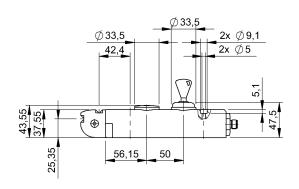
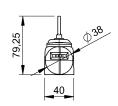
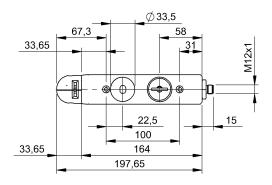
BID F101-2M1M3-M02AZ0-S115

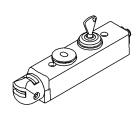
Order Code: BID0004













Component







Basic features

Additional features Function indicator: LED red/green

Approval/Conformity CE

> TÜV NRTL ΤÜV RoHS WEEE

Type 2

Guard locking, principle yes, spring force (power to

unlock)

Operating principle mechanical - force, contact

Safety Switches Principle of operation

1 pc. Scope of delivery Series BID F10...

Use Locking mechanism with interlock

> which prevents execution of hazardous machine functions under specified conditions and holds a separating protection device in the closed position while hazardous machine functions are

being performed.

Version Guard locking device

Electrical connection

Connection Short-circuit protection

Subject to change without notice: 247057

M12x1-Male, 8-pin 0.2 fast-action

Safety Guard Locking Devices

BID F101-2M1M3-M02AZ0-S115 Order Code: BID0004



Electrical data

Contacts solenoid (number, type) 2 positively driven contacts

Duty cycle solenoid 100 %

Operating voltage solenoid Us $24 \lor (+10\%/-15\%)$ DC Operating voltage, LED $24 \lor (+10\%/-15\%)$

Power consumption solenoid 10 W Protection class Ш Rated continuous current 4.0 A Rated insulation voltage Ui 24 V DC Rated operating current le 0.5 A Rated operating current le AC 1 A Rated operating voltage Ue AC 24 V Rated operating voltage Ue DC 24 V Rated surge voltage Uimp 500 V Switching current 5 mA Switching principle Snap switch

Switching voltage min. 5V DC (at 10 mA)

Utilization category AC-15

DC -13

Environmental conditions

Ambient temperature $0...40 \, ^{\circ}\text{C}$ IP rating IP65 Storage temperature $0...60 \, ^{\circ}\text{C}$

Functional safety

Axillary release key

B10d (EN ISO 13849-1) 5 mil. switching operations

Coding level (EN ISO 14119) low Escape release no

No of contacts 2x positive opening

Material

Housing material Aluminum

Material contacts Silver

Mechanical data

Actuator overtravel max. 3 mm
Actuator retention force 10 N

Adjustable actuator head in 90° increments

Approach direction laterally + above

Approach speed 20 m/min

Dimension 40 x 197.7 x 47.5 mm

Life expectancy mechanical 1 mil. switching operations

Mounting holes, number 2

 Mounting part
 Screw M5

 Switch actuation force
 5 N

 Tightening torque
 2.5 Nm

 Weight
 0.73 kg

 Weight
 0.73 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.

2/3

BID F101-2M1M3-M02AZ0-S115

Order Code: BID0004



Connector Drawings



PIN 1: 11 (solenoid monitoring)

PIN 2: 31 (door monitor)

PIN 3: 22 (solenoid monitoring)

PIN 4: 12 (magnet monitoring)

PIN 5: 34 (door monitoring)

PIN 6: 21 (solenoid monitoring)

PIN 7: A2 PIN 8: A1

Wiring Diagrams

