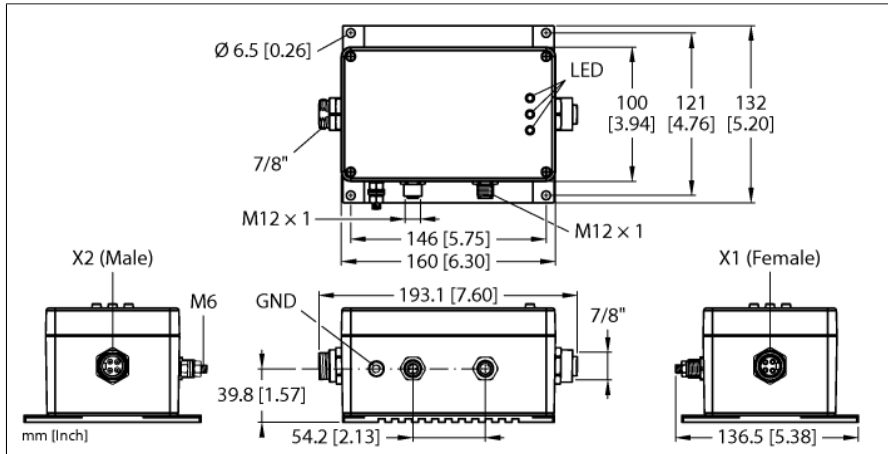


# Safety Technology

## Switch Box for Disconnecting the Actuator Voltage V2

### TBSB-L4-CS09



- Die-cast aluminum housing
- 7/8" males, 4-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-L4-CS09                                                                        |
| ID                         | 100003273                                                                           |
| <b>Supply</b>              |                                                                                     |
| Supply voltage             | 24 VDC                                                                              |
| Admissible range           | 19.2...27.6 VDC                                                                     |
| System power supply        | 24 VDC                                                                              |
| Voltage supply connection  | 7/8", 4-pin                                                                         |
| Switching current          | 9 A                                                                                 |
| Electrical isolation       | Galvanic isolation of the voltage groups V1 and V2; voltage resistant up to 500 VDC |
| Power dissipation, typical | ≤ 5 W                                                                               |

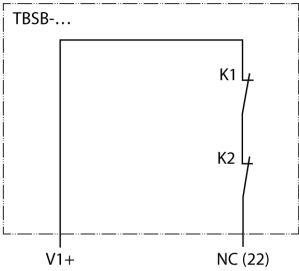
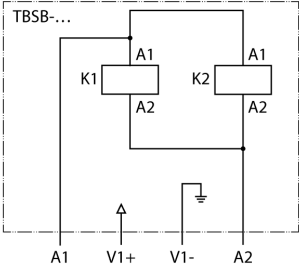
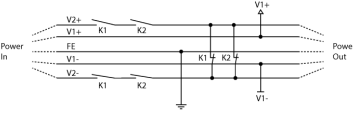
|                                      |                                                                                |
|--------------------------------------|--------------------------------------------------------------------------------|
| <b>Safety Data</b>                   |                                                                                |
|                                      | B10d = 300.000 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 |
|----------------------|------------|

|                                      |                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------|
| <b>Standard/Directive conformity</b> |                                                                                              |
| Directive                            | 2006/42/EC Machine Directive<br>2014/30/EC EMC Directive<br>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              | Screwed together          |

|                                                                                     |                                                                                                                                                                                                                       |  |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|    | <p><b>Accessories</b></p> <p>EDM — feedback circuit</p> <p>Cordset, PVC (example):</p> <p>RK 4.23T-2-WS 4.23T</p> <p>Ident. no. 100032005</p>                                                                         |  |
|    | <p><b>Accessories</b></p> <p>ES — switch-off circuit for connecting a secure switch-off signal</p> <p>Cordset, PVC, red plug bodies (example):</p> <p>RK 4.4T-2-WS 4.4T/S1055/CS17685</p> <p>Ident. no. 100031805</p> |  |
|  | <p><b>Accessories</b></p> <p>Operation of the switch-off box, power unit</p>                                                                                                                                          |  |
|  | <p><b>Accessories</b></p> <p>Pin assignment for 7/8" power supply</p> <p>Power supply cordset (example):</p> <p>RSM RKM 40-2M</p> <p>Ident. no. U2280-0</p>                                                           |  |