



S6

950201190

S6R-5-C90-P
MULTIVOLTAGE 50X50 MM COMPACT SENSORS SERIES

OVERVIEW

- 50x50 mm compact dimensions
- Free voltage Vac/Vdc models with relay output
- 10-30 Vdc model with transistor output
- Standard cable or M12 4-pole connection

TECHNICAL FEATURES

Detection properties

| | |
|--------------------------|---------|
| Nominal sensing distance | 900mm |
| Sensitivity adjustment | Trimmer |

Application

| | |
|--------------------|---------------------|
| Function Principle | Diffuse beam |
| Description | Compact square case |
| Functions | Diffuse beam |

Outputs

| | |
|---------------------|--|
| Output type | PNP - Light mode L/D selectable by cable/connector |
| Output Function | L/D selectable by cable/connector |
| Switching frequency | 500Hz |
| Response time | 1ms |

| | |
|----------------------------------|---|
| Electrical data | |
| Operating Voltage | 10...30VDC |
| No-Load supply current | ≤ 30mA |
| Load current | ≤100mA |
| LED indicators | Red OUTPUT |
| Short-circuit protection | YES |
| Reverse Polarity Protection | Yes |
| Emission | LED Infrared |
| Interference to external light | according to EN 60947-5-2 : 2020 |
| Impulsive Overvoltage Protection | Yes |
| Insulation resistance | >20 MΩ 500 Vdc, between electronics and housing |
| Contact resistance | 500 Vac 1 min., between electronics and housing |

| | |
|-----------------|----------|
| Mechanical data | |
| Dimensions | 18x50x50 |

| | |
|----------------------|----------------|
| Housing Material | ABS |
| Connections | M12 plug |
| Active Head Material | PMMA |
| Storage temperature | - 25°C...+70°C |
| Material | |
| Diameter/Dimension | Cubic |

Test/Approvals

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|-----------------------|--|
| Approvals | CE cULus |
| Shocks and vibrations | 0.5 mm amplitude, 10 ... 55 Hz frequency, for every axis (EN60068-2-6) |

Generical Data

| | |
|-----------------------|----------------------------------|
| Dimensions | 18x50x50 |
| Operating Temperature | - 25°C...+ 55°C (Without freeze) |
| Mechanical Protection | IP65 |

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