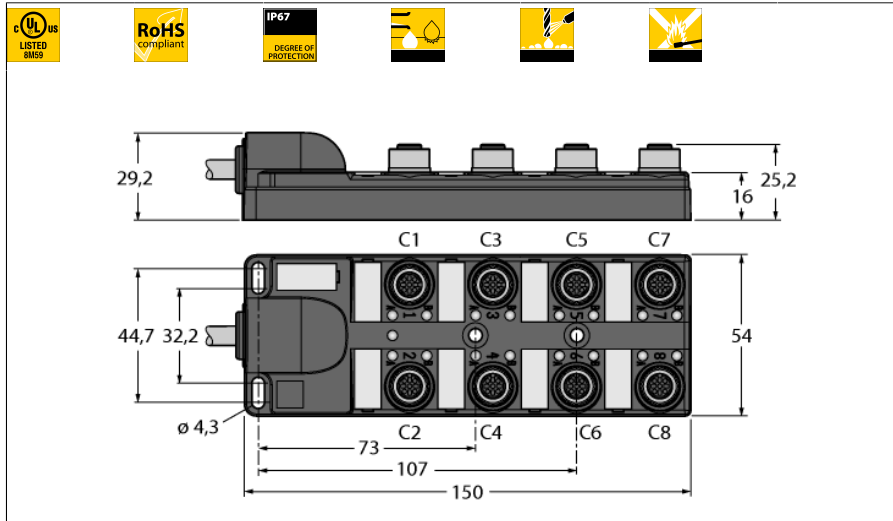
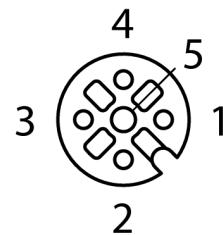


Passive Actuator/Sensor Box, M12 × 1 With Homerun Cable, 8-port TB-8M12-5P3-3/TXL



- Housing material: Nylon
- Housing color: black
- Protection class IP67
- RoHS-compliant
- CE compliant
- LED (PNP circuit)
- I/O port (number of pins): 4-pin + PE



Type designation

Ident no.

TB-8M12-5P3-3/TXL

100031432

Housing

 Display operating voltage
 Display switching state
 Switching function

 Plastic, PA, Black
 LED, green
 LED, yellow
 PNP

I/O port

 Number of Pins
 Contacts
 Contact carriers
 Seal
 Mechanical lifespan

 M12 x 1
 4+PE
 Brass, CuZn, Gold-plated
 Plastic, PA, Black
 Plastic, FPM/FKM
 > 100 Mating cycles

Group terminal

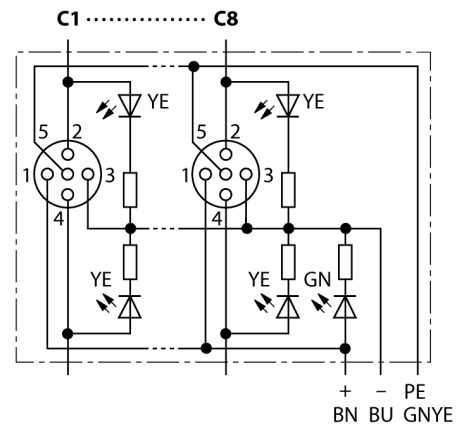
Cable

Cable diameter

 Cable length
 Cable jacket
 Core insulation
 Core colors
 Core colors
 Core cross-section
 Cable conductor cross-section

 10.39mm
 3 m
 PUR, Black
 PVC
 VT, RD, GY, GN, BK, WH, PK, YE, RDBU, GYPK,
 WHGN, WHYE, WHGY, YEEN, BNGN, GYBN
 BN, BU, GNYE
 16 x 0.32 mm²
 3x 0.82 mm²

Circuit Diagram



Electrical properties at +20 °C

 Rated voltage
 Current
 Insulation resistance
 forward resistance

 30VV
 2 A per signal contact, total current 6 A
 $\geq 10^8 \Omega$
 $\leq 5 \text{ m}\Omega$

Mechanical and chemical properties

 Bending radius (stationary installation)
 Bending radius (flexible use)
 Ambient temperature
 Ambient temperature range (stationary)

 $\geq 5 \times \varnothing$
 $\geq 15 \times \varnothing$
 $-40 \dots +85^\circ\text{C}$

Passive Actuator/Sensor Box, M12 × 1

With Homerun Cable, 8-port

TB-8M12-5P3-3/TXL

Wiring

Port/Pin	C1/2	C1/4	C2/2	C2/4	C3/2	C3/4	C4/2	C4/4
M23 flange	7	15	4	5	8	16	14	3
Cable	GYPK	WH	RDBU	GN	WHGN	YE	BNGN	GY

Port/Pin	C5/2	C5/4	C6/2	C6/4	C7/2	C7/4	C8/2	C8/4
M23 flange	9	17	13	2	10	11	18	1
Cable	WHYE	PK	YEBN	RD	WHGY	BK	GYBN	VT

Power C1-C8	24V	0V	PE
M23 flange	19	6	12
Cable	BN	BU	GNYE

Scope of delivery

Device	Quantity	Description
Junction boxes	1	Passive actuator/sensor junction box
VS-M12-BK	2	Closure caps for M12 female connectors
KS9/20	9	Labels

Accessories

Ident-No.	Designation	Description
6900196	CK19-0	Field-wireable female M23, 19-pin, straight
6930225	CS19-0	Field-wireable male M23, 19-pin, straight
6625616	RKC5T-2-RSC5T/TXL	Actuator/sensor cable, female M12 - male M12, straight, 5-pin, 2 m *
6936055	VS-M12-BK	Closure caps for M12 female connectors
8015002	KS9/20	Labels

* Other lengths available on request