

## SMP 8800 PG 5

## Diffuse Proximity

Photoelectric Sensors



| Product Data     |  |
|------------------|--|
| Function         | Both                                   |
| Operation Mode   | Diffuse Proximity                      |
| Supply Voltage   | 20 - 250 V ac                          |
| Control Feature  | Sensitivity pot. and light/dark switch |
| Connection       | 5 m cable                              |
| Sensing Range    | 0,5 m                                  |
| Output           | SCR                                    |
| Output Status    | N.C./N.O.                              |
| Light Source     | Infrared (880 nm)                      |
| Housing Material | Plastic                                |
| Housing          | M18 x 1                                |

| Technical Data                   |                          |
|----------------------------------|--------------------------|
| Supply Voltage                   | 20 - 250 V ac            |
| Voltage Ripple                   | 15 %                     |
| Current Consumption              | 2 mA                     |
| Max. Output Load                 | 200 mA                   |
| Max. Residual Voltage            | 8 V                      |
| Max. Operation Frequency         | 20 Hz                    |
| Response Time ton / toff         | 25 ms / 25 ms            |
| Power On Indicator               | Green LED                |
| Output Indicator                 | Yellow LED               |
| Hysteresis                       | Approx. 5 - 15 %         |
| Opening Angle                    | +/- 4°                   |
| Housing Material, Front Lens     | Polycarbonate            |
| Housing Material, Sensor Housing | Polycarbonate            |
| Cable                            | 2 x 0,25 mm <sup>2</sup> |
| Cable Sleeve                     | PVC Ø 5,2 mm             |

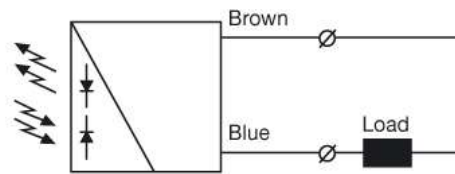
**Environmental Data**

|                       |                    |
|-----------------------|--------------------|
| Vibration             | 10 - 55 Hz, 0,5 mm |
| Shock                 | 30 g               |
| Operation Temperature | -20 to +60 °C      |
| Storage Temperature   | -40 to +80 °C      |
| Sealing Class         | IP 67              |
| Light Immunity 15'    | > 40 000 lux       |

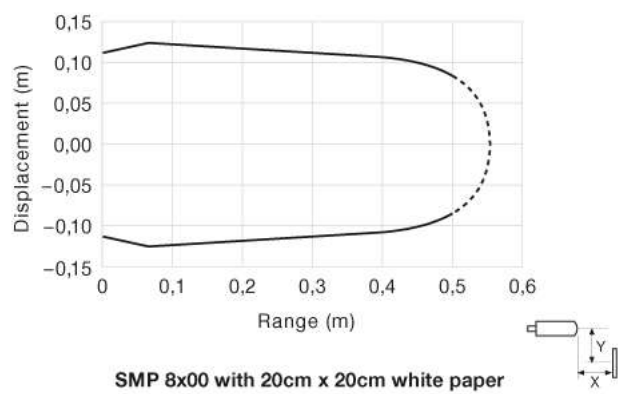
**Approvals**



**Wiring Diagram**



**Parallel Displacement**



Dimensions

