ipd

Product No: 101172566

SCHMERSAL BPS16 SAFETY SENSOR 101172566

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding and requires a prerequisite evaluation unit
- Equipped with 2 openers and 1 shutter
- Actuating element is a magnet
- Utilizes screw connection for terminal connector
- Active area located at the bottom of the sensor
- Switching voltage rated at 100 V AC/DC
- Switching current capacity of 0.4 A
- Switching capacity of 10 W

Note: The axis of the hinge must be 5 mm above and in a parallel plane to the top surface of the safety switch. | minimum actuating radius on hinged guards in line with the plane of the actuator 150 mm | minimum actuating radius on rotating guard systems via the narrow edge of the actuator 180 mm | 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	Accessory
Series	BPS
Working Principle	Inductive

Technical Attributes	
Contact Material	Silver
Maximum Actuating Speed (m/s)	1

Maximum Fuse Rating	4 A gG D-fuse to DIN EN 60269-1
Minimum Cable Cross Section (mm²)	0.75
Minimum Mechanical Life	30000000 Operations
No. of Auxiliary Contacts	2
No. of Safety Contacts	2
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	500
Rated Short-circuit Current (A)	1000
Switching Element	Normally open contact (NO)
Switching Principle	slow action, positive break NC contact
Terminal Type	Screw terminals M20 x 1.5
Thermal Test Current (A)	0.25
Utilisation Category	DC-13	AC-15

Physical Attributes

Actuator Type	Offset roller lever K370
Enclosure Material	Light alloy die-casting
Gross Weight (g)	125
Maximum Ambient Temperature (ºC)	80
Minimum Ambient Temperature (ºC)	-30
Net Weight (g)	55

Dimensions

Sensor Height (mm)	84
Sensor Length (mm)	124

Protection & Standards

Degree of Protection	IP67 / IP65
Standards	EN 81-20 / EN 81-50

Resources

Product catalogue (Flipbook)	Download from here