

Product No: 101093553

SCHMERSAL AZ 15/16-B1-1747 SAFETY SWITCH WITH SEPARATE ACTUATOR 101093553

FEATURES

- Positive-operation door contact
- Actuator straight design
- Includes washer
- Compatible with AZ 06x, AZ 06, AZ 07, AZ 08, AZ 13, AZ 14-1, AZ 19 series



Note: The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets. | When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N). This does not apply to the bistable contact. | The switch is to be mounted on iron with a non-magnetic layer of at least 20 mm.

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	High
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-26-03
eCl@ss Number, Version 9.0	27-27-26-03
ETIM 6.0	EC002549
ETIM 7.0	EC000030
Housing Construction Form	Norm construction design
Product Type	Switch
Protection Class of Operating Resource	2
Recommended Actuator	MZM 100-B1.1
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Series	AZ15/16
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	2
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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)	0.2
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	2 x 2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	1500
Maximum Switching Capacity (W)	10
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	120
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	2000000 Operations
Minimum Positive Break Force (N)	40
No. of Actuating Directions	2
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)	250
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30
Switching Element	2 NC contact
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	AC-15
Utilisation Category DC-13	2.5 A

Physical Attributes

Actuator Type	Angle roller lever
Enclosure Coating Material	Painted
Enclosure Material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross Weight (g)	2
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	55
Minimum Ambient Temperature (°C)	-25
Mounting Type	Enclosure with mounting slots rear
Net Weight (g)	816
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

Dimensions

Cable Length (m)	2
Depth (mm)	115
Height (mm)	80
Sensor Height (mm)	36
Sensor Length (mm)	30
Width (mm)	165

Protection & Standards

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

Resources

Product catalogue (Flipbook)	Download from here
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