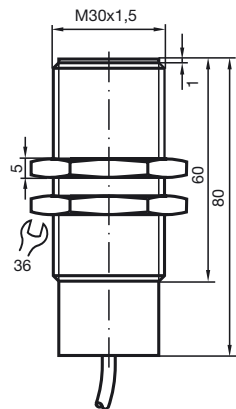


Temperature range  
-25 ... 100 °C  
15 mm not embeddable



| General specifications           |                                    |
|----------------------------------|------------------------------------|
| Switching element function       | NPN      Make function             |
| Rated operating distance $s_n$   | 15 mm                              |
| Installation                     | not embeddable                     |
| Output polarity                  | DC                                 |
| Assured operating distance $s_a$ | 0 ... 12.15 mm                     |
| Reduction factor $r_{AI}$        | 0.4                                |
| Reduction factor $r_{Cu}$        | 0.3                                |
| Reduction factor $r_{V2A}$       | 0.85                               |
| Nominal ratings                  |                                    |
| Operating voltage $U_B$          | 10 ... 30 V                        |
| Switching frequency $f$          | 0 ... 300 Hz                       |
| Hysteresis $H$                   | 0 ... 8 typ. 3 %                   |
| Reverse polarity protection      | protected against reverse polarity |
| Short-circuit protection         | pulsing                            |
| Voltage drop $U_d$               | $\leq 3$ V                         |
| Operating current $I_L$          | 0 ... 200 mA                       |
| No-load supply current $I_0$     | $\leq 20$ mA                       |
| Standard conformity              |                                    |
| Standards                        | IEC / EN 60947-5-2:2004            |
| Ambient conditions               |                                    |
| Ambient temperature              | -25 ... 100 °C (248 ... 373 K)     |
| Mechanical specifications        |                                    |
| Connection type                  | 2 m, PUR cable                     |
| Core cross-section               | 0.75 mm <sup>2</sup>               |
| Housing material                 | PBT                                |
| Sensing face                     | PBT                                |
| Protection degree                | IP68                               |

Connection type:

