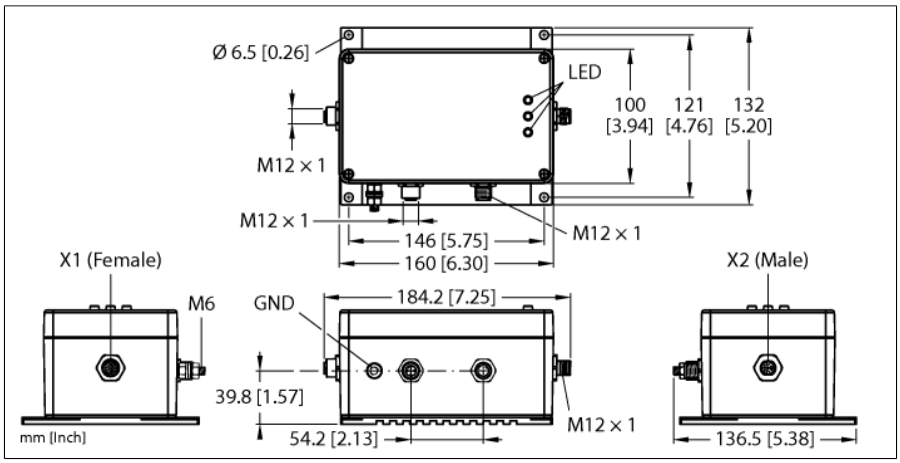
Safety Technology
Switch Box for Disconnecting the Actuator Voltage V2
TBSB-LL-CS16





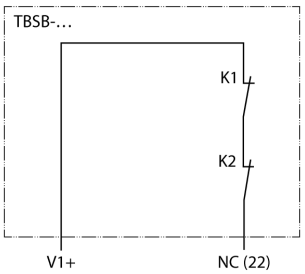
- Die-cast aluminum housing
- M12 males, 5-pin, L-coded, for power supply
- Electromechanical switch-off box
- Voltage V2 disconnected by external safety module via M12 input
- Feedback circuit for monitoring by external safety module via M12 output
- Disconnection up to PLe in accordance with EN ISO 13849-1 possible

ID	100003275
Supply	
Supply voltage	24 VDC
Admissible range	19.2…27.6 VDC
System power supply	24 VDC
Voltage supply connection	M12, L-coded
Switching current	16 A
Electrical isolation	Galvanic isolation of the voltage groups V1 and V2; voltage resistant up to 500 VDC
Power dissipation, typical	≤ 5 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	3600 cyc/h
Connectivity inputs	M12, 5-pin
Connectivity outputs	M12, 5-pin
Standard/Directive conformity	
Directive	2006/42/EC Machine Directive 2014/30/EC EMC Directive 2014/35/EC Low Voltage Directive
Shock test	acc. to EN 60068-2-27
Drop and topple	acc. to IEC 60068-2-31/IEC 60068-2-32

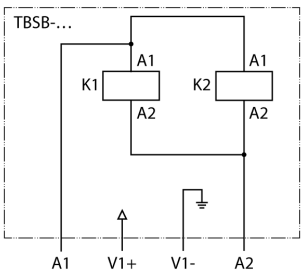
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General Information	
Ambient temperature	-25…+40 °C
Storage temperature	-25…+50 °C
Altitude	Max. 2000 m
Protection class	IP65
Housing material	Die-cast aluminum housing
Material screw	303 stainless steel
Ground label material	Aluminum
Halogen-free	yes
Mounting	Screwed together

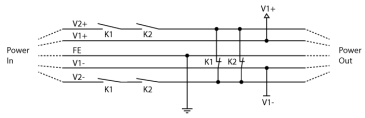
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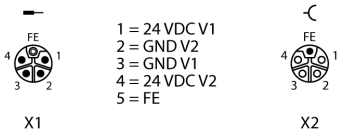
Accessories
EDM — feedback circuit



Accessories
ES — switch-off circuit for connecting a secure switch-off signal



Accessories
Operation of the switch-off box, power unit



Accessories
Pin assignment for M12 power L-coded power supply

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