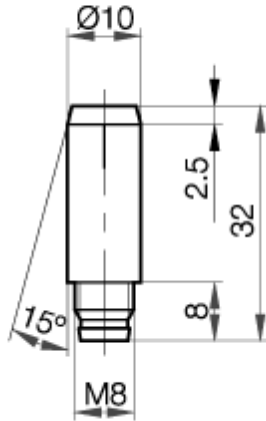


Magnetic Field Sensors
BMF 10E-PS-D-SA1-S49
D10 x 32
Short circuit protection



PX0672



Common Data

| | |
|----------------------------------|---------------|
| Rated operating field strength | 1,2kA/m |
| Assured operating field strength | ≈2kA/m |
| Repeatability R | 1,0% v. Hn |
| Hysteresis | ≈45% v. Hn |
| Ambient temperature range | -25...+70°C |
| Temp.Drift from Switch. Pnt | 0,3%/°C v. Hn |

Mechanical Data

| | |
|-----------------------------|---------------|
| Measurements BxHxT oder DxT | D10 x 32mm |
| Housing material | Steel 1.4571 |
| Material of sensing face | Steel 1.4571 |
| Degree of protection | IP67IP |
| Connection | Connector S49 |

Electrical Data

| | |
|-------------------------------------|---------------|
| Current type | DC |
| Wiring | 3-Wire |
| switching function | normally-open |
| Output signal | PNP |
| Rated operational voltage | 24 DCV |
| Rated operational current | 200mA |
| Supply voltage | 10...30V |
| Ripple | ≤ 15% v. Ub |
| Rated supply frequency | DCHz |
| No-load supply current | ≈15/≈10mA |
| Off-state current | ≈80μA |
| Maximum operational current | 200mA |
| Voltage drop | ≈3,1/-V |
| Switch-On-Delay | 0,05ms |
| Switch-Off-Delay | 0,05ms |
| Short circuit protection | yes |
| Protected against polarity reversal | yes |

Datasheet number:

Definitions see general catalog.
 If not otherwise noted, ratings according to
 IEC 60947-5-2 (DIN EN60947-5-2)

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