

## Product No: 101111081

### SCHMERSAL AZ15/16-B1-2053 WITH BALL LATCH SAFETY SWITCH WITH SEPARATE ACTUATOR 101111081

#### FEATURES

- Magnetic reed switch with thermoplastic enclosure
- Rectangular shape with a 10-pole terminal connector
- Front actuation with bistable contact switching element
- Sensing distance range: 1 mm to 14 mm
- Switching voltage range: 12 to 60 VDC
- Maximum switching current: 1 A
- Maximum switching capacity: 30 VA
- Contains five reed contacts
- Actuators must be purchased separately



*Note: In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.*

#### 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	27-37-12-12
eCl@ss Number, Version 9.0	27-37-12-12
ETIM 6.0	EC001038
ETIM 7.0	EC000223
Housing Construction Form	Norm construction design
Product Type	Accessory
Protection Class of Operating Resource	3
Recommended Actuator	AZM 40-B1
Recommended Safety Switchgear	SRB-E-301ST   SRB-E-201LC
Series	AZ15/16
Working Principle	Magnetic drive

### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm <sup>2</sup> )	2 x 2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm <sup>2</sup> )	0.75
Minimum Mechanical Life	1000000000 Operations
Minimum Positive Break Force (N)	16
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	600
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	NO contact, NC contact
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Thermal Test Current (A)	0.25
Utilisation Category	DC-13   AC-15

### Physical Attributes

Enclosure Coating Material	Painted
Enclosure Material	Plastic
Gross Weight (g)	67
Installation Conditions	Quasi-flush

Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-25
Mounting Type	Knurled nut
Net Weight (g)	2130
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.75 mm

### Dimensions

Cable Length (m)	2
Depth (mm)	115
Height (mm)	40
Sensor Height (mm)	100
Sensor Length (mm)	33
Width (mm)	22.5

### Protection & Standards

Degree of Protection	IP67 / IP65
Pollution Degree	2
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

### Resources

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