

# Impulse

## NEWS

### RATIONIK®

"RATIONIK" stands for classified orientated systems solutions. Our goal is to use the rationalization effects. We are focused on the projection, installation, manufacture and troubleshooting. Through this we achieve individual customized solutions.



### ADVANTAGE

Compared to conventional connection methods:

- Easy mounting
- No additional tools necessary
- No need to strip individual wires
- Pull-relief ensured by seal and union nut – therefore no additional parts

### VARIATIONS

- M8 straight:  
3-pole 0.14 - 0.34 mm<sup>2</sup>  
male and female
- M12 straight:  
4-pole 0.14 - 0.34 mm<sup>2</sup>  
male and female

## Plugged - what else!

### Quick connection MOSA, M12 and M8 adapter New compact form

Circular connectors are used in an ever more varied range of applications – sensor and actuator supply lines, connecting cables to machine control systems and devices, and much more.

The quick connection system for circular connectors is designed for round cables with a maximum of 4 individual wires.

The quick connection system drastically reduces wiring time to compared conventional connection systems. Handling is easy and fast.

#### Procedure:



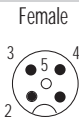
- Cut round cable to length and strip insulation
- Fit union nut, seal and splice ring
- The individual wires are contacted automatically in the insulation displacement contact by screwing down the union nut









OVERVIEW - MOUNTING	PLUG SIDE	CONNECTION SIDE

# Plugged - what else!

Quick connection MOSA, M12 and M8 adapter  
New complete form

MOSA M12		
<b>Contact layout</b>	4-pole	
	Male 	Female 
<b>Ordering data</b>	<b>Art.-Nr.</b>	<b>Art.-Nr.</b>
Straight version	7000-12491-0000000	7000-12611-0000000
<b>Technical data</b>		
Connection diameter	0.14...0.34 mm <sup>2</sup> AwG 26...22	
Outer cable diameter	4...5.1 mm	
Outer wire diameter	1.2...1.6 mm	

MOSA M8		
<b>Contact layout</b>	3-pole	
	Male 	Female 
<b>Ordering data</b>	<b>Art.-Nr.</b>	<b>Art.-Nr.</b>
Straight version	7000-08331-0000000	7000-08371-0000000
<b>Contact layout</b>	4-pole	
	Male 	Female 
<b>Ordering data</b>	<b>Art.-Nr.</b>	<b>Art.-Nr.</b>
Straight version	7000-08351-0000000	7000-08391-0000000
<b>Technical data</b>		
Connection diameter	0.14...0.34 mm <sup>2</sup> AwG 26...22	
Outer cable diameter	black gasket 3.2...4.4 mm transparent gasket 4.2...5.4 mm	
Outer wire diameter	1.2...1.6 mm	

General data	
Supply voltage	32 V
Isolation group	category III to VDE 0110
Current per contact	max. 4 A
Wire isolation	PVC, PP, TPE
Conductor diameter	≥ 0.1 mm (to DIN VDE 0812)
Protection	IP 67 when plugged and screwed down (DIN 40050)
Round plug connector	application class HNA (to DIN 40040)
Temperature range	-5...+50° C

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The information contained in this brochure is deemed to be accurate and up-to-date. Murrelektronik accepts no liability for any changes made to the products of information contained within this brochure.

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