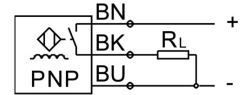


# Proximity sensors DADG-D-F8-16/20

Part number: 8072857

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Type code                                      | DADG  |
| Electrical connection 1, connection technology | Open end  |
| Electrical connection 1, connection type       | Cable   |
| Electrical connection 1, number of pins/wires  | 3   |
| Conforms to standard                           | EN 60947-5-2  |
| Symbol   | 00991702  |
| Certification                                  | RCM compliance mark<br>c UL us (OL)   |
| CE marking (see declaration of conformity)     | As per EU EMC directive   |
| Note on materials                              | Contains paint-wetting impairment substances<br>RoHS-compliant  |
| Rated operating distance                       | 0.6 mm  |
| Assured operating distance                     | 0.64 mm   |
| Reduction factors                              | Aluminum = 0.55<br>Stainless steel St 18/8 = 0.8<br>Copper = 0.5<br>Brass = 0.65<br>Steel St 37 = 1.0 |
| Ambient temperature                            | -25 °C ... 70 °C  |
| Repetition accuracy                            | 0.01 mm   |
| Switching output                               | PNP   |
| Switching element function                     | N/O contact   |
| Max. switching frequency                       | 5000 Hz   |
| Max. switching frequency DC                    | 5000 Hz   |
| Max. output current                            | 100 mA  |
| Voltage drop                                   | 2 V   |
| Short-circuit protection                       | Pulsed  |
| DC operating voltage range                     | 10 V ... 30 V   |
| Residual ripple                                | 10 %  |
| Idle current                                   | ≤10 mA  |
| Reverse polarity protection                    | for all electrical connections  |
| Cable length                                   | 2 m   |
| Material of cable sheath                       | TPE-U(PUR)  |
| Size   | M4  |
| Type of mounting                               | Screwed tightly   |
| Mounting type                                  | Flush   |
| Product weight                                 | 26 g  |

| Feature              | Value |
|----------------------|-------|
| Housing material     | Steel |
| Degree of protection | IP67  |