



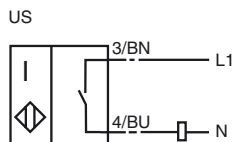
### Model Number

NMB2-12GM80-US-NFE-V12

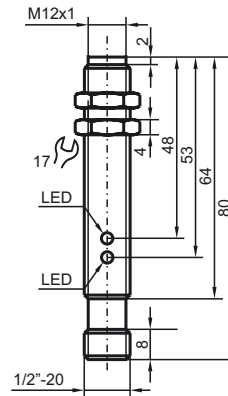
### Features

- Active surface metal
- 2 mm embeddable

### Connection



## Dimensions



## Technical Data

### General specifications

|                              |                          |
|------------------------------|--------------------------|
| Switching element function   | AC/DCMake/Break function |
| Rated operating distance     | $s_n$ 2 mm               |
| Installation                 | embed. in mild steel     |
| Output polarity              | DC                       |
| Assured operating distance   | $s_a$ 0 ... 1.62 mm      |
| Reduction factor $r_{Al}$    | 1                        |
| Reduction factor $r_{Cu}$    | 1.1                      |
| Reduction factor $r_{V2A}$   | 0                        |
| Reduction factor $r_{St37}$  | 0                        |
| Reduction factor $r_{Brass}$ | 0.9                      |

### Nominal ratings

|                                   |                         |
|-----------------------------------|-------------------------|
| Operating voltage DC              | 20 ... 300 V            |
| Operating voltage AC              | 20 ... 140 V            |
| Switching frequency               | $f$ 0 ... 20 Hz         |
| Hysteresis                        | $H$ typ. 5 %            |
| Short-circuit protection          | pulsing                 |
| Voltage drop                      | $U_d$ $\leq 7$ V        |
| Operating current                 | $I_L$ 8 ... 200 mA      |
| Off-state current                 | $I_r$ 0 ... 1.3 mA typ. |
| Operating voltage display         | LED, green              |
| Indication of the switching state | LED, red                |

### Standard conformity

|           |                         |
|-----------|-------------------------|
| Standards | IEC / EN 60947-5-2:2004 |
|-----------|-------------------------|

### Ambient conditions

|                     |                               |
|---------------------|-------------------------------|
| Ambient temperature | -25 ... 70 °C (248 ... 343 K) |
|---------------------|-------------------------------|

### Mechanical specifications

|                   |                 |
|-------------------|-----------------|
| Connection type   | V12 device plug |
| Housing material  | Stainless steel |
| Sensing face      | Stainless steel |
| Protection degree | IP67            |