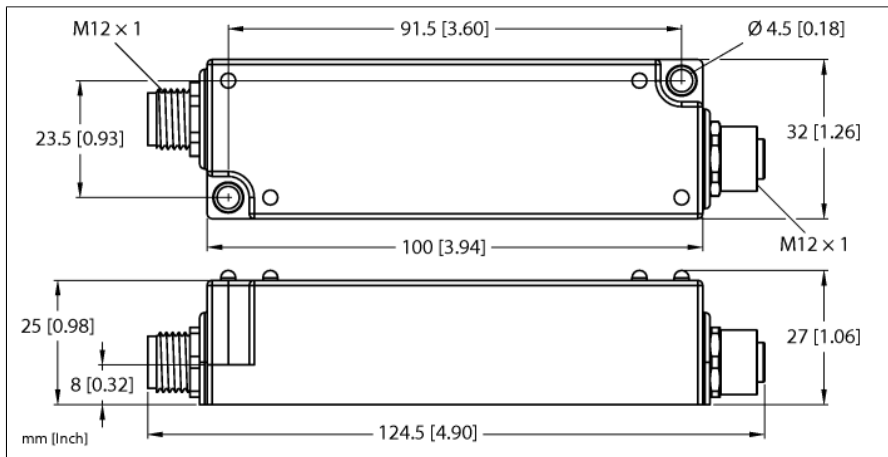


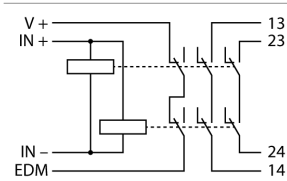
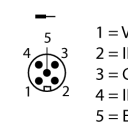
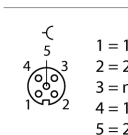
Machine Safety Decoupling Box TBSB-I1-CS04



- Polycarbonate/ABS
- IP67
- Input connector M12 A coded for safety-related decoupling of OSSD outputs via mechanical contacts
- Electromechanical switch box for decoupling OSSD signals with potential-free contacts
- Switching off of outputs, M12 X1 input PIN 4 and PIN 2 via external safety module
- EDM feedback circuit for monitoring, M12 output PIN 5 via external safety module
- Shutdown with potential-free contacts up to PLe according to EN ISO 13849-1 via M12 X2 contact 1 PIN 1 and PIN 4, contact 2 PIN 2 and PIN 5

Type	TBSB-I1-CS04
ID	100012761
Supply	
Supply voltage	24 VDC
Admissible range	19.2...27.6 VDC
System power supply	24 VDC
Voltage supply connection	M12
Switching current	4 A
Electrical isolation	Galvanic isolation between OSSD signal input and output, contact-based
Power dissipation, typical	≤ 2 W
Safety Data	
	B10d = 90.000 cycles contactor with nominal load conforming to EN/ISO 13849-1
PL acc. to EN ISO 13849-1	Level e
Category acc. to DIN EN 13849-1:2008	4
DC acc. to ISO 13849-1:2008	0-99
SIL acc. to IEC 61508	3
Useful Lifetime	20 years
Max. power on time	20 cyc/h
Connectivity inputs	M12, 5-pin
Connectivity outputs	M12, 5-pin
Standard/Directive conformity	
Directive	2006/42/EC Machine Directive 2014/35/EC Low Voltage Directive 2014/30/EC EMC Directive
Shock test	acc. to EN 60068-2-27
Drop and topple	acc. to IEC 60068-2-31/IEC 60068-2-32

General Information	
Ambient temperature	-25...+40 °C
Storage temperature	-25...+50 °C
Altitude	Max. 2000 m
Protection class	IP67
Housing material	Polycarbonate/ABS
Ground label material	Polycarbonate/ABS
Halogen-free	yes
Mounting	Cast housing

	Note Circuit diagram	
 1 = V + 2 = IN - 3 = GND 4 = IN + 5 = EDM	Note Input interconnection M12 A coded, with shutdown via PIN 4 and PIN 2 and feedback EDM via PIN 1 and PIN 5. PIN 3 GND	
 1 = 13 2 = 24 3 = n.c. 4 = 14 5 = 23	Note Output of first channel pins 1/13 and 4/14, second channel pins 5/23 and 2/24	