



Model Number

NMB8-30GM80-US-FE

Features

- Stainless steel sensing face
- Sensing range 8 mm
- 2-wire AC/DC
- Ferrous targets

Accessories

AB-30
Mounting aid

Technical Data

General specifications

| | | | |
|------------------------------|-------|-----------------|----|
| Switching element function | | AC/DC | NO |
| Rated operating distance | s_n | 8 mm | |
| Installation | | flush | |
| Output polarity | | AC/DC | |
| Assured operating distance | s_a | 0 ... 6.48 mm | |
| Actuating element | | Ferrous targets | |
| Reduction factor r_{Al} | | 0 | |
| Reduction factor r_{Cu} | | 0 | |
| Reduction factor r_{304} | | 0.4 - 0.7 | |
| Reduction factor r_{S37} | | 1 | |
| Reduction factor r_{Brass} | | 0 | |

Nominal ratings

| | | |
|-----------------------------|-------|--|
| Operating voltage DC | U_B | 20 ... 300 V |
| Operating voltage AC | U_B | 20 ... 250 V |
| Switching frequency | f | 10 Hz |
| Hysteresis | H | 3 ... 15 typ. 5 % |
| Reverse polarity protection | | reverse polarity tolerant |
| Short-circuit protection | | yes |
| Voltage drop | U_d | ≤ 7 V |
| Operating current | I_L | 8 ... 200 mA |
| Off-state current | I_r | ≤ 1.3 mA |
| Error indicator | | LED, green/yellow (Alternate Flashing) - Short circuit/overload indication |

Indicators/operating means

| | | |
|---------------------|----------|--------------------------------|
| Operation indicator | Dual LED | Green: power Yellow: output |
|---------------------|----------|--------------------------------|

Ambient conditions

| | |
|---------------------|--------------------------------|
| Ambient temperature | -25 ... 70 °C (-13 ... 158 °F) |
|---------------------|--------------------------------|

Mechanical specifications

| | |
|----------------------|-----------------------------------|
| Connection type | cable PUR, 2 m |
| Core cross-section | 0.5 mm ² |
| Housing material | Stainless steel 1.4305 / AISI 303 |
| Sensing face | Stainless steel 1.4305 / AISI 303 |
| Degree of protection | IP67 |

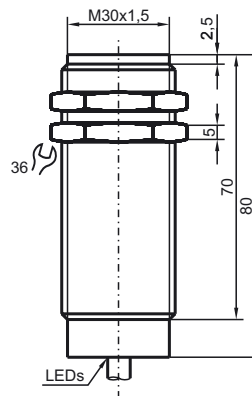
Compliance with standards and directives

| | |
|---------------------|---|
| Standard conformity | |
| Standards | EN 60947-5-2:2007 IEC 60947-5-2:2007 |

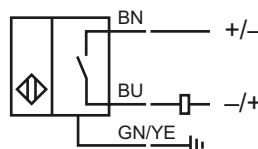
Approvals and certificates

| | |
|--------------|---|
| UL approval | cULus Listed, General Purpose |
| CSA approval | cCSAus Listed, General Purpose |
| CCC approval | Certified by China Compulsory Certification (CCC) |

Dimensions



Electrical Connection





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