

Inductive sensor

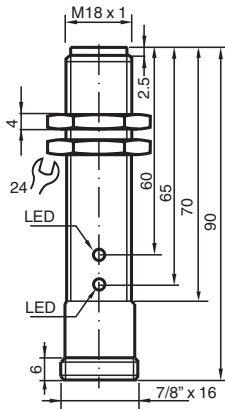
NMB5-18GM85-US-FE-V93



- Stainless steel sensing face
- Sensing range 5 mm
- 2-wire AC/DC
- Ferrous targets



Dimensions



Technical Data

General specifications

| | | |
|------------------------------|-------|--------------------|
| Switching function | | Normally open (NO) |
| Output type | | Two-wire |
| Rated operating distance | s_n | 5 mm |
| Installation | | flush |
| Output polarity | | AC/DC |
| Assured operating distance | s_a | 0 ... 4.05 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_{St37} | | 1 |
| Reduction factor r_{Brass} | | 0 |
| Output type | | 2-wire |

Nominal ratings

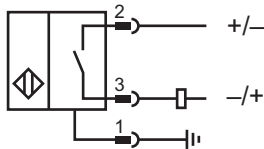
| | | |
|-----------------------------|---|-------------------|
| Switching frequency | f | 15 Hz |
| Hysteresis | H | 3 ... 15 typ. 5 % |
| Reverse polarity protection | | yes |
| Short-circuit protection | | yes |

Release date: 2025-06-05 Date of issue: 2025-06-05 Filename: 900132_eng.pdf

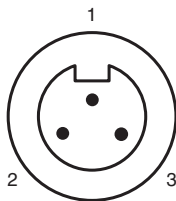
Technical Data

| | | |
|-------------------------------------------------|-------|----------------------------------------------------------------------------|
| Voltage drop | U_d | $\leq 7 \text{ V}$ |
| Rated operating current | I_e | 8 ... 200 mA AC/DC |
| Off-state current | I_r | $\leq 1.3 \text{ mA}$ |
| Error indicator | | LED, green/yellow (Alternate Flashing) - Short circuit/overload indication |
| Indicators/operating means | | |
| Operation indicator | | Dual LED Green: power Yellow: output |
| Electrical specifications | | |
| Rated operating voltage | U_e | 20 ... 250 V AC/DC |
| Compliance with standards and directives | | |
| Standard conformity | | |
| Standards | | EN IEC 60947-5-2 |
| Approvals and certificates | | |
| UL approval | | cULus Listed, General Purpose |
| CCC approval | | Certified by China Compulsory Certification (CCC) |
| Ambient conditions | | |
| Ambient temperature | | -25 ... 70 °C (-13 ... 158 °F) |
| Mechanical specifications | | |
| Connection type | | Connector plug 7/8 inch-16 UN , 3-pin |
| Housing material | | Stainless steel 1.4305 / AISI 303 |
| Sensing face | | Stainless steel 1.4305 / AISI 303 |
| Degree of protection | | IP67 |
| Dimensions | | |
| Length | | 90 mm |
| Diameter | | 18 mm |

Connection



Connection Assignment



Wire colors

| | | |
|---|----|---------|
| 1 | GN | (green) |
| 2 | BK | (black) |
| 3 | WH | (white) |