Product No: 101172563

SCHMERSAL BNS16-12ZD SAFETY SENSOR 101172563

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding for system security
- Requires an evaluation unit to operate
- Equipped with 2 openers and 1 shutter
- Actuating element is a magnet
- Screw connection terminal connector for secure installation
- Designed with the active area on the right-hand side
- Switching voltage rated at 100 V AC/DC
- Switching current capacity of 0.4 A

Note: The axis of the hinge must be 11 mm above and in a parallel plane to the top surface of the safety switch. | Actuating radius adjustable to minimum 95 mm, using a hexagonal key wrench AF 2.5 mm (a) | The actuator is not available separately.

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	
No. of Auxiliary Contacts	2
Contact Material	Silver

Maximum Cable Cross Section (mm²)	2 x 2.5
Maximum Fuse Rating	6 A gG D-fuse quick blow
Minimum Cable Cross Section (mm²)	0.75
Minimum Mechanical Life	30000000 Operations
No. of Safety Contacts	2
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	Normally open contact (NO)
Switching Principle	Snap action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13	AC-15

Physical Attributes

Actuator Type	Offset roller lever K360
Enclosure Material	Light alloy die-casting
Gross Weight (g)	240
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Net Weight (g)	105

Dimensions

Sensor Height (mm)	110.5
Sensor Length (mm)	124

Protection & Standards

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

Resources	
Product catalogue (Flipbook)	[Download from here](#)