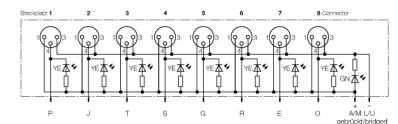
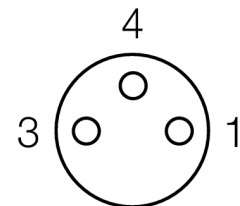
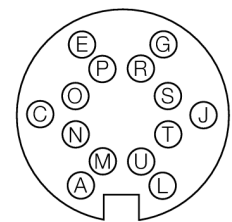
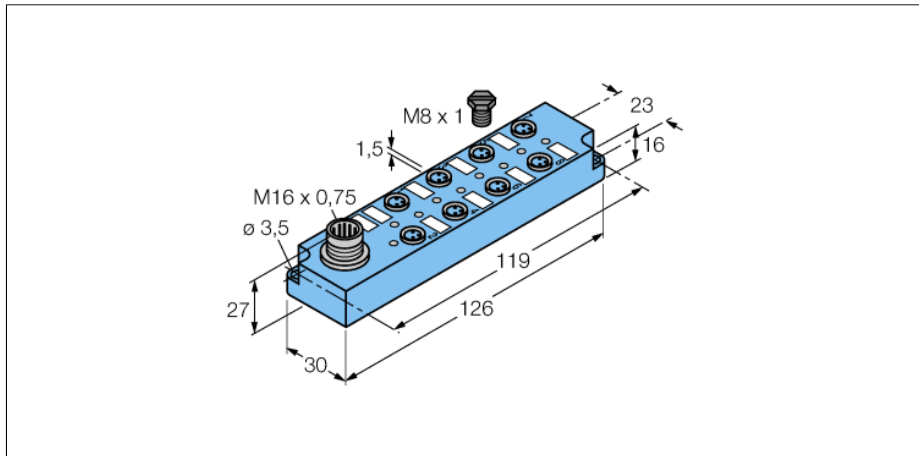


**actuator/sensor junction systems, M8 x 1/Ø 8mm
8-port box, M8 x 1, M16 x 0,75 connector
8MBM8-3N2**

- robust, fully encapsulated actuator/sensor box
- degree of protection IP67
- double-row design for optimum handling
- npn and npn circuitry

Wiring diagram



Type code	8MBM8-3N2
Ident no.	8021608
<hr/>	
I/O junction box	8-port, screwable
Housing	plastic, PA 6 GF, blue
Number of pins	3
Operating voltage	LED green
Display switch state	LED yellow
Number of LEDs	9
Switching function	npn, npn version also available
I/O port	female connector, M8 x 1
Polarity	3-pole
Connector B side	female connector
Thread insert	metal, CuZn, nickel-plated
Contact carriers	plastic, PA 6 GF, blue
Contacts	metal, CuZn, gold-plated
Seal	plastic, FPM/FKM
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
<hr/>	
male flange connectors	M16 x 0.75
Number of pins	14-pole
Contact carriers	plastic, PBT, black
Contacts	metal, CuZn, gold-plated
Flange housing	metal, GD-Zn, nickel-plated
Mechanical lifespan	> 100 contact durability
<hr/>	
Rated voltage [Umax]	10 30V
Ampacity	2 A per signal contact, total current 6 A
Forward resistance	≤ 5 mΩ
Insulation resistance	≥ 10 ⁸ Ω
Ambient temperature junction	-30 ... +90°C
Degree of protection	IP67
	only in screwed-on condition
Pollution degree	3