

M23 ROUND PLUG CONNECTORS MADE FOR DISTRIBUTION BOXES

- Highly resistant, halogen-free molding
- Safely sealed – acc. to IP67
- Reliable – 100% tested

COMPACT CONNECTOR FOR SAFE SIGNAL TRANSFER

Murrelektronik's M23 connectors are specially designed for distribution systems with M23 connections. They ensure a safe signal transfer from the distribution box to the control cabinet and a safe power supply to the distributor as well as the sensors and actuators connected to it.

With Open Ended Wires



- M23 female, 12-pole**
- Straight/90°
 - For unshielded distribution boxes

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- M23 female, 19-pole**
- Straight/90°
 - For unshielded distribution boxes

Page 3.8.2



- M23 female, 12- and 19-pole**
- Straight
 - For shielded distribution boxes

Page 3.8.3

Field-Wireable



With solder connection

- M23 female, 12- and 19-pole**
- Straight/90°
 - For unshielded distribution boxes

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M23 ROUND PLUG CONNECTORS

Open ended wires

– 12-pole

Female

straight



Female

90°



1 Form	23051	23151
Type	11-pole used for 8-way distribution box, 4-pole	11-pole used for 8-way distribution box, 4-pole
Circuit diagram		
Contact layout	<p>Female</p>	
2 Cable Type	Jacket Color – No./diameter of wires	
PUR/PVC	gray 362 – 8 × 0.34 + 3 × 0.75 mm ²	gray 362 – 8 × 0.34 + 3 × 0.75 mm ²
3 Cable Length		
5.0 m	0500	
10.0 m	1000	
15.0 m	1500	
Technical Data		
Operating voltage	max. 125 V AC/DC	
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)	
Temperature range	-25...+85 °C, depending on cable quality	
Article No.		
The composition of your article number is explained on page 3.1.i	<p>7 0 0 0 – _____ – _____</p>	
	1 Form	2 Cable Type
		3 Cable Length
Notes	Other versions on request.	

M23 ROUND PLUG CONNECTORS

Open ended wires

– 19-pole

Female

straight



Female

90°



1 Form

23251

23351

Type

19-pole used
for 8-way distribution boxes, 5-pole

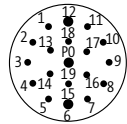
19-pole used
for 8-way distribution boxes, 5-pole

Circuit diagram

15	white
7	gray/pink
5	green
4	red/blue
	yellow
16	white/green
8	gray
3	brown/green
14	pink
17	white/yellow
9	red
2	yellow/brown
13	black
11	white/gray
10	violet
1	gray/brown
18	brown 1.0mm ²
19	blue 1.0mm ²
6	green/yellow 1.0mm ²
12	

Contact layout

Female



2 Cable Type

Jacket Color – No./diameter of wires

PUR/PVC

gray
398 – 16 × 0.34 + 3 × 0.75 mm²

gray
398 – 16 × 0.34 + 3 × 0.75 mm²

PUR (UL/CSA)

452 – 16 × 0.5 + 3 × 1.0 mm²

452 – 16 × 0.5 + 3 × 1.0 mm²

3 Cable Length

5.0 m

0500

10.0 m

1000

15.0 m

1500

Technical Data

Operating voltage

max. 125 V AC/DC

Protection

IP65 and IP67 when plugged and screwed down (EN 60529)

Temperature range

-25...+85 °C, depending on cable quality

Article No.

The composition of your article number is explained on page 3.1.i

7 0 0 0 – – – – –

1 Form

2 Cable Type

3 Cable Length

Notes

Other versions on request.

M23 ROUND PLUG CONNECTORS

Open ended wires

– 19-pole

– shielded

Female

straight



1 Form	23711	23751	
	Type 11-pole used for 4-way distribution boxes, 5-pole	Type 19-pole used for 8-way distribution boxes, 5-pole	
Circuit diagram			
Contact layout	<p>Female</p>		
2 Cable Type	Jacket Color – No./diameter of wires		
PUR (UL/CSA)	gray 373 – 8 × 0.34 + 3 × 0.75 mm ²	gray 401 – 16 × 0.34 + 3 × 0.75 mm ²	
3 Cable Length			
5.0 m	0500		
10.0 m	1000		
15.0 m	1500		
Technical Data			
Operating voltage	max. 125 V AC/DC		
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)		
Temperature range	-25...+85 °C, depending on cable quality		
Article No.			
The composition of your article number is explained on page 3.1.i	<div style="display: flex; justify-content: space-around; align-items: center;"> 7 0 0 0 - - </div>		
	1 Form	2 Cable Type	3 Cable Length
Notes	Other versions on request.		

M23 ROUND PLUG CONNECTORS

- Field-wireable
- 12-pole or 19-pole
 - Solder connection

Female
straight



Female
90°



1 Form	23061	23261	23161	23361
Type	12-pole for 4...8-way distribution boxes, 4-pole	19-pole for 4...8-way distribution boxes, 5-pole	12-pole for 4...8-way distribution boxes, 4-pole	19-pole for 4...8-way distribution boxes, 5-pole
Circuit diagram				
Contact layout	Female 	Female 	Female 	Female
Technical Data				
Operating voltage	max. 125 V AC/DC			
Operating current per contact	max. 8 A			
Connection cross section	max. 1 mm ²			
Sealing range (cable diameter)	8...14 mm			
Connection	Solder buckets			
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)			
Temperature range	-25...+85 °C			
Article No.				
The composition of your article number is explained on page 3.1.i	<u>7</u> <u>0</u> <u>0</u> <u>0</u>	-	-	<u>0</u> <u>0</u> <u>0</u> <u>0</u>
	1 Form			
Notes	Other versions on request.			