

Product No: 101172554

SCHMERSAL BNS16-12ZL SAFETY SENSOR 101172554

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding for system security
- Requires an evaluation unit to operate
- Equipped with 2 openers and 1 shutter
- Front side active area for detection
- Utilizes a magnet as the actuating element
- Screw connection terminal connector for secure wiring
- Switching voltage rated at 100 V AC/DC
- Switching current capacity of 0.4 A



Note: Individual coding available on request

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-27-04
eCl@ss Number, Version 9.0	27-27-27-04
ETIM 6.0	EC002549
ETIM 7.0	EC002549
Housing Construction Form	Block
Product Type	Safety Sensor
Series	BNS16
Working Principle	Inductive

Technical Attributes

Contact Material	Silver
Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm ²)	2 x 2.5
Maximum Fuse Rating	6 A gG D-fuse
Minimum Cable Cross Section (mm ²)	0.75

Minimum Mechanical Life	1000000 Operations
No. of Safety Contacts	1
Nominal Output Current (A)	0.4
Nominal Power (W)	10
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
Rated Short-circuit Current (A)	1000
Switching Element	NO contact, NC contact
Switching Principle	Snap action
Terminal Type	Cable
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Roller plunger S300
Enclosure Material	Light alloy die-casting
Gross Weight (g)	180
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Net Weight (g)	125

Dimensions

Sensor Height (mm)	114
Sensor Length (mm)	30

Protection & Standards

Degree of Protection	IP67
Standards	EN 81-20 / EN 81-50

Resources

Product catalogue (Flipbook)

[Download from here](#)
