

Product No: 101188810

SCHMERSAL BNS16-12ZV-ST1 SAFETY SENSOR 101188810

FEATURES

- Safety sensor with thermoplastic enclosure
- Diagnostic output for system monitoring
- Short circuit detection and recognition to prevent damage
- Integrated safety functions for enhanced protection
- Cascadable design allows connecting multiple sensors in series
- Input available for a reset pushbutton to easily resume operations
- Integral System Diagnostics provide comprehensive system checks
- Equipped with 3 LEDs for clear status indication
- Features 1 semi-conductor output and 2 fail-safe digital outputs



General Information

Brand	SCHMERSAL
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-24-04
eCl@ss Number, Version 9.0	23-13-01-90
ETIM 6.0	EC000030
ETIM 7.0	EC002593
Product Type	Safety Sensor
Series	BNS16

Technical Attributes

Contact Material	Silver
Maximum Actuating Speed (m/s)	0.2
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse to DIN EN 60269-1
Minimum Cable Cross Section (mm ²)	1.5
Minimum Mechanical Life	1000000 Operations

No. of Safety Contacts	2
Nominal Output Current (A)	0.4
Nominal Power (W)	10
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Maximum Operational Voltage AC (V)	100
Rated Maximum Operational Voltage DC (V)	100
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Thermal Test Current (A)	0.25
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	24 VDC

Physical Attributes

Enclosure Material	Plastic, glass-fibre-reinforced
Gross Weight (g)	67.93
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Net Weight (g)	190

Dimensions

Sensor Height (mm)	107
Sensor Length (mm)	30

Protection & Standards

Degree of Protection	IP67
Standards	EN IEC 60947-5-1

Resources



Product catalogue (Flipbook)

[Download from here](#)
