

CONTROL UNITS

PS3A5

Control unit PS3A5, 24 V DC

- 2 NO + 1 NC safety output
- Automatic or manual reset
- Safety class 3, (PL e)



PRODUCT DESCRIPTION

The PS3 unit control series are the controller for ribbon switches, edges and mats provided with four wire to meet category 3, Performance Level "e" according to EN ISO 13849.

The control circuit disables the internal relays when the sensor is pressed, if are cut the conductors, in case of interruption of the internal circuit of the sensor, if power failure, in case of a failure to the internal components of the safety circuit.

The PS3 control unit are provided with two safety contacts NO and one no safety NC contact.



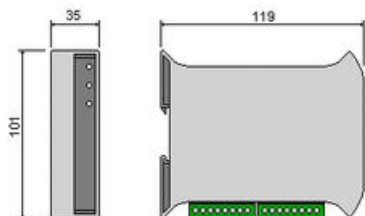
TECHNICAL SPECIFICATIONS

| | |
|-----------------------|----------------------------|
| Supply voltage | 24 V DC or 24/115/220 V AC |
| Tolerance | ± 10 % |
| Max. voltage / output | 230 V |
| Max. current / output | 2 A |
| Response time | 9-16 ms |
| Max. safety mat area | 15 m ² |
| Protection rating | IP20 or IP56 |

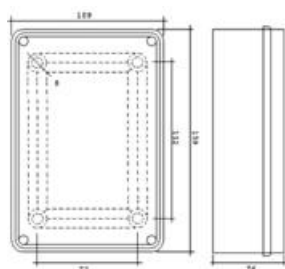
| | |
|-------------------|------------------------|
| Temperature range | -5 °C...+60 °C |
| Mounting | DIN-rail or enclosure |
| Safety class | 3, conforms to EN954-1 |
| Approvals | CE, TÜV |

DIMENSIONS

DIN-rail mounting

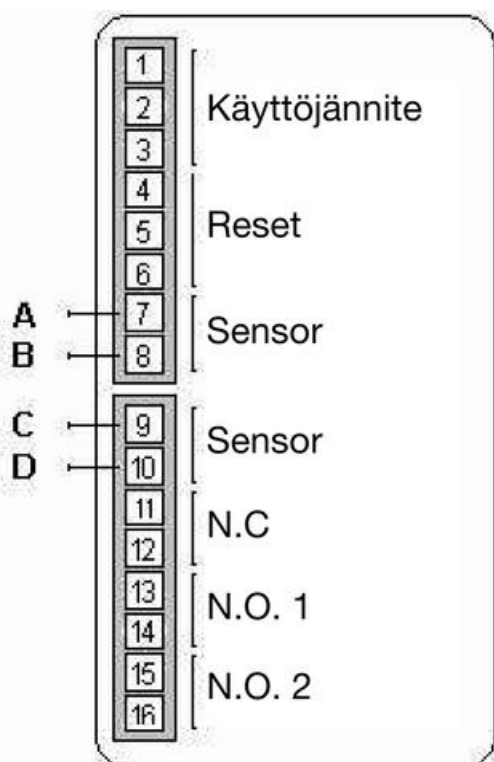


Enclosure



CONNECTION

Control unit PS3A5



Pin

Function

| | |
|-------|-------------------|
| 1 | + 24 V DC |
| 2 | 0 |
| 3 | Ground |
| 4-5 | Automatic reset |
| 4-6 | Manual reset |
| 7 | Wire A input |
| 8 | Wire B input |
| 9 | Wire C input |
| 10 | Wire D input |
| 11-12 | NC contact |
| 13-14 | NO safety contact |
| 15-16 | NO safety contact |

ORDER NUMBERS

| Order number | Description | Output | IP rating |
|--------------|---|-----------|-----------|
| PS3A5 | Control unit PS3-A5, DIN, 24 V DC | 2 NO+1 NC | 20 |
| PS3A3 | Control unit PS3-A3, DIN, 230 V AC | 2 NO+1 NC | 20 |
| PS3-56-A5 | Control unit PS3-56-A5, enclosed, 24 V DC | 2 NO+1 NC | 56 |

SPECIFICATIONS

| | |
|-------------------------------|---------|
| Input voltage | 24 V DC |
| IP Class | IP20 |
| Temperature range from | -5 °C |
| Temperature range to | 60 °C |

