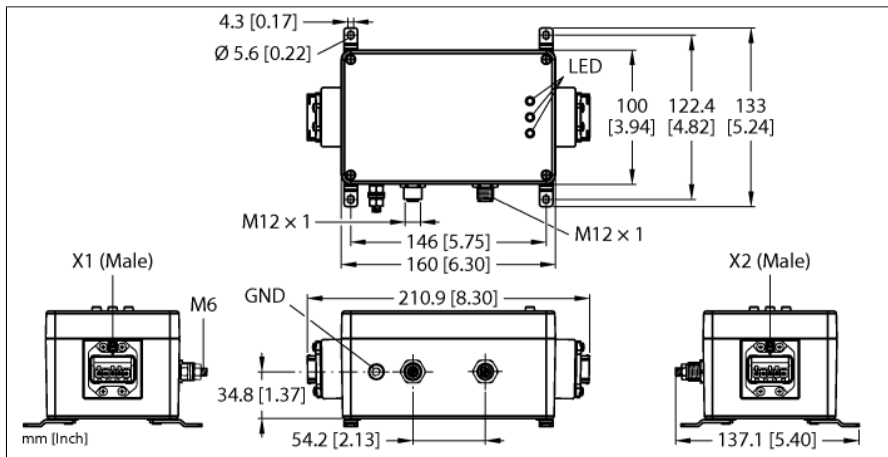


Safety Technology

Switch Box for Disconnecting the Actuator Voltage V2

TBSB-A1-CS12



- Die-cast aluminum housing
- AIDA males, 5-pin, 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

Type	TBSB-A1-CS12
ID	100003274
Supply	
Supply voltage	24 VDC
Admissible range	19.2...27.6 VDC
System power supply	24 VDC
Voltage supply connection	AIDA
Switching current	12 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 = 175.000 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
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Connectivity outputs	M12, 5-pin
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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

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	Bolted die-cast aluminum housing

	Note EDM — feedback circuit Extension cable (example): RK 4.4T-2-RS 4.4T ident-no. U2445 or RKC4.4T-2-RSC4.4T/TEL ident-no. 6625208	Pin assignment 1 = V1+ 2 = n.c. 3 = GND 4 = NC (22) 5 = n.c.
	Note ES — switch-off circuit for connecting a secure switch-off signal Extension cable (example): RK 4.5T-2-RS 4.5T/S2501 ident-no. U3-01243 or RK4.5T-2-RS4.5T/S2500 ident-no. 6699200	Pin assignment 1 = V1+ 2 = A2 3 = n.c. 4 = A1 5 = GND
	Note Operation of the switch-off box, power unit	
1 = 24 VDC V1 2 = GND V1 3 = 24 VDC V2 4 = GND V2 5 = FE	Note Pin assignment for AIDA connector	