

## Product No: 101180448

### SCHMERSAL POSITION SWITCH WITH SAFETY FUNCTION 101180448

*Note: Series-wiring of sensors: 16 safety sensors can be switched in series with self-monitoring. In this case, the dual-channel output of a sensor is switched to/inserted into the input of the next sensor. This does not affect the category 4 in accordance with EN ISO 13849-1. | The voltage drop over a long sensor chain should be taken into account when planning cable routing. Operating voltage, cross-section and length of the cable, temperature, number of sensors connected, but also the input load of the control monitor all affect the voltage drop over the sensor chain.*



#### General Information

Brand	SCHMERSAL
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-26-01
eCl@ss Number, Version 9.0	27-27-26-01
ETIM 6.0	EC000030
ETIM 7.0	EC000030
Product Type	Limit Switch
Working Principle	RFID

#### Technical Attributes

Contact Material	Silver
Maximum Actuating Speed (m/s)	3
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Fuse Rating	6 A gG D-fuse quick blow
Minimum Cable Cross Section (mm <sup>2</sup> )	0.2
Minimum Mechanical Life	10000000 Operations
No. of Safety Contacts	4
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	50
Rated Short-circuit Current (A)	100
Switching Element	NO contact, NC contact

Switching Principle	Snap action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13   AC-15

### Physical Attributes

Actuator Type	Plunger
Enclosure Material	Glass-fibre reinforced thermoplastic, self-extinguishing
Gross Weight (g)	70
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Net Weight (g)	215

### Dimensions

Sensor Height (mm)	25
Sensor Length (mm)	46

### Protection & Standards

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

### Resources

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