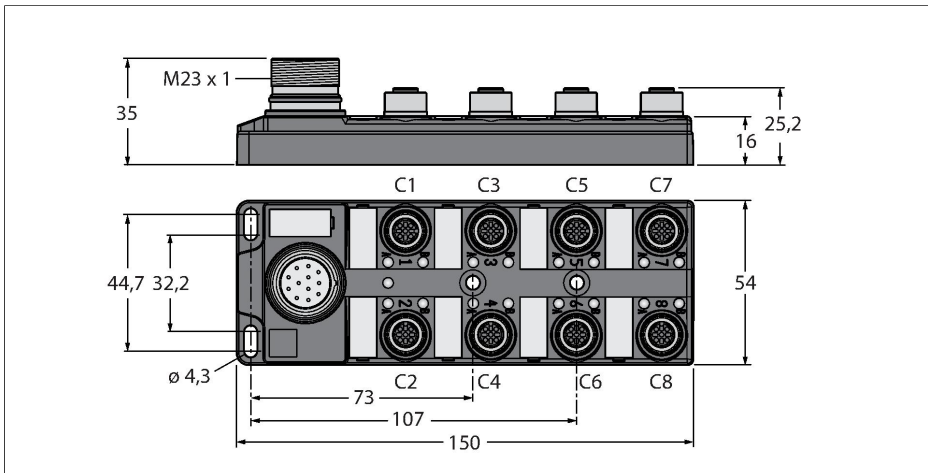


TB-8M12-4P2-CS12T

Passive Actuator/Sensor Box, M12 × 1 – 8-port, with M23 Connector for Supply Cable



Technical data

Type	TB-8M12-4P2-CS12T
ID no.	6611942
Distributed I/O	8, with male end M23 x 1
Housing	Plastic, PA, Black
Display operating voltage	LED, green
Display switching state	LED, yellow
Switching function	PNP
I/O port	M12 x 1
Number of Pins	3+PE
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PA, Black
Seal	Plastic, FPM/FKM
Mechanical lifespan	> 100 Mating cycles
Group terminal	M23
Connector B	Male Receptacle, M23 × 1
Number of pins	12
Contacts	Metal, CuZn, Gold-plated
Contact carriers	PBT, Black
Seal	Plastic, NBR
Mechanical lifespan	> 100 Mating cycles
Electrical properties at +20 °C	
Rated voltage	30 V
Current	2 A per signal contact, total current 9 A
Insulation resistance	≥ 10 ⁸ Ω
forward resistance	≤ 5 mΩ

Features



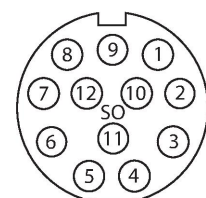
- Housing material: Nylon
- Housing color: black
- Protection class IP67
- RoHS-compliant
- CE compliant
- LED (PNP circuit)
- I/O port (number of pins): 3-pin + PE

Contact assignment

I/O Connector



M23 × 1 Male Receptacle

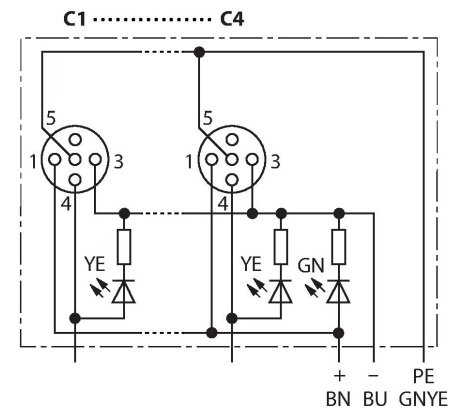
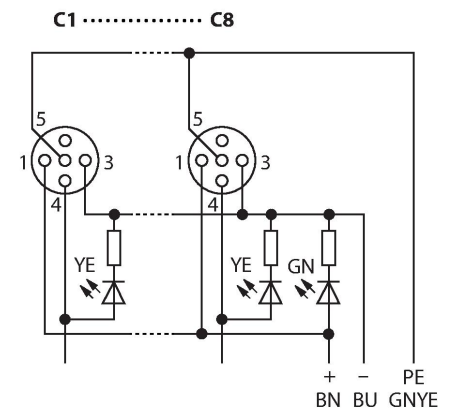


Technical data

Mechanical and chemical properties

Ambient temperature range (stationary) -40 °C...+85 °C

Circuit Diagram



Wiring

Port/Pin	C1/4	C2/4	C3/4	C4/4	C5/4	C6/4	C7/4	C8/4
M23 flange	1	2	3	4	5	6	7	8
Cable	WH	GN	YE	GY	PK	RD	BK	VT

Power C1-C8	24 V	0 V	PE
M23 flange	11	9 + 10	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
6900197	CK12-0	Field-wireable female M23, 12-pin, straight
6931889	CS12-0	Field-wireable male M23, 12-pin, straight
6931780	CKCM12-11-5/S90	Connection cable, M23 female, straight, 12-pin, 5 m*
6931781	CKCM12-11-10/S90	Connection cable, M23 female, straight, 12-pin, 10 m*
6931885	CKCWM12-11-5/S90	Connection cable, M23 female, angled, 12-pin, 5 m*
6931886	CKCWM12-11-10/S90	Connection cable, M23 female, angled, 12-pin, 10 m*
6931782	CSCM-CK-CM12-11-5/S90	Extension cable, male M23 - female M23, straight, 12-pin, 5 m *
6931783	CSCM-CK-CM12-11-10/S90	Extension cable, male M23 - female M23, straight, 12-pin, 10 m *
6931887	CSCM-CK-CWM12-11-5/S90	Extension cable, male M23 straight - female M23 angled, 12-pin, 5 m *
6931888	CSCM-CK-CWM12-11-10/S90	Extension cable, male M23 straight - female M23 angled, 12-pin, 10 m *
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