

## Product No: 101095550

### SCHMERSAL AZ 15/16-B3 SAFETY SWITCH WITH SEPARATE ACTUATOR 101095550

#### FEATURES

- Magnetic reed switch with thermoplastic enclosure
- Bistable contact switching element
- Actuation from the front
- Switching distance range: 2 mm to 40 mm
- Maximum switching voltage: 60 VAC or DC
- Maximum switching current: 1 A
- Maximum switching capacity: 30 VA
- Reed contacts design
- Requires separate actuators



*Note: Contact symbols shown for the closed condition of the guard device. | The contact configuration for versions with or without LED is identical.*

#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-18-19
eCl@ss Number, Version 9.0	27-37-18-19
ETIM 6.0	EC000030
ETIM 7.0	EC000030
Housing Construction Form	Norm construction design
Product Type	Accessory
Protection Class of Operating Resource	1
Recommended Actuator	AZ/AZM201-B1   AZ/AZM201-B30
Recommended Safety Switchgear	SRB 301AN   SRB-E-301ST   SRB-E-201LC
Series	AZ15/16
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Assured "OFF" Switching Distance (mm)	20
Assured "ON" Switching Distance (mm)	10
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Latching Force (N)	30
Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	2.5
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	13000
Maximum Switching Capacity (W)	0.24
Minimum Actuating Force (N)	6
Minimum Actuating Speed (mm/min)	56
Minimum Cable Cross Section (mm <sup>2</sup> )	2 x 0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	19
No. of Actuating Directions	3
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	11
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	2 NC contact
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13   AC-15

### Physical Attributes

Actuator Type	Offset roller lever
Enclosure Coating Material	Painted
Enclosure Material	shock-proof thermoplastic
Gross Weight (g)	850
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Mounting Type	Screws
Net Weight (g)	40.39
Storage Temperature (°C)	-40 to 85
Wire Cross-Section	0.25 mm

### Dimensions

Cable Length (m)	0.5
Depth (mm)	115
Height (mm)	80
Sensor Height (mm)	92.5
Sensor Length (mm)	39
Width (mm)	285

### Protection & Standards

Degree of Protection	IP67 / IP69K
Pollution Degree	3
Standards	EN IEC 61496-1 / EN IEC 61496-2

### Resources

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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