

## Product No: 101178078

### SCHMERSAL ENCLOSED MAGNETIC SAFETY SENSOR 101178078

*Note: As long as the actuating unit is applied to the solenoid interlock, the unlocked safety guard can be relocked. In this case, the safety outputs are re-enabled, so that the safety guard must not be opened.*



#### General Information

|                             |   |
|-----------------------------|---|
| Brand                       | SCHMERSAL   |
| Cable Note                  | All indications including the conductor ferrules. |
| EAN                         | 4030660000000                                     |
| eCl@ss Number, Version 11.0 | 27-27-26-01                                       |
| eCl@ss Number, Version 9.0  | 27-27-06-01                                       |
| ETIM 6.0                    | EC000030  |
| ETIM 7.0                    | EC000030  |
| Product Type                | Safety Radar                                      |
| Working Principle           | RFID  |

#### Technical Attributes

|  |                        |
|--|------------------------|
| Contact Material                               | Silver                 |
| Maximum Actuating Speed (m/s)                  | 0.5                    |
| Maximum Cable Cross Section (mm <sup>2</sup> ) | 1.5                    |
| Maximum Fuse Rating                            | 6 A gG D-fuse          |
| Minimum Cable Cross Section (mm <sup>2</sup> ) | 0.25                   |
| Minimum Mechanical Life                        | 10000000 Operations    |
| No. of Safety Contacts                         | 4                      |
| Rated Impulse Withstand Voltage (kV)           | 6                      |
| Rated Insulation Voltage (V)                   | 500                    |
| Rated Short-circuit Current (A)                | 100                    |
| Switching Element                              | NO contact, NC contact |

|                            |                           |
|----------------------------|---------------------------|
| Switching Principle        | Snap 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 | 2.5 A                     |

### Physical Attributes

|                                  |                                 |
|----------------------------------|---------------------------------|
| Actuator Type                    | Plunger                         |
| Enclosure Material               | Plastic, glass-fibre-reinforced |
| Gross Weight (g)                 | 90                              |
| Maximum Ambient Temperature (°C) | 65                              |
| Minimum Ambient Temperature (°C) | -30                             |
| Net Weight (g)                   | 109.52                          |

### Dimensions

|                    |       |
|--------------------|-------|
| Sensor Height (mm) | 84    |
| Sensor Length (mm) | 60.55 |

### Protection & Standards

|                      |                                 |
|----------------------|---------------------------------|
| Degree of Protection | IP40                            |
| Standards            | EN IEC 60947-5-1 / EN ISO 14119 |

### Resources

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