CON-M16-Bronkhorst

Socket version

The socket version CON-M16-Bronkhorst was specially designed for the mass flow controller EL-Flow series from Bronkhorst.
The great advantage of the design is that the spring-loaded terminals make assembly easy and can be done under field conditions. In addition, the robust metal housing offers the possibility of laying the cable shield over a large area and thus ensuring a high level of shielding against EMC interference.

RoHS COMPLIANT

Key commercial data

Packing unit	1 pc
Weight per piece (excluding packing)	67g
Weight per piece (including packing)	90g
Country of origin	Germany

Technical data mechanically

Width (W)	54mm
Height (H)	37,7mm
Depth (D)	20mm

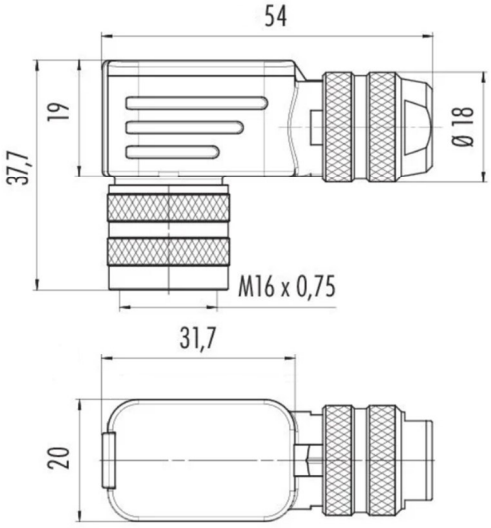

Image: https://www.binder-connector.com

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Ambient temperature (operation)	0°C … 50°C
Ambient temperature (storage/transport)	-20°C … 70°C
Relative humidity	90% without condensation
Mounting position	any
Housing type	Binder 99 5672 750 08
Housing material	Brass nickel plated
Cable diameter	Ø6mm … Ø8mm
Contact material of the connector	Bronze
Contact coating of the connector	Shiny gold plated
Coding rotatable	yes (0°, 90°, 180°, 270°)

Technical data electric

Nominal voltage U_N	48V AC/DC
Nominal current I_N	2A
Protection class	IP67
Connection data PCB terminal	
Connection type	Push-in spring connection
Conductor cross section solid	0,14mm^2 … 0,5mm^2
Conductor cross section flexible	0,25mm^2 … 0,5mm^2
Conductor cross section with ferrule, without plastic sleeve	0,25mm^2 … 0,5mm^2
Conductor cross section with ferrule, with plastic sleeve	0,25mm^2 … 0,34mm^2
Stripping length	6mm
Connection data connector	
Connection type	M16 8-pol socket

Standards and Regulations

Standards/regulations	EN 50581: 02/13

 Subject to change without notice

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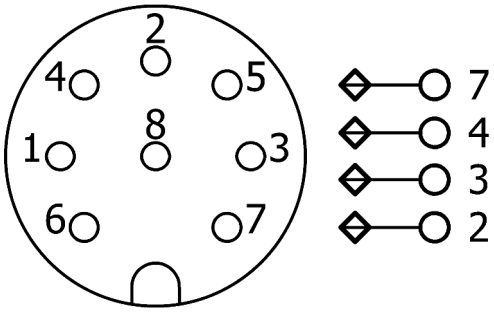
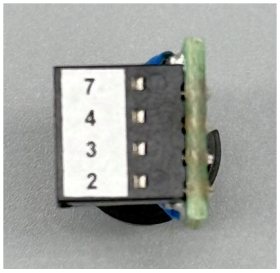
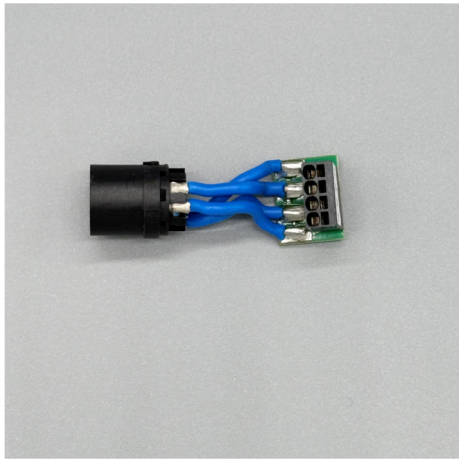
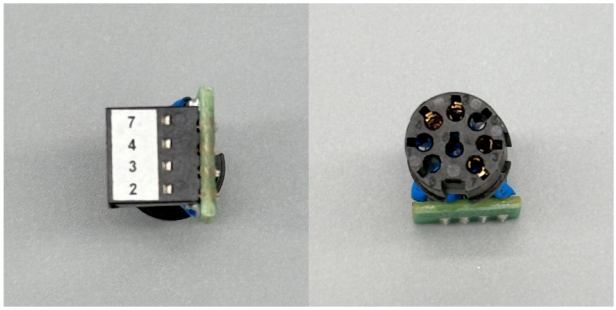
PIN assignment





Pictures





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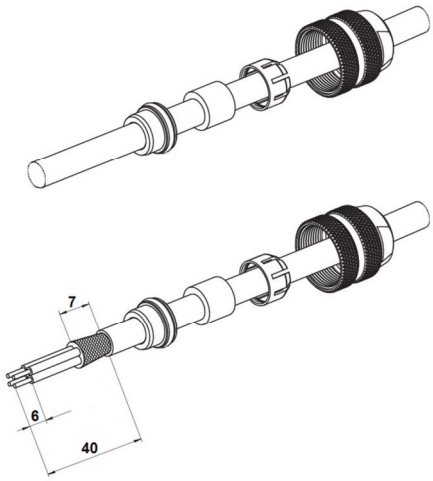
Assembly instructions

1. Thread the clamping screw, clamping basket, sealing ring, and shielding ring.
2. Strip the cable, shorten the shield, and fold it over the shielding ring.
3. Pass the cable through the housing and fix it with the clamping screw.
4. Insert the twist sleeve according to the desired orientation (0°, 90°, 180°, 270°).
5. Strip the individual wires and insert them into the push-in spring connection with or without ferrules.
6. Mount the contact insert with the spacer sleeve, slightly loosen the clamping screw, and put on the cover. Then fix the cover and the cable with the clamping screw.



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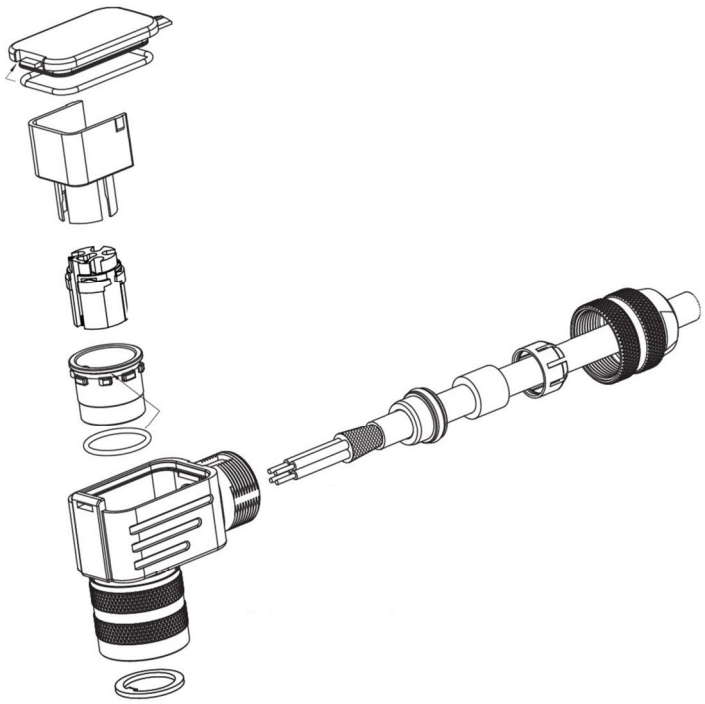
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