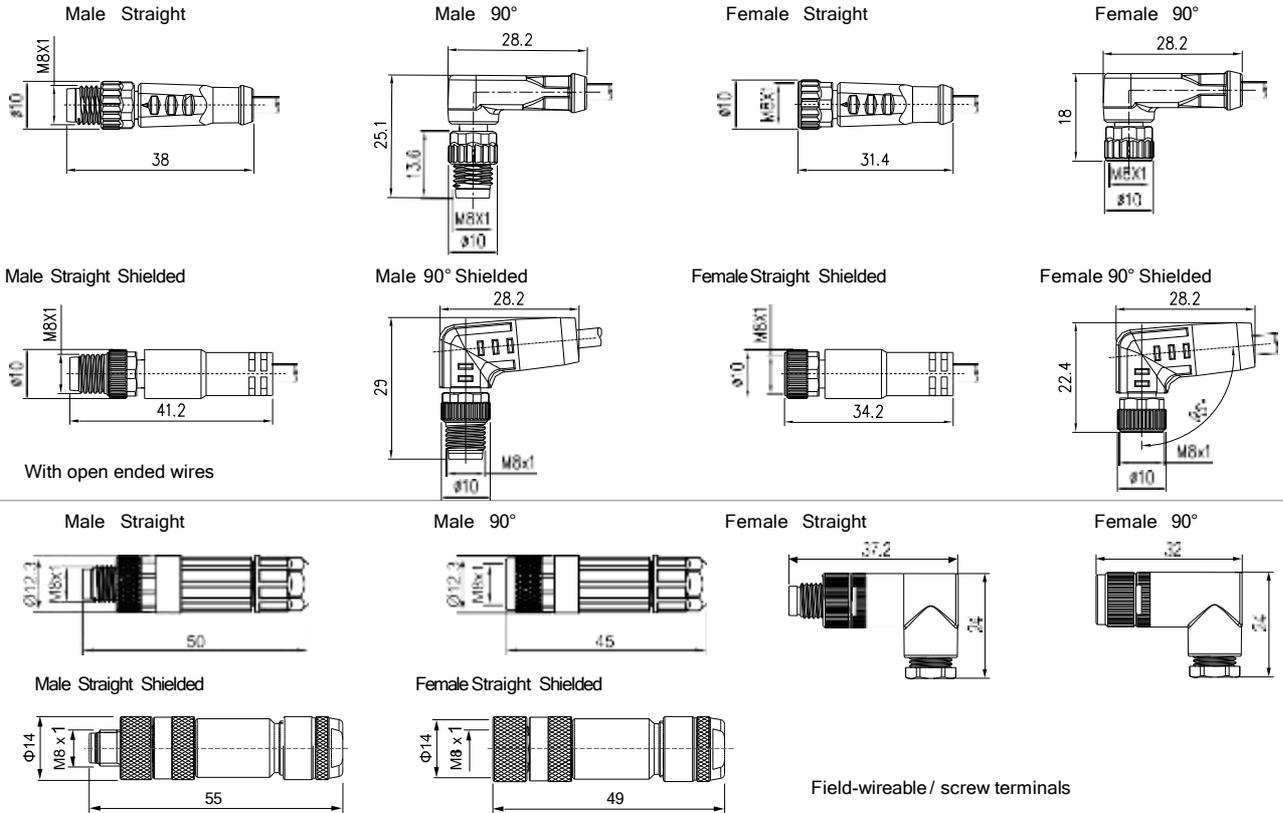
## Field wireable connectors



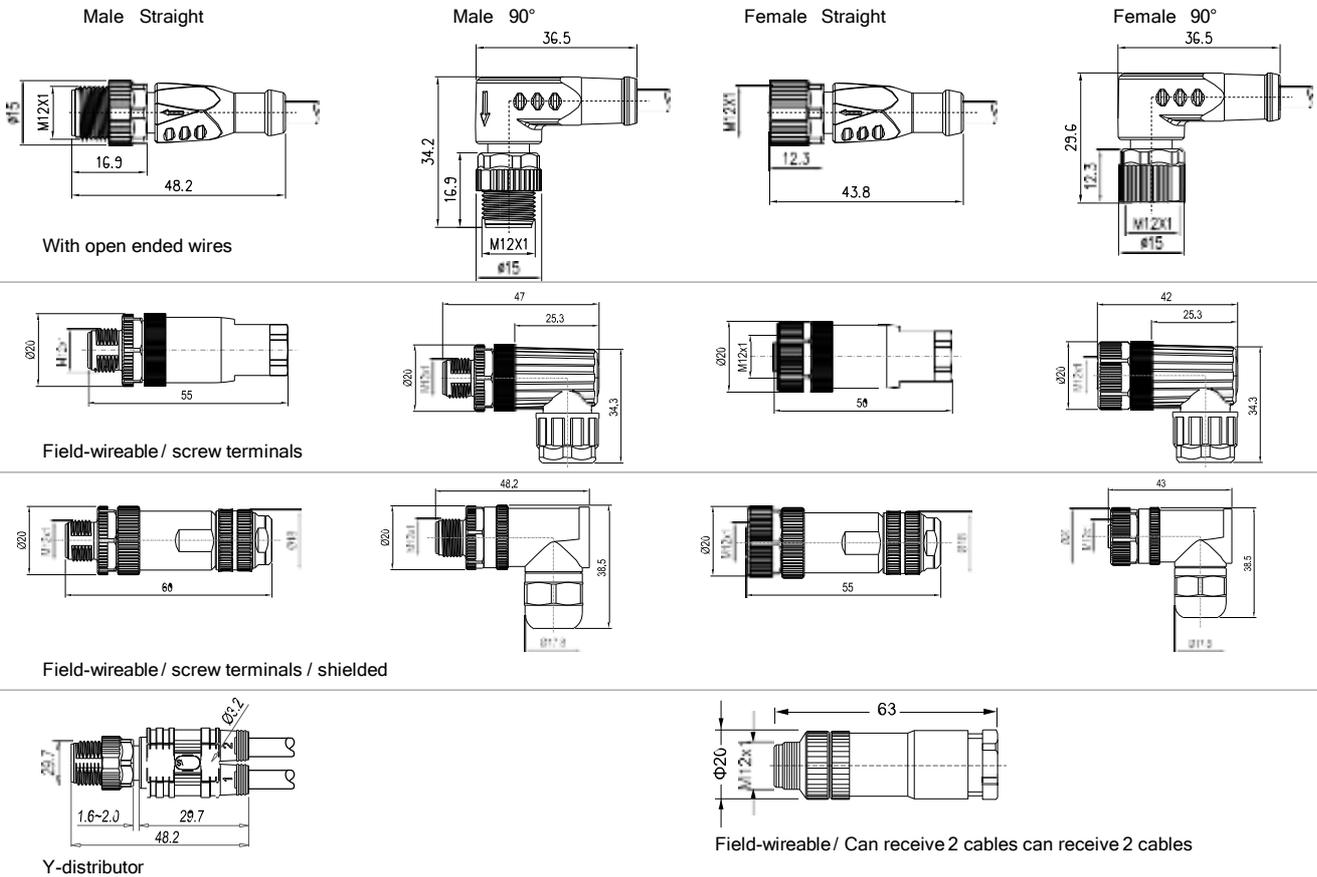
\* = M8 only \*\* = M12 only \*\*\* M12 only

## M8 CONNECTORS-TECHNICAL DATA

### M8 Round plug connector straight / 90°



### M12 Round plug connector straight / 90°



# M8 CONNECTORS PRODUCTS OVERVIEW

## Field-wireable



Male  
Female

- Straight / 90°
- Straight / 90°



Male (shielded)  
Female (shielded)

- Straight
- Straight

## With open ended wires



Male  
Female

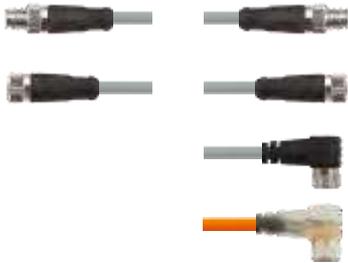
- Straight
- 90°
- 90° with LED



Male  
Female

- Straight
- 90°

## Connection cable

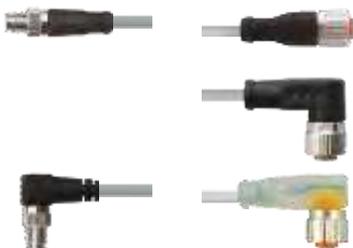


Male  
Female

- Straight
- Straight

Male  
Female

- Straight
- Straight
- 90°
- 90° with LED



M8 Round plug connector  
Male

- Straight
- 90°

M12 Round plug connector  
Male  
Female

- Straight
- Straight
- 90°
- 90° with LED

## M8 Panel installed connectors



Rear or front mounting type  
Male  
Female  
Flange installation

- Straight
- Straight

## M8 CONNECTORS

※ Recommended Products

Field-wireable  
Quick connect

Male  
Straight

Female  
Straight

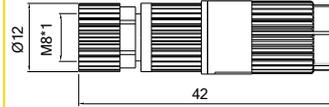
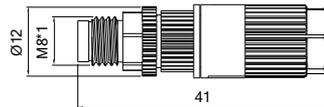
Operate time save 60%



1	Form	No.	14MD0307Q	14FD0307Q	14FD0307FDQ
	Suppression		3-pole	3-pole	3-pole
	Cable outlet diameter		0.14...0.34 mm <sup>2</sup>		
	Contact layout		<p>Male</p>	<p>Female</p>	<p>Female</p>

2	Technical data	
	Supply voltage	max. 32 V AC/DC
	Current per contact	max. 4A
	Connecting wire diameter	0.14...0.34 mm <sup>2</sup> 针 ( min. 0.1 mm )
	Port dimension	M8 × 1 mm ( 0.4 Nm )
	Crimping wire diameter	Φ2.5...5.1 mm
	Wire insulation	PVC, PP, TPE
	Wire outer diameter	1.0...1.6 mm
	Protection class Protection	IP67- ( EN 60529 )
	reconnect (cable)	10
	Temperature range	-25...+85°C

### Description



### Installation Notes



1) Remove the cable jacket, the length is approx. 18



2) Choose different styles according to the size of the cable washer



3) Cable through tail body, gasket, stripped A single thread passes through the shaped colloid



4) Use wire cutters to trim the leaking cables and level them. After the assembled semi-finished product, align the front end part and rotate the tail end body to combine the two.

### 1 Form

Notes

## M8 CONNECTORS

Field-wireable	Male Straight		Female Straight	
Screw terminals				

<b>1</b> Form	No.	14MD0307SC	14MD0407SC	14FD0307SC	14FD0407SC
	Suppression	3-pole	4-pole	3-pole	4-pole
90° Form	Male 90°			Female 90°	
	No.	14MA0307SC	14MA0407SC	14FA0307SC	14FA0407SC
Suppression		3-pole	4-pole	3-pole	4-pole
Circuit diagram					
Wire diameter		0.14...0.5 mm <sup>2</sup>	0.14...0.5 mm <sup>2</sup>	0.14...0.5 mm <sup>2</sup>	0.14...0.5 mm <sup>2</sup>
Contact layout		Male	Male	Female	Female

<b>2</b> Technical data					
Supply voltage		60 V AC/DC	30 V AC/DC	60 V AC/DC	30 V AC/DC
Current per contact (40°C)		max. 4 A			
Wiring method		Screw terminals			
IP Protection		IP67- (EN 60529) When plugged and screwed down			
Temperature range		-25...+85°C			
Clamping range:Cable exit		3.5...5.0 mm			

Part No.				

	<b>1</b> Form			
--	---------------	--	--	--

Notes				
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## M8 CONNECTORS

Field-wireable	Male Straight	Female Straight
Screw terminals		
Shielded		



1	Form	No.	14MD0307SCMS	14MD0407SCMS	14FD0307SCMS	14FD0407SCMS
Suppression			3-pole	4-pole	3-pole	4-pole
Circuit diagram						
Wire diameter			0.14....0.5 mm <sup>2</sup>	0.14....0.5 mm <sup>2</sup>	0.14....0.5 mm <sup>2</sup>	0.14....0.5 mm <sup>2</sup>
Contact layout			<p>Male</p>	<p>Male</p>	<p>Female</p>	<p>Female</p>
2	Technical data		60 V AC/DC	30 V AC/DC	60 V AC/DC	30 V AC/DC
	Supply voltage		60 V AC/DC	30 V AC/DC	60 V AC/DC	30 V AC/DC
	Current per contact (40°C)		max. 4 A			
	Wiring method		Screw terminals			
	Protection		IP67- EN 60529) When plugged and screwed down			
	Temperature range		-25...+85°C			
	Clamping range: Cable exit		3.5...5.0 mm			
	Description					
	Part No.		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border-bottom: 1px dashed black; width: 100%;"></div> </div>			
			1 Form			
	Notes					

# M8 CONNECTORS

With open ended wires

Male  
Straight



Female  
90°



1	Form	No.	15MD3	15MD4	15FD3	15FD4
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Suppression			3-pole	4-pole	3-pole	4-pole
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Male  
90°



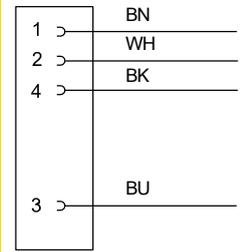
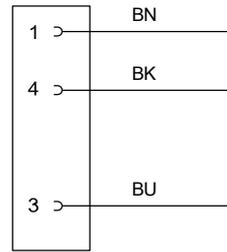
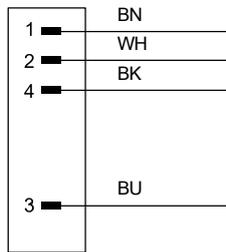
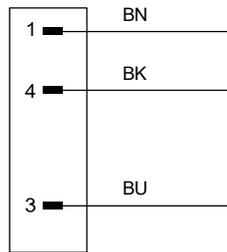
Female  
90°



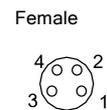
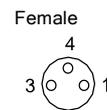
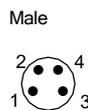
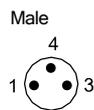
Form	No.	15MA3	15MA4	15FA3	15FA4
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Suppression					
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Circuit diagram



Contact layout



2	Cable type	Jacket color	Shielded* = Black only											
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Conductor cross section 0.25mm <sup>2</sup>	Shielded*	GY	BK									
PVC	105	100	101	115	110	111	105	100	101	115	110	111
PUR			104			114			104			114

3	Cable length
---	--------------

1.5m	0150
3.0m	0300
5.0m	0500
7.5m	0750
10.0m	1000

<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length
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Notes

## M8 CONNECTORS

With open ended wires

Female  
Straight  
With LED



Female  
90°  
With LED



1	Form No.	L15FD3	L15FD4	L15FA3	L15FA4								
Suppression Circuit diagram		3-pole with 2 x LED (PNP)	4-pole with 3 x LED (PNP)	3-pole with 2 x LED (PNP)	4-pole with 3 x LED (PNP)								
Contact layout		Female 	Female 	Female 	Female 								
<b>2</b>	<b>Cable type</b>	<b>Jacket color</b> Shielded* = Black only											
	Conductor cross section 0.25mm	Shielded*	GY	BK	Shielded*	GY	BK	Shielded*	GY	BK	Shielded*	GY	BK
	PVC	105	100	101	115	110	111	105	100	101	115	110	111
	PUR			104			114			104			114
<b>3</b>	<b>Cable length</b>												
	1.5m	0150											
	3.0m	0300											
	5.0m	0500											
	7.5m	0750											
	10.0m	1000											
	<b>Part No.</b>												
		example: <u>  L15FA3  </u> — <u>  101  </u> — <u>  0150  </u>											
		<b>1</b> Form				<b>2</b> Cable type				<b>3</b> Cable length			
	Notes												

# M8 CONNECTORS

With open ended wires

Male  
Straight  
Shielded



Female  
Straight  
Shielded



1		Form	No.	15MD3	15MD4	15FD3	15FD4	
		Suppression		3-pole	4-pole	3-pole	4-pole	
				Male 90° Shielded		Female 90° Shielded		
		Form	No.	15MA3	15MA4	15FA3	15FA4	
		Suppression		3-pole	4-pole	3-pole	4-pole	
		Circuit diagram						
		Contact layout		Male 	Male 	Female 	Female 	
2		Cable type	Jacket color					
		0.25mm <sup>2</sup>	BK	BK	BK	BK	BK	
		PUR Highly flexible	105	115	104	115		
3		Cable length						
		1.5m	0150					
		3.0m	0300					
		5.0m	0500					
		7.5m	0750					
		10.0m	1000					
		Part No.						
		example:	15FA3		105		0500	
			1	Form	2	Cable type	3	Cable length
		Notes						

## M8 CONNECTORS

OVERCONN CIRCULAR CONNECTORS CATALOGUE

Connection cable  
M8-M8

Male  
Straight

Female  
Straight

Male  
Straight

Female  
90°



1	Form	No.	J08043	J08044	J08053	J08054							
	Suppression		3-pole	4-pole	3-pole	4-pole							
	Circuit diagram												
	Contact layout												
2	Cable type	Jacket color											
	Conductor cross section 0.25mm	Shielded* = Black only											
	PVC	Shielded*	GY	BK	Shielded*	GY	BK	Shielded*	GY	BK	Shielded*	GY	BK
	PUR		100	104		110	111		100	104		110	111
3	Cable length												
	1.5m	0150											
	3.0m	0300											
	5.0m	0500											
	7.5m	0750											
	10.0m	1000											
Part No.													
		example: <i>J08043</i>			—			—			—		
		_____			_____			_____			_____		
		<b>1</b> Form			<b>2</b> Cable type			<b>3</b> Cable length					
Notes													

# M8 CONNECTORS

Connection cable  
M8-M8

Male  
Straight

Female  
Straight

Male  
Straight

Female  
90°



Form	No.	J08043	J08044	J08053	J08054
Suppression		3-pole	4-pole	3-pole	4-pole
Circuit diagram					
Contact layout		<p>Male: 4 contacts (1, 2, 3, 4)</p> <p>Female: 4 contacts (1, 2, 3, 4)</p>	<p>Male: 4 contacts (1, 2, 3, 4)</p> <p>Female: 4 contacts (1, 2, 3, 4)</p>	<p>Male: 4 contacts (1, 2, 3, 4)</p> <p>Female: 4 contacts (1, 2, 3, 4)</p>	<p>Male: 4 contacts (1, 2, 3, 4)</p> <p>Female: 4 contacts (1, 2, 3, 4)</p>
<b>2</b> Cable type	Jacket color				
Conductor cross section 0.25mm <sup>2</sup>		BK	BK	BK	BK
PUR Highly flexible		105	115	104	115
<b>3</b> Cable length					
1.5m		0150			
3.0m		0300			
5.0m		0500			
7.5m		0750			
10.0m		1000			
Part No.					
		example: <u>J08043</u>	<u>105</u>	<u>0500 N</u>	(shield to nut)
		<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length	
Notes					

## M8 CONNECTORS

Connection cable  
M8-M8

Male  
Straight

Male  
Straight

Male  
Straight

90°, with LED



<b>1</b>	Form	No.	J18214	J18204
	Suppression		4-pole	3-pole with 2 x LED (PNP)
	Circuit diagram			
	Contact layout			
<b>2</b>	Cable type	Jacket color	Jacket color	
	Conductor cross section 0.25mm <sup>2</sup>		BK	BK
	PVC		111	101
	PUR		114	104
	PUR Highly flexible Torsion, welding spark resistant 0.5mm <sup>2</sup>			
<b>3</b>	Cable length			
	1.5m	0150		
	3.0m	0300		
	5.0m	0500		
	7.5m	0750		
	10.0m	1000		
Part No.	example: <i>J 18204</i> — <i>111</i> — <i>0500</i>			
	<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length	
	Notes			

# M8 CONNECTORS

Connection cable  
M8-M12

Male  
Straight

Female  
Straight

Male  
Straight

Female  
90°



1	Form	No.	J10043	J10044	J10053	J10054
	Suppression		3-pole	4-pole	3-pole	4-pole
	Circuit diagram					
	Contact layout					
2	Cable type		Jacket color			
	Conductor cross section 0.25mm <sup>2</sup>		BK	BK	BK	BK
	PVC		101	111	101	111
	PUR		104	114	104	114
	PUR Highly flexible					
	Torsion, welding spark resistant					
	0.5mm <sup>2</sup>					
3	Cable length					
	1.5m		0150			
	3.0m		0300			
	5.0m		0500			
	7.5m		0750			
	10.0m		1000			
	Part No.					
			example: <u>  J10054  </u>	<u>  114  </u>	<u>  0500  </u>	
			<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length	
	Notes					

## M8 CONNECTORS

Connection cable  
M8-M12

Male  
Straight

Female  
90°, with LED



OVERCONN CIRCULAR CONNECTORS CATALOGUE

1	Form	No.	J20213	J20214
	Suppression Circuit diagram		3-pole with 2 x LED (PNP)	4-pole with 3 x LED (PNP)
	Contact layout		<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Male</p> </div> <div style="text-align: center;"> <p>Female</p> </div> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>Male</p> </div> <div style="text-align: center;"> <p>Female</p> </div> </div>
2	Cable type	Jacket color		
	Conductor cross section 0.25mm <sup>2</sup>	BK	BK	BK
	PVC	101	111	101
	PUR	104	114	104
3	Cable length			
	1.5m	0150		
	3.0m	0300		
	5.0m	0500		
	7.5m	0750		
	10.0m	1000		
Part No.				
example: <u>    </u> <i>J20214</i> <u>    </u> <u>    </u> <i>114</i> <u>    </u> <u>    </u> <i>0500</i> <u>    </u>				
	<b>1</b>	Form	<b>2</b>	Cable type
			<b>3</b>	Cable length
Notes				

# M8 CONNECTORS - Y type

Connection cable  
M8 x 2M8

Male  
Distributor

2 x Female  
Straight



1	Form	No.	YM8MD3	YM8MD4FF	YM8MD4FF
	Suppression		3	4 / 3	4
	Circuit diagram				
	Contact layout				
2	Cable type		Jacket color		
	Conductor cross section 0.25mm <sup>2</sup>		BK	BK	BK
	PVC		101	111	111
	PUR		104	114	114
3	Cable length				
	1.5m		0150		
	3.0m		0300		
	5.0m		0500		
	7.5m		0750		
	10.0m		1000		
	Technical data				
	Supply voltage		max. 50 V AC/60 V DC		
	Protection		IP67 (EN 60529)		
	Temperature range		-25...+85 °C		
	Part No.				
			example: <u>YM8MD3</u>	<u>101</u>	<u>0500</u>
			<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length
	Notes				

## M8 CONNECTORS - RECEPTACLES

Pre-wired

Male

Female



1	Form No.	17MF03	17MF04	17MF05	17FF03	17FF04	17FF05
Suppression		3-pole	4-pole	5-pole	3-pole	4-pole	5-pole
Circuit diagram							
Contact layout		<p>Male</p>	<p>Male</p>	<p>B-Code Male</p>	<p>Female</p>	<p>Female</p>	<p>B-Code Male</p>
2	Technical data	<p>Supply voltage: 60 V AC/DC</p> <p>Current per contact (40°C): 4A</p> <p>IP Protection: IP67 (EN 60529) When plugged and screwed down</p> <p>Connection diameter: 0,25 mm<sup>2</sup></p> <p>Temperature range: -25...+85°C</p>					
	Description						
	Part No.	<p>example: <u>17BFF05</u> — <u>0500</u></p>					
		<p><b>1</b> Form</p>		<p><b>2</b> Cable length</p>			
	Notes						

# M8 CONNECTORS - B CODE

M8 B-Code

Male  
Straight



Female  
Straight



<b>1</b>	Form	No.	15MDB5	15MDB6	15MDB8	15FDB5	15FDB6	15FDB8
	Suppression		5-pole	6-pole	8-pole	5-pole	6-pole	8-pole
			<p>Male 90°</p>			<p>Female 90°</p>		
	Form	No.	15MAB5	15MAB6	15MAB8	15FAB5	15FAB6	15FAB8
	Suppression		5-pole	6-pole	8-pole	5-pole	6-pole	8-pole
	Circuit diagram							
	Contact layout							
<b>2</b>	Cable type	Jacket color						
	Sezione del conduttore		BK	BK	BK	BK	BK	BK
	PVC (3x0.14+2x0.34mm <sup>2</sup> )		612			612		
	PVC (6x0.25mm <sup>2</sup> )			290			290	
					126			126
<b>3</b>	Cable length							
	1.5m		0150					
	3.0m		0300					
	5.0m		0500					
	7.5m		0750					
	10.0m		1000					
Part No.								
Reference: 6.0.1		example:	<u>15MAB8</u>	<u>126</u>	<u>0500</u>			
		<b>1</b>	Form	<b>2</b>	Cable type	<b>3</b>	Cable length	

Notes

## M8 CONNECTORS - B CODE

M8 B-Code

Male  
Straight

Female  
Straight



1	Form	No.	J08B0605	J08B0606	J08B0608
	FOOD & BEVERAGE				
	Suppression		5-pole	6-pole	8-pole
	Circuit diagram				
	Contact layout				
2	Cable type		Jacket color		
			BK (3x0.14+2x0.34mm <sup>2</sup> )	BK (6x0.25mm <sup>2</sup> )	BK (8x0.25mm <sup>2</sup> )
	PVC		612	290	126
3	Cable length				
	1.5m		0150		
	3.0m		0300		
	5.0m		0500		
	7.5m		0750		
	10.0m		1000		
	Part No.				
			Example: <u>    </u> <b>J08B0605</b> <u>    </u> <u>    </u> <b>612</b> <u>    </u> <u>    </u> <b>0500</b> <u>    </u>		
			<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length
	Notes				

## ACCESSORIES

Labeling accessories		Part No.	Suitable for
	Slip-on cable sleeves 4x18 mm	O99	Cable diameter 4.0...6.5 mm
	Snap-on cable sleeves 4x18 mm	O991	Cable diameter 4.2...7.0 mm
	Label plates 4x18 mm	OVV2	
	M8 connector installation tool	O60000	
	M8 Female plastic protective cover Plastic screw plug M8	O996	
	M12 Male blind plug (Plastic) M12 Female blind plug (Plastic)	O981 O996	

## M12 CONNECTORS OVERVIEW

### Field-wireable



Male  
Female

- Straight / 90°
- Straight / 90°



Male  
Female

- Straight / 90°
  - Straight / 90°
- Shielded

### With open ended wires



Male  
Female  
Female With LED

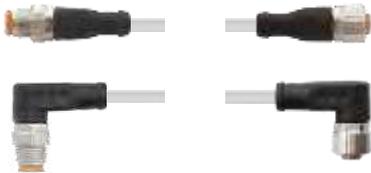
- Straight
- 90°



Male  
Shielded

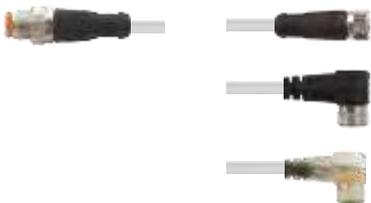
- Straight
- 90°

### Connection cable



• Male Straight  
• 90°

• Female Straight  
• 90°



• Male Straight

• Female Straight  
• 90°  
• 90° With LED



• Male Straight

• Female 90°  
• 90° With LED

## M12 CONNECTORS

	<ul style="list-style-type: none"> <li>• Male Straight</li> <li>• Shielded</li> </ul>	<ul style="list-style-type: none"> <li>• Female Straight</li> <li>• Shielded 90°</li> </ul>
	<p>M12 Connector - Y</p> <ul style="list-style-type: none"> <li>• Male Straight</li> </ul>	<ul style="list-style-type: none"> <li>• Female Straight</li> <li>• 90°</li> <li>• 90° With LED</li> </ul>
	<p>M12 Connector - Y</p> <ul style="list-style-type: none"> <li>• Male Straight</li> </ul>	<ul style="list-style-type: none"> <li>• Female Straight</li> <li>• 90°</li> <li>• 90° With LED</li> </ul>

## M12 Connectors - Receptacles

	<p>Rear mounting</p> <p>Male / Female</p>	<ul style="list-style-type: none"> <li>• 4-pole A-code, B-code, D-code</li> <li>• 5-pole A-code, B-code</li> <li>• 8-pole A-code</li> </ul>
	<p>Front mounting</p> <p>Male/Female</p>	<ul style="list-style-type: none"> <li>• 4 pole A-code, B-code, D-code</li> <li>• 5pole A-code, B-code</li> <li>• 8-pole A-code</li> </ul>
	<p>PCB connectors</p> <p>Male/Female</p>	<ul style="list-style-type: none"> <li>• 4 pole A-code, B-code, D-code</li> <li>• 5pole A-code, B-code</li> <li>• 8-pole A-code</li> </ul>
	<p>PCB connectors for 90° installation</p>	<ul style="list-style-type: none"> <li>• 4-pole Male / Female 90°</li> <li>• 5-pole</li> </ul>
	<p>Control cabinet entry system</p> <p>Male/Female</p>	<ul style="list-style-type: none"> <li>• 4pole D-code</li> <li>• 5-pole</li> <li>• 5 pole B-code</li> </ul> <p>• Profibus-DP and Interbus</p>

## M12 CONNECTORS

Field-wireable  
With screw terminals

Male  
Straight



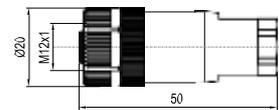
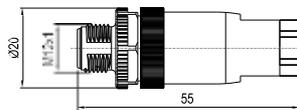
Female  
Straight



1	Suppression	4-pole		5-pole		4-pole		5-pole	
<b>A-Code Part No</b>									
With screw terminals									
		16MD407SC	16 MD409SC	16MD507SC	16MD509SC	16FD407SC	16FD409SC	16FD507SC	16FD509SC
<b>Cage-clamp terminals</b>									
		16MD407Q		16MD507Q		16FD407Q		16FD507Q	
<b>Cable outlet diameter</b>		4...6 mm	6...8 mm	4...6 mm	6...8 mm	4...6 mm	6...8 mm	4...6 mm	6...8 mm
<b>Contact layout</b>									
<b>B-Code Part No</b>									
With screw terminals									
		16BMD409SCQ		16BMD509SC		16BFD409SC		16BFD509SC	
<b>Cage-clamp terminals</b>									
		16BMD409Q		16BMD509Q		16 BFD409Q		16 BFD509Q	
<b>Cable outlet diameter</b>		6...8 mm		6...8 mm		6...8 mm		6...8 mm	
<b>Contact layout</b>									
<b>D-Code Part No</b>									
With screw terminals									
		16DMD409SC				16DFD407SC			
<b>Cage-clamp terminals</b>									
		16DMD409Q				16DFD407Q			
<b>Cable outlet diameter</b>		6...8 mm				6...8 mm			
<b>Contact layout</b>									
<b>Circuit diagram</b>									

2	Technical data	4-pole		5-pole		4-pole		5-pole	
<b>Supply voltage</b>									
		250 V AC/DC		125 V AC/DC		250 V AC/DC		125 V AC/DC	
<b>Current per contact (40°C)</b>									
		max. 4 A							
<b>Connection diameter</b>									
		max. 0.75 mm <sup>2</sup>							
<b>Housing material</b>									
		Flame retardant plastic							
<b>IP Protection</b>									
		IP67- (EN 60529) When plugged and screwed down							
<b>Temperature range</b>									
		-25...+85°C							

### Description



Notes

# M12 CONNECTORS

Field-wireable  
With screw terminals

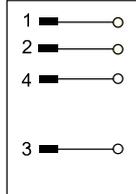
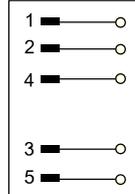
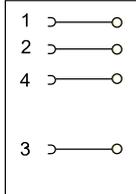
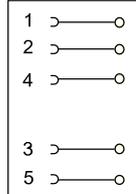


1		Form	No.	16MD411SC	16MD511SC	16FD411SC	16FD511SC
		<b>A-Code</b> Part No.					
		Suppression		4-pole	5-pole	4-pole	5-pole
		Cable outlet diameter		8...10 mm	8...10 mm	8...10 mm	8...10 mm
		double hole		Male Straight		Female Straight	
1		Form	No.	16MD42XSC	16MD52XSC	16FD42XSC	16FD52XSC
		<b>A-Code</b> Part No.					
		Suppression		4-pole	5-pole	4-pole	5-pole
		Cable outlet diameter		2x(3...5.2) mm	2x(3...5.2) mm	2x(3...5.2) mm	2x(3...5.2) mm
		Contact layout		<p>Male</p>	<p>Male</p>	<p>Female</p>	<p>Female</p>
		Circuit diagram					
2		Technical data					
		Supply voltage		250 V AC/DC	60 V AC/DC	250 V AC/DC	60 V AC/DC
		Current per contact (40°C)		max. 4 A			
		Connection diameter		max. 0.75 mm <sup>2</sup>			
		Housing material		Flame retardant plastic			
		Protection		IP67- (EN 60529) When plugged and screwed down			
		Temperature range		-25...+85°C			

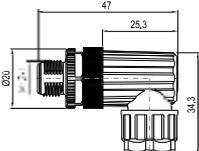
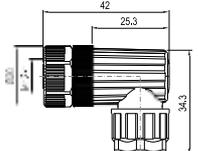
Notes

## M12 CONNECTORS

Field-wireable	Male 90° 				Female 90° 			
With screw terminals								

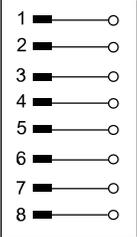
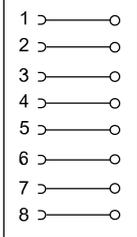
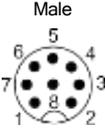
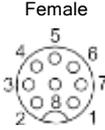
1	Suppression	4-pole		5-pole		4-pole		5-pole	
<i>A-Code</i> Part No									
With screw terminals									
		16MA407SC	16MA409SC	16MA507SC	16MA509SC	16FA407SC	16FA409SC	16FA507SC	16FA509SC
Cage-clamp terminals									
		16MA407Q		16MA507Q		16FA407Q		16FA507Q	
Cable outlet diameter		4...6 mm	6...8 mm	4...6 mm	6...8 mm	4...6 mm	6...8 mm	4...6 mm	6...8 mm
Contact layout									
<i>B-Code</i> Part No									
With screw terminals									
		16BMA409SC		16BMA509SC		16BFA409SC		16BFA509SC	
Cage-clamp terminals									
		16BMA409Q		16BMA509Q		16BFA409Q		16BFA509Q	
Cable outlet diameter		6...8 mm		6...8 mm		6...8 mm		6...8 mm	
Contact layout									
<i>D-Code</i> Part No									
With screw terminals									
		16DMA409SC				16DFA409SC			
Cage-clamp terminals									
		16DMA409Q				16DFA409Q			
Cable outlet diameter		6...8 mm				6...8 mm			
Contact layout									
Circuit diagram									

2	Technical data	250 V AC/DC		125 V AC/DC		250 V AC/DC		125 V AC/DC	
Supply voltage		250 V AC/DC		125 V AC/DC		250 V AC/DC		125 V AC/DC	
Current per contact (40°C)		max. 4 A							
Connection diameter		max. 0.75 mm <sup>2</sup>							
Housing material		Flame retardant plastic							
IP Protection		IP67- (EN 60529) When plugged and screwed down							
Temperature range		-25...+85°C							

Description		

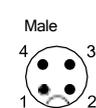
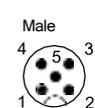
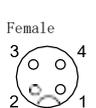
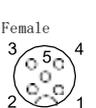
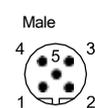
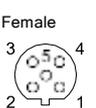
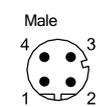
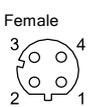
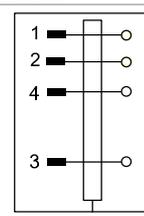
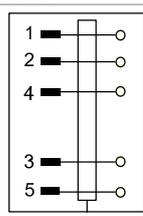
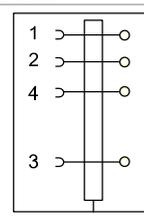
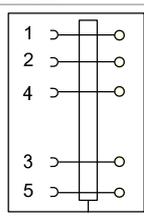
Notes	
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## M12 CONNECTORS

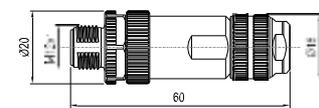
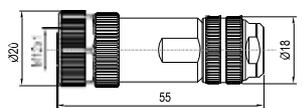
Field-wireable With screw terminals	<b>Male Straight</b> 	<b>Female Straight</b> 
<b>1</b> Form	No. 16MD809SC	16FD809SC
Suppression	8-pole	8-pole
	<b>Male 90°</b> 	<b>Female 90°</b> 
90° Form	No. 16MA809SC	16FA809SC
Suppression	8-pole	8-pole
Circuit diagram		
Cable outlet diameter	6....8 mm	6....8 mm
Contact layout	<b>Male</b> 	<b>Female</b> 
<b>2</b> Technical data		
Supply voltage	60 V AC/DC	
Current per contact (40°C)	max. 2 A	
Connection diameter	max. 0.5 mm <sup>2</sup>	
Housing material	Flame retardant plastic	
Wiring method	Screw terminals	
IP Protection	IP67- (EN 60529) When plugged and screwed down	
Temperature range	-25...+85°C	
Part No.		
		
	<b>1</b> Form	
Notes		

## M12 CONNECTORS - METAL SHIELDED

Field-wireable With screw terminals Shielded	Male Straight 	Female Straight 
--	---	---

Suppression	4-pole	5-pole	4-pole	5-pole
<b>A-Code</b> Part No				
With screw terminals	16MD407SCMS	16MD509SCMS	16FD407SCMS	16FD509SCMS
Cage-clamp terminals	16MD407QMS	16MD509QMS	16FD407QMS	16FD509QMS
Contact layout	Male 	Male 	Female 	Female 
<b>B-Code</b> Part No				
With screw terminals		16BMD509SCMS		16BFD509SCMS
Cage-clamp terminals		16BMD509QMS		16BFD509QMS
Contact layout		Male 		Female 
<b>D-Code</b> Part No				
With screw terminals	16DMD407SCMS		16DFD407SCMS	
Cage-clamp terminals	16DMD407QMS		16DFD407QMS	
Contact layout	Male 		Female 	
Cable outlet diameter	4....6 mm	6....8 mm	4....6 mm	6....8 mm
Circuit diagram				

<b>2</b>	<b>Technical data</b>
Supply voltage	125 V AC/DC
Current per contact (40°C)	max. 4 A
Connection diameter	max. 0.75 mm <sup>2</sup>
Housing material	CuZn, nickel plated
Wiring method	Screw terminals
Protection	IP67- (EN 60529) When plugged and screwed down
Temperature range	-25...+85°C

Description	<div style="display: flex; justify-content: space-around;">   </div>
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Notes	
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# M12 CONNECTORS - METAL SHIELDED

Field-wireable  
With screw terminals  
Shielded

Male  
90°



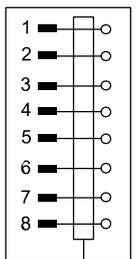
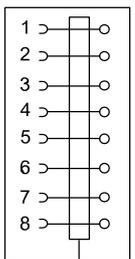
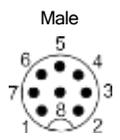
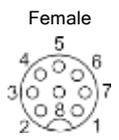
Female  
90°



1	Suppression	4-pole	5-pole	4-pole	5-pole
	<b>A-Code</b> Part No Contact layout	16MA407SCMS 	16MA509SCMS 	16FA407SCMS 	16FA509SCMS 
	<b>B-Code</b> Part No Contact layout		16BMA509SCMS 		16BFA509SCMS 
	<b>D-Code</b> Part No Contact layout	16DMA407SCMS 		16DFA407SCMS 	
	<b>Cable outlet diameter</b>	4...6 mm	6...8 mm	4...6 mm	6...8 mm
	<b>Circuit diagram</b>				
<b>2</b>	<b>Technical data</b>	Supply voltage: 125 V AC/DC Current per contact (40°C): max. 4 A Connection diameter: max. 0.75 mm <sup>2</sup> Housing material: CuZn, nickel plated Wiring method: Screw terminals IP Protection: IP67- (EN 60529) When plugged and screwed down Temperature range: -25...+85°C			
	<b>Description</b>				
	<b>Part No.</b>	_____ - _____ - _____ - _____ - _____			
	<b>1</b> Form				

Notes

## M12 CONNECTORS - METAL SHIELDED

Field-wireable With screw terminals Shielded		Male Straight 	Female Straight 
<b>1</b>	<b>Form</b>	<b>No.</b> 16MD809SCMS	16FD809SCMS
	Suppression	8-pole	8-pole
		Male 90° 	Female 90° 
	<b>90°Form</b>	<b>No.</b> 16MA809SCMS	16FA809SCMS
	Suppression	8-pole	8-pole
	Circuit diagram		
	Wire diameter	5...8mm	
	Contact layout		
<b>2</b>	<b>Technical data</b>		
	Supply voltage	60 V AC/DC	
	Current per contact (40°C)	2A	
	Connection diameter	max. 0.5 mm <sup>2</sup>	
	Housing material	CuZn, nickel plated	
	Wiring method	Screw terminals	
	IP Protection	IP67- (EN 60529) When plugged and screwed down	
	Temperature range	-25...+85°C	
	<b>Part No.</b>		
			
		<b>1</b> Form	
	Notes		

## M12 CONNECTORS - PUSH/PULL SHIELDED

No tools required Can be easily inserted to achieve self-locking

Shielded		Male A-Code Straight		Male D-Code Straight		Male X-Code Straight	
<b>1</b>	Form	No. 16MD4PPMS 16MD5PPMS		16DMD4PPMS		16XMD8PPMS	
	Suppression	4-pole		4-pole		8-pole	
	Contact layout						
		Female A-Code Straight		Female D-Code Straight		Female X-Code Straight	
		Form	No. 16FD4PPMS 16FD5PPMS		16DFD4PPMS		16XFD8PPMS
		4-pole		4-pole		8-pole	
<b>2</b>	Technical data						
	Supply voltage	50 V AC/DC					
	Current per contact (40°C)	4A					
	Wire diameter	5.7 ... 8.8 mm					
	IP Protection	IP67- (EN 60529) When plugged and screwed down					
	Temperature range	-25...+85°C					
Part No.		-----		-----		-----	
		<b>1</b> Form					
Notes							

## M12 CONNECTORS

With open ended wires

Male  
Straight



Female  
Straight



1	Form	No.	17MD3	17MD4	17MD5	17FD3	17FD4	17FD5
---	------	-----	-------	-------	-------	-------	-------	-------

Suppression	3-pole	4-pole	5-pole	3-pole	4-pole	5-pole		
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Male  
90°



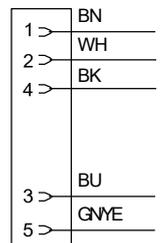
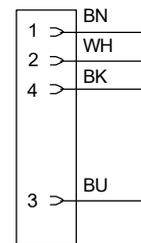
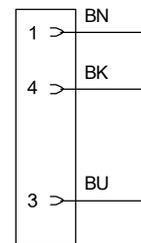
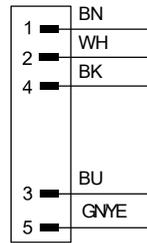
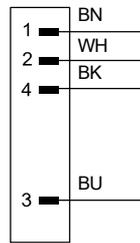
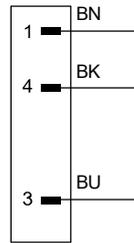
Female  
90°



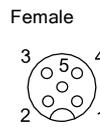
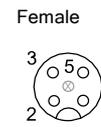
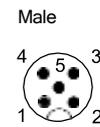
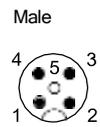
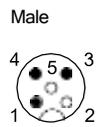
Form	No.	17MA3	17MA4	17MA5	17FA3	17FA4	17FA5
------	-----	-------	-------	-------	-------	-------	-------

Suppression	3-pole	4-pole	5-pole	3-pole	4-pole	5-pole	
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Circuit diagram



Contact layout



2	Cable type	Jacket color											
---	------------	--------------	--	--	--	--	--	--	--	--	--	--	--

Conductor cross section 0.34mm	GY	BK										
PVC	130	131	140	141	150		130	131	214	141	150	
PUR		134		144		151		134		144		151

3	Cable length	
---	--------------	--

1.5m	0150
3.0m	0300
5.0m	0500
7.5m	0750
10.0m	1000

Notes

# M12 CONNECTORS

With open ended wires

Male  
Straight



Female  
Straight



1	Form	No.	16MD8	16MD12	16MD17	16FD8	16FD12	16FD17
	Suppression			8-pole	12-pole	17-pole	8-pole	12-pole
			Male 90°			Female 90°		
	Form	No.	16MA8	16MA12	16MA17	16FA8	16FA12	16FA17
	Suppression		8-pole	12-pole	17-pole	8-pole	12-pole	17-pole
	Circuit diagram							
	Contact layout		Male 	Male 	Male 	Female 	Female 	Female 
2	Cable type	Jacket color						
	Conductor cross section 0.25mm <sup>2</sup>	GY	GY			GY	GY	
PVC	292	301				292	301	
PUR Highly flexible	295					295		
Conductor cross section 0.14mm <sup>2</sup>		BK	BK				BK	BK
PVC		702	742				702	742
PUR Highly flexible		705	745				705	745
3	Cable length							
	1.5m	0150						
3.0m	0300							
5.0m	0500							
7.5m	0750							
10.0m	1000							
Technical data								
Supply voltage	max. 30 V AC/DC							
Protection	IP67- (EN 60529) When plugged and screwed down							
Temperature range	-25...+85°C							
Notes								

## M12 CONNECTORS

With open ended wires  
With LED

Female  
Straight



Female  
90°



1	Form	No.	L217FD3	L217FD4	L217FA3	L217FA4													
Suppression Circuit diagram	3-pole with 2 x LED (PNP)		4-pole with 2 x LED (PNP)		3-pole with 2 x LED (PNP)		4-pole with 2 x LED (PNP)												
Contact layout																			
2	Cable type	Jacket color																	
	Conductor cross section 0.34mm <sup>2</sup>	GY	BK	GY	BK	GY	BK	GY	BK										
	PVC	130	131	130	131	130	131	130	131										
	PUR		134		134		134		134										
3	Cable length	<table border="1"> <tr><td>1.5m</td><td>0150</td></tr> <tr><td>3.0m</td><td>0300</td></tr> <tr><td>5.0m</td><td>0500</td></tr> <tr><td>7.5m</td><td>0750</td></tr> <tr><td>10.0m</td><td>1000</td></tr> </table>								1.5m	0150	3.0m	0300	5.0m	0500	7.5m	0750	10.0m	1000
1.5m	0150																		
3.0m	0300																		
5.0m	0500																		
7.5m	0750																		
10.0m	1000																		
	Part No.	<p>example: <u>    </u> <b>L217FD3</b> <u>    </u> <u>    </u> <b>131</b> <u>    </u> <u>    </u> <b>0500</b> <u>    </u></p> <p><b>1</b> Form                      <b>2</b> Cable type                      <b>3</b> Cable length</p>																	
	Notes																		

# M12 CONNECTORS

With open ended wires  
With LED

Female  
90°



1	Form	No.	L317FA4	L317FA5															
	Suppression Circuit diagram		4-pole with 3 x LED (PNP) 	5-pole with 3 x LED (PNP) 															
	Contact layout		Female 	Female 															
2	Cable type	Jacket color	<table border="1"> <thead> <tr> <th>Conductor cross section 0.34mm<sup>2</sup></th> <th>GY</th> <th>BK</th> <th>GY</th> <th>BK</th> </tr> </thead> <tbody> <tr> <td>PVC</td> <td>140</td> <td>141</td> <td>150</td> <td></td> </tr> <tr> <td>PUR</td> <td></td> <td>144</td> <td></td> <td>151</td> </tr> </tbody> </table>		Conductor cross section 0.34mm <sup>2</sup>	GY	BK	GY	BK	PVC	140	141	150		PUR		144		151
Conductor cross section 0.34mm <sup>2</sup>	GY	BK	GY	BK															
PVC	140	141	150																
PUR		144		151															
3	Cable length		<table border="1"> <tbody> <tr> <td>1.5m</td> <td>0150</td> </tr> <tr> <td>3.0m</td> <td>0300</td> </tr> <tr> <td>5.0m</td> <td>0500</td> </tr> <tr> <td>7.5m</td> <td>0750</td> </tr> <tr> <td>10.0m</td> <td>1000</td> </tr> </tbody> </table>		1.5m	0150	3.0m	0300	5.0m	0500	7.5m	0750	10.0m	1000					
1.5m	0150																		
3.0m	0300																		
5.0m	0500																		
7.5m	0750																		
10.0m	1000																		
	Part No.		<p>example: <u>  L317FA4  </u> — <u>  144  </u> — <u>  0500  </u></p>																
			1 Form	2 Cable type															
			3 Cable length																
	Notes																		

## M12 CONNECTORS

With open ended wires  
Shielded

Male  
Straight



1	Form	No.	17MD3	17MD4	17MD5	17MD8	17MD12
---	------	-----	-------	-------	-------	-------	--------

Suppression			3-pole	4-pole	5-pole	8-pole	12-pole
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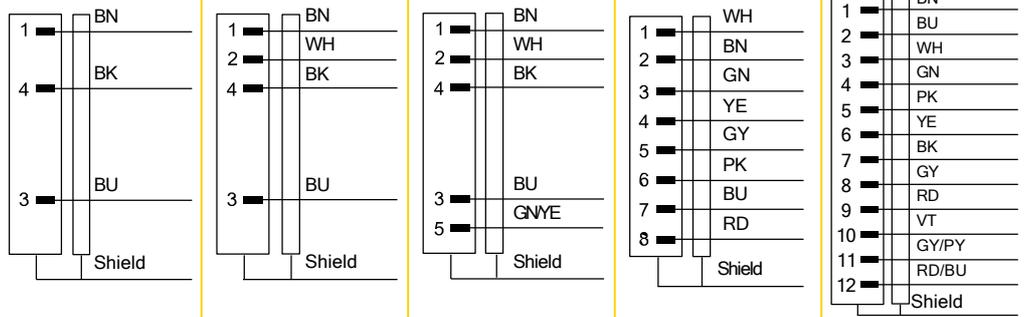
Male  
90°



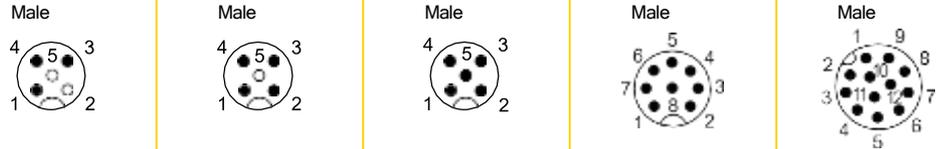
Form	No.	17MA3	17MA4	17MA5	17MA8	17MA12
------	-----	-------	-------	-------	-------	--------

Suppression		3-pole	4-pole	5-pole	8-pole	12-pole
-------------	--	--------	--------	--------	--------	---------

Circuit diagram



Contact layout



2	Cable type	Jacket color
---	------------	--------------

Conductor cross section 0.34mm <sup>2</sup>	BK	GY	BK	GY	BK	GY		
PVC		130		110		120		
PUR	134		114		121			
Conductor cross section 0.25mm <sup>2</sup>					BK	GY		
PVC						126		
PUR						127		
Conductor cross section 0.14mm <sup>2</sup>							BK	
PVC							403	
PUR Highly flexible							406	

3	Cable length
---	--------------

1.5m	0150
3.0m	0300
5.0m	0500
10.0m	1000

Technical data

Supply voltage	125 V AC/DC	60 V AC/DC	30 V AC/DC
Current per contact(40°C)	max. 4A	max. 2 A	
Protection	IP67- (EN 60529) When plugged and screwed down		
Temperature range	-25...+85°C		

Notes

# M12 CONNECTORS

With open ended wires  
Shielded

Female  
Straight



1	Form	No.	17FD3	17FD4	17FD5	17FD8	17FD12
	Suppression		3-pole	4-pole	5-pole	8-pole	12-pole
			Female 90°				



Form	No.	17FA3	17FA4	17FA5	17FA8	17FA12
Suppression		3-pole	4-pole	5-pole	8-pole	12-pole
Circuit diagram						
Contact layout		<p>Female</p>	<p>Female</p>	<p>Female</p>	<p>Female</p>	<p>Female</p>

2	Cable type	Jacket color							
	Conductor cross section 0. 34mm <sup>2</sup>	BK	GY	BK	GY	BK	GY		
	PVC		130		110		120		
	PUR	134		114		121			
	Conductor cross section 0. 25mm <sup>2</sup>						BK	GY	
	PVC							126	
	PUR							127	
	Conductor cross section 0. 14mm <sup>2</sup>								BK
	PVC								403
	PUR Highly flexible								406

3	Cable length	
	1.5m	0150
	3.0m	0300
	5.0m	0500
	10.0m	1000

Technical data			
Supply voltage	125 V AC/DC	60 V AC/DC	30 V AC/DC
Current per contact (40°C)	max. 4A	max. 2 A	
Protection	IP67- (EN 60529) When plugged and screwed down		
Temperature range	-25... +85°C		

Notes

## M12 CONNECTORS

OVERCONN CIRCULAR CONNECTORS CATALOGUE

Connection cable  
M12-M12

Male  
Straight

Female  
Straight



<b>1</b>	<b>Form</b>	<b>J12043</b>	<b>J12044</b>	<b>J12045</b>	<b>J12048</b>
	Suppression	3-pole	4-pole	5-pole	8-pole
		Male 90°			Female 90°

	<b>Form</b>	<b>No.</b>	<b>J12073</b>	<b>J12074</b>	<b>J12075</b>	<b>J12078</b>
	Suppression		3-pole	4-pole	5-pole	8-pole
	Circuit diagram					
	Contact layout					

<b>2</b>	<b>Cable type</b>	<b>Jacket color</b>																					
	Conductor cross section 0.34mm <sup>2</sup>	<table border="1"> <tr> <td>GY</td> <td>BK</td> <td>YE</td> <td>GY</td> <td>BK</td> <td>GY</td> <td>BK</td> </tr> <tr> <td>PVC</td> <td>130</td> <td>131</td> <td>140</td> <td>141</td> <td>150</td> <td>151</td> </tr> <tr> <td>PUR</td> <td></td> <td>134</td> <td></td> <td>144</td> <td></td> <td></td> </tr> </table>	GY	BK	YE	GY	BK	GY	BK	PVC	130	131	140	141	150	151	PUR		134		144		
GY	BK	YE	GY	BK	GY	BK																	
PVC	130	131	140	141	150	151																	
PUR		134		144																			
	Conductor cross section 0.5mm <sup>2</sup>	GY BK																					
	Conductor cross section 0.25mm <sup>2</sup>	GY																					
	PVC	126																					
	PUR	127																					

<b>3</b>	<b>Cable length</b>
	1.5m 0150
	3.0m 0300
	5.0m 0500
	7.5m 0750
	10.0m 1000

Notes

# M12 CONNECTORS

Connection cable  
M12-M12

Male  
Straight

Female  
90°



1	Form	No.	J17053	J17054	J17055	J17058
	Suppression		3-pole	4-pole	5-pole	8-pole
			Male 90°			Female Straight
Form	No.	J17063	J17064	J17065	J17068	
Suppression		3-pole	4-pole	5-pole	8-pole	
Circuit diagram						
Contact layout						
2	Cable type	Jacket color				
	Conductor cross section 0.34mm <sup>2</sup>		GY BK	GY BK	GY BK	
	PVC		130 131	140 141	150 151	
	PUR		134	144	151	
	PUR Highly flexible					
	Conductor cross section 0.25mm <sup>2</sup>					GY
	PVC					126
	PUR					127
3	Cable length					
	0.3m	0030				
	0.6m	0060				
	1.0m	0100				
	1.5m	0150				
	2.0m	0200				
Notes						

## M12 CONNECTORS

Connection cable  
M12-M8

Male  
Straight

Female  
Straight

Male  
Straight

Female  
90°



1	Form	No.	J10043	J10044	J10053	J10054	
			3-pole	4-pole	3-pole	4-pole	
	Suppression Circuit diagram						
	Contact layout						
2	Cable type	Jacket color					
	Conductor cross section 0.25mm		GY	BK		GY	BK
	PVC		100	101		110	111
	PUR			104			114
						120	121
							126
							127
3	Cable length						
	0.3m		0030				
	0.6m		0060				
	1.0m		0100				
	1.5m		0150				
	2.0m		0200				
	Part No.						
	example:		<u>    </u> <i>J10053</i> <u>    </u>	<u>    </u> <i>104</i> <u>    </u>	<u>    </u> <i>0500</i> <u>    </u>		
			<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length		
	Notes						

# M12 CONNECTORS

Connection cable  
M12-M8/M12

Male  
Straight

Female 90° with  
LED M8

Male  
Straight

Female 90° with  
LED M12



<b>1</b> Form	No.	J20223		J22223	
	Suppression Circuit diagram	3-pole with 2 x LED (PNP)		3-pole with 2 x LED (PNP)	
Contact layout					
<b>2</b> Cable type	Jacket color	Wire 0.25mm <sup>2</sup>		Wire 0.34mm <sup>2</sup>	
	Conductor cross section	GY	BK	GY	BK
	PVC	100	101	100	101
	PUR		104		104
<b>3</b> Cable length	0.3m	0030			
	0.6m	0060			
	1.0m	0100			
	1.5m	0150			
	2.0m	0200			
Part No.	example: <u>    </u> J20223 <u>    </u> <u>    </u> 100 <u>    </u> <u>    </u> 0500 <u>    </u>				
	<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length		
Notes					



# M12 CONNECTORS

Connection cable  
M12-M12 Shielded

Male  
Straight

Female  
Straight



1	Form	No.	J12043	J12044	J12045	J12048
---	------	-----	--------	--------	--------	--------

Suppression	3-pole	4-pole	5-pole	8-pole
-------------	--------	--------	--------	--------

Male  
Straight

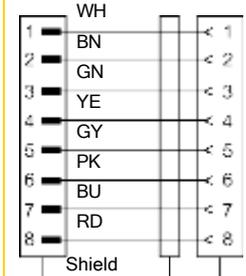
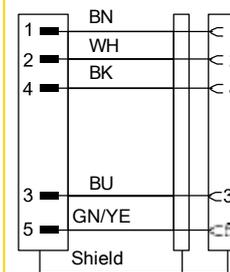
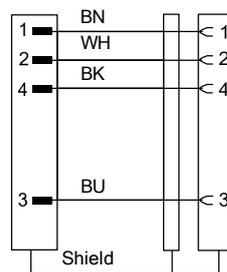
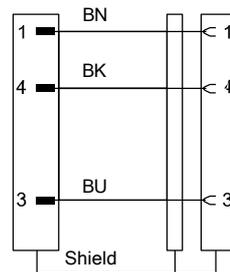
Female  
90°



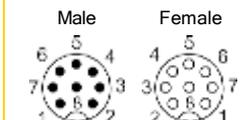
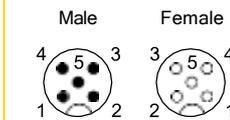
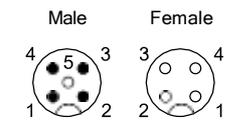
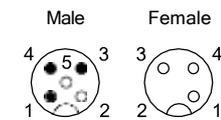
Form	No.	J12053	J12054	J12055	J12058
------	-----	--------	--------	--------	--------

Suppression	3-pole	4-pole	5-pole	8-pole
-------------	--------	--------	--------	--------

Circuit diagram



Contact layout



2	Cable type	Jacket color
---	------------	--------------

Conductor cross section 0.34mm <sup>2</sup>	GY	BK	GY	BK	GY	BK	GY
PVC	230	231	140	241	250	251	226
PUR		135		145			227
Conductor cross section 0.25mm <sup>2</sup>							
PVC							
PUR							

3	Cable length
---	--------------

0.3m	0030
0.6m	0060
1.0m	0100
1.5m	0150
2.0m	0200

Notes

## M12 CONNECTORS - Y Type

With open ended wires Y

Male  
Y Distributor

2 x free end

M12 2 x free end



1	Form	No.	YM12MD3NC	YM12MDNC
			3-pole	4-pole
	Suppression			
	Circuit diagram			
	Contact layout		<p style="text-align: center;">Y-Male</p>	<p style="text-align: center;">Y-Male</p>
2	Cable type	Jacket color		
	Conductor cross section 0.34mm <sup>2</sup>		GY	BK
	PVC		130	131
	PUR			134
	PUR Highly flexible			
	Torsion, welding spark resistant			
3	Cable length			
	0.3m	0030		
	0.6m	0060		
	1.0m	0100		
	1.5m	0150		
	2.0m	0200		
Part No.				
	Reference: 6.0.1	<p style="text-align: center;">example <u>YM12MD3NC</u> — <u>134</u> — <u>0500</u></p>		
		<b>1</b>	<b>2</b>	<b>3</b>
		Form	Cable type	Cable length
Notes				

## M12 CONNECTORS - Y Type

Connection cable  
Y M12 x 2 M12

Male  
Y Distributor

Female  
Straight



<b>1</b>	<b>Form</b>	<b>No.</b> YM12MD3FF	YM12MD4FF		
	Suppression	3-pole	4-pole		
	Circuit diagram	<p>Male Y Distributor</p>	<p>Female 90°</p>		
<b>Form</b>	<b>No.</b> YM12MD3FFA	M12MD4FFA			
	Suppression	3-pole	4-pole		
	Circuit diagram				
	Contact layout	<p>Y-Male      Female</p>	<p>Y-Male      Female</p>		
<b>2</b>	<b>Cable type</b>	<b>Jacket color</b>			
	Conductor cross section 0.34mm <sup>2</sup>	GY	BK	GY	BK
	PVC	130	131	130	131
	PUR		134		134
<b>3</b>	<b>Cable length</b>				
	0.3m	0030			
	0.6m	0060			
	1.0m	0100			
	1.5m	0150			
	2.0m	0200			
<b>Notes</b>					

## M12 CONNECTORS - Y Type

Connection cable Y

M12 x 2 M12

M12 x 2 M8

Male  
Y Distributor

Female 90°  
with LED

Male  
Y Distributor

Female  
90°



1	Form	No.	YM12MD3LFFA	YM12MD4LFFA	YM12MD3M8LFFA	
Suppression			3-pole with 2 x LED (PNP)	4-pole with 2 x LED (PNP)	3-pole with 2 x LED (PNP)	
Circuit diagram						
Contact layout			<p>Y-Male      Female</p>	<p>Y-Male      Female</p>	<p>Y-Male      Female</p>	
2	Cable type	Jacket color	Wire 0.34mm <sup>2</sup>		Wire 0.25mm <sup>2</sup>	
	Conductor cross section		GY	BK	GY	BK
	PVC		130	131	140	141
	PUR			134		144
3	Cable length					
	0.3m		0030			
	0.6m		0060			
	1.0m		0100			
	1.5m		0150			
	2.0m		0200			
	Part No.					
			example: <u>YM12MD3LFFA</u> <u>134</u> <u>0500</u>			
			1	2	3	
			Form	Cable type	Cable length	
	Notes					

# M12 CONNECTORS - Y Type

Connection cable Y  
M12 2 x M8

Male  
Y Distributor

Female  
Straight

Male  
Y Distributor

Female  
90°



<b>1</b>	<b>Form</b>	<b>No.</b>	YM12MD3M8FF	YM12MD3M8FFA
	Suppression Circuit diagram		3-pole	3-pole
	Suppression Circuit diagram			
	Contact layout			
<b>2</b>	<b>Cable type</b>	<b>Jacket color</b>		
	Conductor cross section 0.25mm <sup>2</sup>		GY	BK
	PVC		100	101
	PUR			104
<b>3</b>	<b>Cable length</b>			
	0.3m		0030	
	0.6m		0060	
	1.0m		0100	
	1.5m		0150	
	2.0m		0200	
<b>Part No.</b>				
	example:		YM12MD3M8FF	104
				0500
			<b>1</b> Form	<b>2</b> Cable type
				<b>3</b> Cable length
<b>Notes</b>				

## M12 CONNECTORS - Y Type

Connection cable  
Y M12 - 2 M12

Male  
Y Distributor

Female  
Straight



<b>1</b>	<b>Form</b>	<b>No.</b>	YM12MD3FFY	YM12MD4FFY
	Suppression		3-pole	4-pole
<b>1</b>	<b>Circuit diagram</b>			
	<b>Contact layout</b>			
<b>2</b>	<b>Cable type</b>	<b>Jacket color</b>		
	Conductor cross section 0.34mm <sup>2</sup>		GY BK	GY BK
	PVC		130 131	130 131
	PUR		134	134
<b>3</b>	<b>Cable length</b>			
	0.3m		0030	
	0.6m		0060	
	1.0m		0100	
	1.5m		0150	
	2.0m		0200	
<b>Part No.</b>				
			example: <i>YM12MD3FFY</i> – <i>214</i> – <i>0500</i>	
		<b>1</b> Form	<b>2</b> Cable type	<b>3</b> Cable length
<b>Notes</b>				

# M12 CONNECTORS - RECEPTACLES

A-Code  
B-Code  
D-Code  
Back mounting  
Pre-wired installation

M12 Male



M12 Female



<b>1</b> Suppression	4-pole	5-pole	8-pole	4-pole	5-pole	8-pole
Part No.	16MR4	16MR5	16MR8	16FR4	16FR5	16FR8
A-Code Contact layout	Male 	Male 	Male 	Female 	Female 	Female 
Supply voltage	250 V AC/DC	125 V AC/DC	60 V AC/DC	250 V AC/DC	125 V AC/DC	60 V AC/DC
Current per contact (40°C)	4A	4A	2A	4A	4A	2A
Part No.	16BMD4	16BMR5		16BFR4	16BFR5	
B-Code Contact layout	Male 	Male 		Female 	Female 	
Supply voltage	250 V AC/DC	125 V AC/DC		250 V AC/DC	125 V AC/DC	
Current per contact (40°C)	4A	4A		4A	4A	
Part No.	16DMR4			16DFR4		
D-Code Contact layout	Male 			Female 		
Supply voltage	250 V AC/DC			250 V AC/DC		
Current per contact (40°C)	4A			4A		
Circuit diagram						

<b>2</b> Technical data	
Protection	IP67- (EN 60529) When plugged and screwed down
Connection diameter	0.25 mm <sup>2</sup>
Temperature range	- 25...+ 85 °C

**3** Suitable mounting nut **M16 - PG9**

Description	
-------------	--

Part No.	example: <u>16DM</u> <u>R4</u> — <u>PG9</u> — <u>0050</u>
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	<b>1</b> Form	<b>2</b> Nut type	<b>3</b> Cable length
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Notes	
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## M12 CONNECTORS - RECEPTACLES

OVERCONN CIRCULAR CONNECTORS CATALOGUE

A-Code  
B-Code  
D-Code  
Front mounting  
Pre-wired installation

M12 Male



M12 Female



<b>1</b>	Suppression	4-pole	5-pole	8-pole	4-pole	5-pole	8-pole
	Part No.	16MF4	16MF5	16MF8	16FF4	16FF5	16FF8
	A-Code	Male	Male	Male	Female	Female	Female
	Contact layout						
	Supply voltage	250 V AC/DC	125 V AC/DC	60 V AC/DC	250 V AC/DC	125 V AC/DC	60 V AC/DC
	Current per contact (40°C)	4A	4A	2A	4A	4A	2A
	Part No.	16BMF4	16BMF5		16BFF4	16BFF5	
	B-Code	Male	Male		Female	Female	
	Contact layout						
	Supply voltage	250 V AC/DC	125 V AC/DC		250 V AC/DC	125 V AC/DC	
	Current per contact (40°C)	4A	4A		4A	4A	
	Part No.	16DMF4			16DFF4		
	D-Code	Male			Female		
	Contact layout						
	Supply voltage	250 V AC/DC			250 V AC/DC		
	Current per contact (40°C)	4A			4A		
	Circuit diagram						

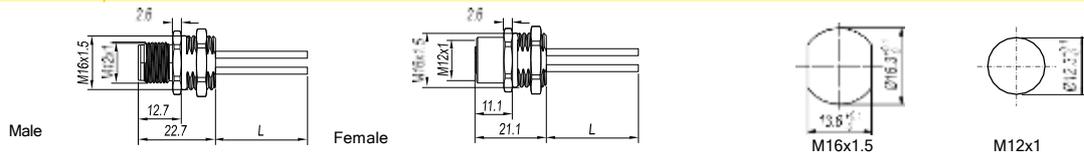


### 2 Technical data

Protection	IP67- (EN 60529) When plugged and screwed down
Connection diameter	0.25 mm <sup>2</sup>
Temperature range	- 25...+ 85 °C

### 3 Suitable mounting nut M16 - M12 - PG9 -M20

#### Description



Part No.

example: 16MF4 - M16 - 0050

**1** Form      **2** Nut type      **3** Cable length

Notes

## M12 CONNECTORS - RECEPTACLES

A-Code  
B-Code  
D-Code  
PCB mounting



M12 Male



M12 Female



<b>1</b>	Suppression	4-pole	5-pole	8-pole	4-pole	5-pole	8-pole
	PCB PartNo.	16MP4	16MP5	16MP8	16FP4	16FP5	16FP8
	Soldering contact	16MR4S	16MR5S	16MR8S	16FR4S	16FR5S	16FR8S
	A-Code Contact layout	Male 	Male 	Male 	Female 	Female 	Female 
	PCB PartNo.	16BMP4	16BMP5		16BFP4	16BFP5	
	B-Code Contact layout	Male 	Male 		Female 	Female 	
	PCB PartNo.	16DMP4			16DFP4		
D-Code Contact layout	Male 			Female 			
<b>2</b>	Suitable mounting nut	M16 - M12 - PG9					
Description				<p>Hole Size</p>			
Part No.		<p>Example: 16MP8 — PG9 — — — — —</p>					
		<b>1</b> Form		<b>2</b> Cable type			
Notes							

## M12 CONNECTORS - RECEPTACLES

A-Code  
B-Code  
D-Code

M12 Male



M12 Female



1	Suppression	M12 Male			M12 Female		
		4-pole	5-pole	8-pole	4-pole	5-pole	8-pole
	PartNo.	16MF4	16MF5	16MF8	16FF4	16FF5	16FF8
	A-Code	Male	Male	Male	Female	Female	Female
	Contact layout						
	PartNo.	16BMF4	16BMF5		16BFF4	16BFF5	
	B-Code	Male	Male		Female	Female	
	Contact layout						
	PartNo.	16DMF4			16DFF4		
	D-Code	Male			Female		
	Contact layout						

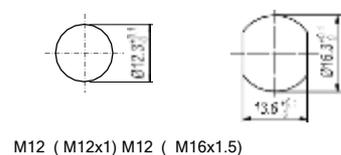
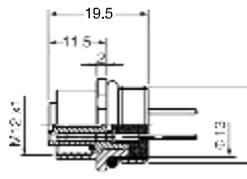
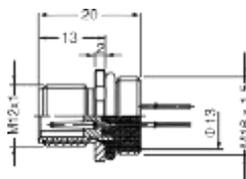
### 2 Suitable mounting nut M16 - M12 - PG9

Description

M12 Male

M12 Female

Hole Size



M12 ( M12x1) M12 ( M16x1.5)

### Part No.

Example: 16BMF5

PG9

1 Form

2 Cable type

Notes

## M12 CONNECTORS

A-Code  
B-Code  
D-Code  
PCB Mounting 90°



M12 Male



M12 Female



1	Suppression	4-pole	5-pole	4-pole	5-pole
A-Code Part No.		16MP94	16MP95	16FP94	16FP95
Contact layout		Male 	Male 	Female 	Female 
B-Code Part No.		16BMP94	16BMP95	16FP94	16FP95
Contact layout		Male 	Male 	Female 	Female 
<b>Technical data</b>					
Supply voltage		250 V AC/DC	125 V AC/DC	250 V AC/DC	125 V AC/DC
Current per contact (40°C)		4A			
IP Protection		IP67- (EN 60529) When plugged and screwed down			
Pull out plug life (time)		≥ 100			
Temperature range		-25...+85°C			
D-Code Part No.		16DFP94		16DFP94	
Contact layout		Male 		Female 	
<b>Technical data</b>					
Supply voltage		250 V AC/DC			
Current per contact (40°C)		4A			
IP Protection		IP67- (EN 60529) When plugged and screwed down			
Pull out plug life (time)		≥ 100			
Temperature range		-25...+85°C			
<b>Description</b>					

Notes

### Y Connection cable



M12  
M12 Male  
M12 Female

### Y Connection



1 port Coupler  
  
M12 Male  
M12 Female

2 port Coupler  
  
M12 Female  
M12 Male



1 port Coupler  
M12 Male

2 port Coupler  
M8 Female



1 port Coupler  
M8 Male

2 port Coupler  
M8 Female

### T Connection



1 port Coupler  
M12 Female

2 port Coupler  
M12 Male  
M12 Female



M12 Male

M12 Male  
M12 Female



1 Power distributor  
M12 Female

2 Power distributor  
7/8" Male  
7/8" Female



7/8" Female

7/8" Male  
7/8" Female

# M12 CONNECTORS - Y Type

M12 - 2 x M8

M8 Female x 2



M12 Male

1		Form	No.	YM12M4M8FF	YM12M3M8FF	
Suppression		4-pole			3-pole	
Circuit diagram		<p>1.Female 2.Female</p> <p>M12 Male</p>			<p>1.Female 2.Female</p> <p>M12 Male</p>	
Contact layout		<p>Male Female</p>			<p>Male Female</p>	
2		Cable type				
Supply voltage		30 V AC/DC				
Current per contact (40°C)		max. 4A				
Protection		IP67- EN 60529) IP67 when plugged and screwed down				
Temperature range		-25...+85°C				
Dimensions H x W x D		42 x 36 x 15 mm				
Description						
Part No.		<p>----- ----- ----- ----- -----</p>				
		<p><b>1</b> Form</p>				
Notes						

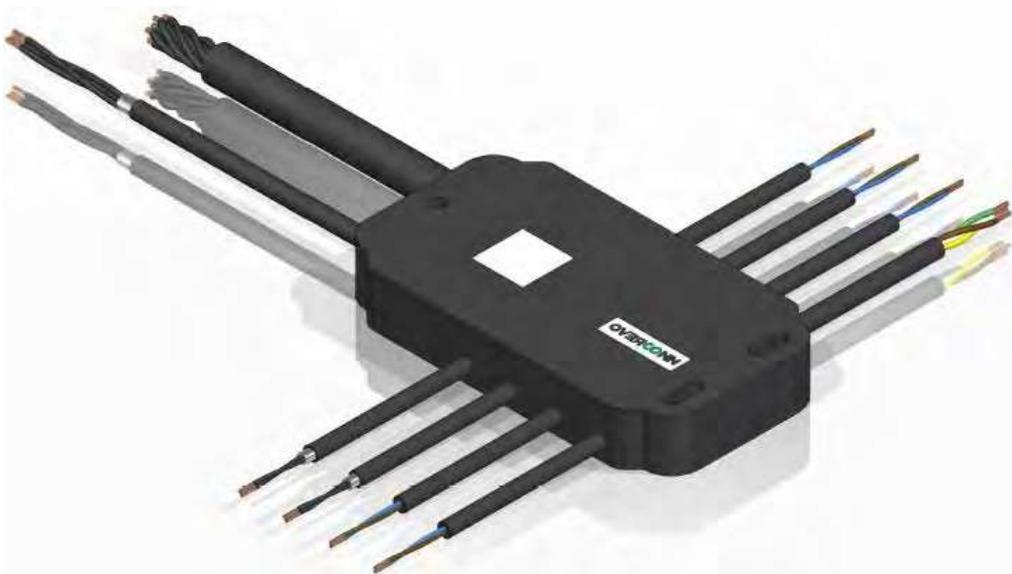


## OVERBOX CONNECTIONS SOLUTIONS FOR ELECTRICAL WIRING

MULTIPLE CONNECTION WITH SOLENOID VALVE CONNECTORS  
CUSTOMIZED ACCORDING TO CUSTOMERS REQUIREMENTS



MULTIPLE INPUTS/OUTPUTS CONNECTION SYSTEM  
CUSTOMIZED ACCORDING TO CUSTOMERS REQUIREMENTS



## M8 CONNECTORS - Y Type

M8 - 2 x M8

M8 Female x 2



M8 Male

1	Form No.	YM8M3FF	YM8M3FFA	YM8M4FF	YM8M4FFA
Suppression		3-pole	3-pole	4-pole	4-pole
Circuit diagram					
Contact layout					
2	Cable type				
	Supply voltage	30 V AC/DC			
	Current per contact (40°C)	max. 2A			
	Protection	IP67- EN 60529) IP67 when plugged and screwed down			
	Temperature range	-25...+85°C			
	Dimensions H x W x D	33 x 23 x 10 mm			
	Description				
	Part No.	<div style="display: flex; justify-content: space-around;"> <div style="border-bottom: 1px dashed black; width: 20%;"></div> </div>			
	1 Form				
	Notes				





## MAIN CABLES CODE

Cable code	Section	N° Wires	Jacket material	Jacket colour	Certification	Shield	Application
100	0,25 mm <sup>2</sup> AWG24	3	PVC	GREY			STATIC
101				BLACK			STATIC
102				BLACK			MOBILE
103			BLACK	UL		STATIC	
104			PUR	BLACK			STATIC
105				BLACK		YES	STATIC
110		4	PVC	GREY			STATIC
111				BLACK			STATIC
112				GREY			MOBILE
113			BLACK	UL		STATIC	
114			PUR	BLACK			STATIC
115				BLACK		YES	STATIC
120		5	PVC	GREY			STATIC
121			PUR	BLACK			STATIC
126	8	PVC	GREY			STATIC	
127		PUR	GREY			STATIC	
130	0,34 mm <sup>2</sup> AWG22	3	PVC	GREY			STATIC
131				BLACK			STATIC
132				BLACK			MOBILE
133			BLACK	UL		STATIC	
134			PUR	BLACK			STATIC
135				BLACK		YES	STATIC
136		BLACK			MOBILE		
140		4	PVC	GREY			STATIC
141				BLACK			STATIC
142				GREY			MOBILE
143			BLACK	UL		STATIC	
144			PUR	BLACK			STATIC
145				BLACK		YES	STATIC
150		5	PVC	GREY			STATIC
151	PUR		BLACK			STATIC	
15	0,50 mm <sup>2</sup>	2	PVC	GREY			STATIC
16				BLACK			STATIC
17		PUR	BLACK			STATIC	
18		3	PVC	GREY			STATIC
19				BLACK			STATIC
20				BLACK			STATIC
21		4	PVC	BLACK			STATIC
22	0,75 mm <sup>2</sup>	2	PVC	Grigio			STATIC
23		2	PVC	Nero			STATIC
24		3	PVC	Nero			STATIC
25		3	PVC	Nero	UL		STATIC
26		3	PUR	Nero			STATIC
27		4	PVC	Nero			STATIC
28		4	PUR	Nero			STATIC

Ask for additional Circular Connectors catalogue chapters

## INDEX CHAPTER 2

- M12 CONNECTORS POWER (S, T, L, K-Code)
  - Field Wireable
  - S-CODE - Open ended wires and Jumpers
  - T-CODE - Open ended wires and Jumpers
  - L-CODE - Open ended wires and Jumpers
  - L/T CODE - Jumpers
  - S-CODE - Open ended wires and Jumpers, Shielded
  - T-Code - Open ended wires and Jumpers, Shielded
  - K-CODE - Open ended wires and Jumpers
  - T-CODE - 7/8" connectors Jumpers
  - T-CODE - 7/8" Connectors Jumpers Shielded
  - L-CODE - 7/8" Connectors Jumpers
  - Receptacles
- 7/8" Power Connectors
  - Field Wireable
  - Open eded wires
  - Jumpers
  - Receptacles
- Profibus
- Device Net, CANopen
- Profinet, Ethernet IP, EtherCAT, CAT5e, CAT6A, M12 X Type
- CC-Link
- AS-i Passive Distributor



## INDEX CHAPTER 3

- SUBCON BUS CONNECTORS
- D-SUB CONNECTORS