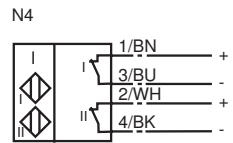






Technical Data

| | | |
|---|-------|--|
| Reduction factor r_{304} | | 1 |
| Reduction factor r_{Si37} | | 1.1 |
| Output type | | 2-wire |
| Nominal ratings | | |
| Nominal voltage | U_o | 8.2 V (R_i approx. 1 k Ω) |
| Switching frequency | f | 0 ... 1500 Hz |
| Hysteresis | H | typ. 5 % |
| Reverse polarity protection | | reverse polarity protected |
| Short-circuit protection | | yes |
| Suitable for 2:1 technology | | yes , Reverse polarity protection diode not required |
| Current consumption | | |
| Measuring plate not detected | | ≥ 3 mA |
| Measuring plate detected | | ≤ 1 mA |
| No-load supply current | I_0 | ≤ 3 mA |
| Time delay before availability | t_v | ≤ 1 ms |
| Switching state indicator | | LED, yellow |
| Functional safety related parameters | | |
| MTTF _d | | 2114 a |
| Mission Time (T_M) | | 20 a |
| Diagnostic Coverage (DC) | | 0 % |
| Compliance with standards and directives | | |
| Standard conformity | | |
| NAMUR | | EN 60947-5-6:2000 IEC 60947-5-6:1999 |
| Electromagnetic compatibility | | NE 21:2007 |
| Standards | | EN 60947-5-2:2007 IEC 60947-5-2:2007 |
| Approvals and certificates | | |
| FM approval | | |
| Control drawing | | 116-0165 |
| UL approval | | cULus Listed, General Purpose |
| CSA approval | | cCSAus Listed, General Purpose |
| Ambient conditions | | |
| Ambient temperature | | -25 ... 100 °C (-13 ... 212 °F) |
| Storage temperature | | -40 ... 100 °C (-40 ... 212 °F) |
| Mechanical specifications | | |
| Connection type | | cable PVC , 16 m |
| Cable version | | 4 x 0.34 mm ² |
| Core cross-section | | 0.34 mm ² |
| Housing material | | PBT |
| Sensing face | | PBT |
| Degree of protection | | IP67 |
| Cable | | |
| Bending radius | | > 10 x cable diameter |
| Mass | | 611 g |
| Tightening torque, fastening screws | | M5 x 25 : 2.7 Nm |
| Note | | Mounted on mechanical drive |
| General information | | |
| Use in the hazardous area | | see instruction manuals |

Connection



Accessories

| | | |
|---|----------------|--------------------------|
|  | BT32 | Activator for F25 series |
|  | BT32XS | Activator for F25 series |
|  | BT32XAS | Activator for F25 series |
|  | BT33 | Activator for F25 series |

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