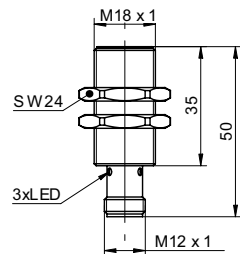


## Inductive proximity switch

## IFRM 18 (Sn = 12 mm, short)

## sample drawing



## general data

|                             |                               |
|-----------------------------|-------------------------------|
| mounting type               | quasi-flush                   |
| special type                | enhanced distance (GammaProx) |
| nominal sensing distance Sn | 12 mm                         |
| hysteresis                  | 2 ... 25 % of Sr              |

## electrical data

|                                    |               |
|------------------------------------|---------------|
| switching frequency                | < 400 Hz      |
| voltage supply range +Vs           | 12 ... 30 VDC |
| current consumption max. (no load) | 24 mA         |
| voltage drop Vd                    | < 2 VDC       |
| output current                     | < 200 mA      |
| short circuit protection           | yes           |
| reverse polarity protection        | yes           |

## mechanical data

|                         |                      |
|-------------------------|----------------------|
| type                    | cylindrical threaded |
| material (sensing face) | PBT                  |
| housing material        | brass nickel plated  |
| dimension               | 18 mm                |

## cable, 2 m

|                |       |
|----------------|-------|
| housing length | 40 mm |
|----------------|-------|

## connector M12

|                |       |
|----------------|-------|
| housing length | 50 mm |
|----------------|-------|

## ambient conditions

|                       |                |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class      | IP 67          |

| order reference          | connection types | output circuit          | output indicator |
|--------------------------|------------------|-------------------------|------------------|
| <b>IFRM 18N17G3/L</b>    | cable, 2 m       | NPN make function (NO)  | LED red          |
| <b>IFRM 18N17G3/S14L</b> | connector M12    | NPN make function (NO)  | 3 port LED red   |
| <b>IFRM 18N37G3/L</b>    | cable, 2 m       | NPN break function (NC) | LED red          |
| <b>IFRM 18N37G3/S14L</b> | connector M12    | NPN break function (NC) | 3 port LED red   |
| <b>IFRM 18P17G3/L</b>    | cable, 2 m       | PNP make function (NO)  | LED red          |
| <b>IFRM 18P17G3/S14L</b> | connector M12    | PNP make function (NO)  | 3 port LED red   |
| <b>IFRM 18P37G3/L</b>    | cable, 2 m       | PNP break function (NC) | LED red          |
| <b>IFRM 18P37G3/S14L</b> | connector M12    | PNP break function (NC) | 3 port LED red   |

## sample picture

