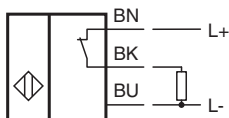




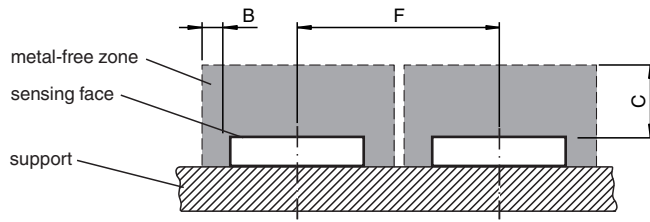
## Technical Data

|  |       |   |
|--|-------|---|
| Operating voltage                                      | $U_B$ | 10 ... 30 V DC  |
| Switching frequency                                    | f     | 0 ... 10 Hz   |
| Hysteresis   | H     | 1 ... 10 typ. 5 %   |
| Reverse polarity protection                            |       | reverse polarity protected  |
| Short-circuit protection                               |       | pulsing   |
| Voltage drop   | $U_d$ | $\leq 2$ V  |
| Operating current                                      | $I_L$ | 0 ... 100 mA  |
| Lowest operating current                               | $I_m$ | 0 mA  |
| Off-state current                                      | $I_r$ | 0 ... 0.5 mA typ. 0.01 mA   |
| Off-state current $T_U = 40$ °C, switching element off |       | $\leq 100$ $\mu$ A  |
| No-load supply current                                 | $I_o$ | $\leq 15$ mA  |
| Time delay before availability                         | $t_v$ | $\leq 120$ ms   |
| Switching state indicator                              |       | LED, yellow   |
| <b>Functional safety related parameters</b>            |       |   |
| MTTF <sub>d</sub>                                      |       | 672 a   |
| Mission Time ( $T_M$ )                                 |       | 20 a  |
| Diagnostic Coverage (DC)                               |       | 0 %   |
| <b>Compliance with standards and directives</b>        |       |   |
| Standard conformity                                    |       |   |
| Standards  |       | EN 60947-5-2:2007<br>EN 60947-5-2/A1:2012<br>IEC 60947-5-2:2007<br>IEC 60947-5-2 AMD 1:2012 |
| <b>Approvals and certificates</b>                      |       |   |
| UL approval  |       | cULus Listed, General Purpose   |
| CSA approval   |       | cCSAus Listed, General Purpose  |
| CCC approval   |       | CCC approval / marking not required for products rated $\leq 36$ V                          |
| <b>Ambient conditions</b>                              |       |   |
| Ambient temperature                                    |       | -25 ... 70 °C (-13 ... 158 °F)  |
| Storage temperature                                    |       | -40 ... 85 °C (-40 ... 185 °F)  |
| <b>Mechanical specifications</b>                       |       |   |
| Connection type  |       | cable PVC , 2 m   |
| Core cross section                                     |       | 0.14 mm <sup>2</sup>  |
| Housing material                                       |       | PBT   |
| Sensing face   |       | PBT   |
| Degree of protection                                   |       | IP67  |

## Connection Assignment



## Installation Conditions



Release date: 2022-06-21 Date of issue: 2022-06-21 Filename: 051976\_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Pepperl+Fuchs Group  
www.pepperl-fuchs.com

USA: +1 330 486 0001  
fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 1111  
fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091  
fa-info@sg.pepperl-fuchs.com