

THE MQ12 SYSTEM THE CLEVER SOLUTION

- Effective quick connection system
- Saves installation time – up to 80%
- Plug in, ¼ turn – done!

COMPATIBLE, QUICK AND SAFE

Simply clever – it's our quick connection system that doesn't require any changes on the sensor side. MQ12 is completely compatible and interchangeable with all standard systems.

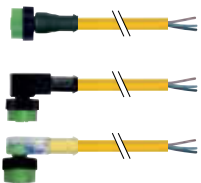
More features:

- Fits on all existing sensor and distributor systems
- High resistance to shock and vibration
- IP67 sealed



Murrelektronik's Efficient
Quick Connection System

With Open Ended Wires



MQ12 female

- Straight
- 90°
- 90° with LED

Page 3.5.1

Connection Cables



MQ12 male

- Straight

MQ12 female

- Straight
- 90°
- 90° with LED

Page 3.5.3

Field-Wireable



Insulation displacement technology

MQ12 male/female

- Straight

Page 3.5.5

MQ12 ROUND PLUG CONNECTORS

Open ended wires

- M12

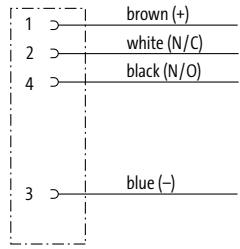

Female
straight



Female
90°



Approvals:  

1 Form	12221	12341
Type	4-pole	4-pole
Circuit diagram		
Contact layout	<p>Female</p> 	
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 0.34 mm ²	yellow black	yellow black
PVC (UL/CSA)	014 614	014 614
PUR (UL/CSA)	034 634	034 634
3 Cable Length		
1.5 m	0150	
3.0 m	0300	
5.0 m	0500	
7.5 m	0750	
10.0 m	1000	
Technical Data		
Operating voltage	max. 250 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 5 0 - - - - - - - - - -</p>	
	1 Form	2 Cable Type 3 Cable Length
Notes	Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.	

MQ12 Round Plug Connectors

MQ12 ROUND PLUG CONNECTORS

Open ended wires

- M12

Approvals:  

Female
90° with LED



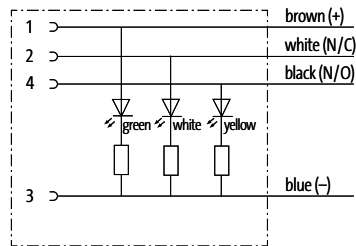
1 Form

1 2 4 2 1

Type

4-pole with 3 × LED (PNP)

Circuit diagram



Contact layout

Female



2 Cable Type

Jacket Color

Wire diameter 0.34 mm²

PVC (UL/CSA)

PUR (UL/CSA)

yellow	black
014	614
034	634

3 Cable Length

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

Technical Data

Operating voltage	24 V DC ±25 %
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 5 0

-

1 2 4 2 1

-

1

Form

2

Cable Type

3

Cable Length

Notes

Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.

MQ12 ROUND PLUG CONNECTORS

Connection cables

– M12 - M12

Male
straight

Female
straight

Male
straight

Female
90°



Approvals:

1 Form	40021	40121
Type	4-pole	4-pole
Circuit diagram		
Contact layout		
2 Cable Type	Jacket Color	Jacket Color
Wire diameter 0.34 mm ²	yellow	black
PVC (UL/CSA)	014	614
PUR (UL/CSA)	034	634
3 Cable Length		
0.3 m	0030	
0.6 m	0060	
1.0 m	0100	
1.5 m	0150	
2.0 m	0200	
Technical Data		
Operating voltage	max. 250 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 5 0 - - - - - - - - - -	
	1 Form	2 Cable Type
		3 Cable Length
Notes	Other versions on request. Differing cable lengths up to 2 m can be ordered in 0.2 m steps, from 2 m on in 0.5 m steps.	

MQ12 ROUND PLUG CONNECTORS

Connection cables

– M12 - M12

Male

straight

Female

90° with LED



Approvals:   

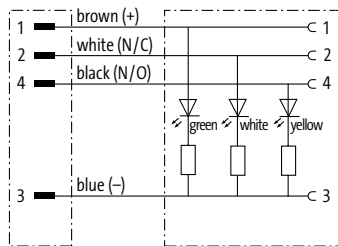
1 Form

40341

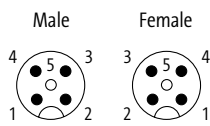
Type

4-pole with 3 × LED (PNP)

Circuit diagram



Contact layout



2 Cable Type

Jacket Color

Wire diameter 0.34 mm²

PVC (UL/CSA)

PUR (UL/CSA)

yellow	black
014	614
034	634

3 Cable Length

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

Technical Data

Operating voltage	24 V DC ±25 %
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Article No.

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

7 0 5 0 - 4 0 3 4 1 - _ _ _ _

1 Form **2** Cable Type **3** Cable Length

Notes

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MQ12 ROUND PLUG CONNECTORS

Labeling accessories			Art-No.
	Slip-on cable sleeve for ACS label plates (4 × 18 mm)	Cable diameter (4...6.5 mm)	7000-99004-0000000
	Snap-on cable sleeve for ACS label plates (4 × 18 mm)	Cable diameter (4.2...5.6 mm)	7000-99005-0000000
	for ACS label plates (4 × 18 mm)	Cable diameter (5...7 mm)	7000-99006-0000000
	ACS label plate for self marking (4 × 18 mm)	Cable sleeves	7000-99002-0000000
End fitting accessories			Art-No.
	Tube adapter snap-in for corrugated tube (size 13mm)	Cable diameter (4...7 mm)	7000-99081-0000000