

Basic features

Additional features	Function indicator: LED red
Approval/Conformity	TÜV NRTL CE RoHS TÜV WEEE
Operating principle	mechanical - force, contact
Principle of operation	Safety Switches
Scope of delivery	1 pc.
Series	BID F10...
Use	Interlock which prevents execution of hazardous machine functions under specified conditions.
Version	Interlocking device

Electrical connection

Connection	M12x1-Male, 5-pin, A-coded
Short-circuit protection	0.2 fast-action

Electrical data

Protection class	III
Rated insulation voltage U_i	24 V DC
Rated operating current I_e	0.5 A
Rated operating voltage U_e DC	24 V
Rated surge voltage U_{imp}	500 V
Switching current	5 mA
Utilization category	AC-15 DC -13

Environmental conditions

Ambient temperature	0...40 °C
IP rating	IP65
Storage temperature	0...60 °C

Functional safety

B10d (EN ISO 13849-1)	5 mil. switching operations
Coding level (EN ISO 14119)	low
No of contacts	2x positive opening

Material

Housing material Aluminum

Mechanical data

Actuator retention force	10 N
Approach direction	laterally + above
Dimension	40 x 147.7 x 43.5 mm
Insertion depth min.	24 mm
Insertion tolerances	± 3 mm
Installation	any
Life expectancy mechanical	1 million Switching operations
Mounting holes, number	2
Mounting part	Screw M5
Tightening torque	2.5 Nm
Weight	0.43 kg

Remarks

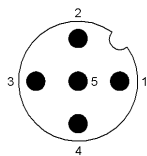
Order actuator separately.

The safety switch may not be used as a stop!

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values do not extend the limitation period for claims arising from defects or influence them in any other way.

We call you attention to the fact that the product listed here alone are not considered safety components according to Machine Directive 2006/42/EC Article 2c. It is however possible to construct structures per EN 13849-1 having a high performance level using the products with two channels.

Connector Drawings



PIN 1: 11
PIN 2: 22
PIN 3: 34
PIN 4: 12
PIN 5: 21, 31

Wiring Diagrams

