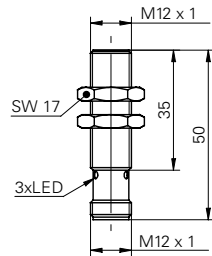


## Inductive proximity switch

## IFRM 12 (Sn = 6 mm)

## sample drawing



## general data

mounting type	quasi shielded
special type	enhanced distance (GammaProx)
nominal sensing distance Sn	6 mm
hysteresis	2 ... 25 % of Sr

## electrical data

switching frequency	< 400 Hz
voltage supply range +Vs	12 ... 30 VDC
current consumption max.	24 mA
load resistance	< 100 kOhm
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	12 mm

## ambient conditions

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

## sample picture



## Inductive proximity switch

## IFRM 12 (Sn = 6 mm)

order reference	connection types	output circuit	housing length	output indicator
<b>IFRM 12N17G1/L</b>	cable, 2 m	NPN make function (NO)	50 mm	LED red
<b>IFRM 12N17G1/S14L</b>	connector M12	NPN make function (NO)	60 mm	3 port LED red
<b>IFRM 12N17G3/L</b>	cable, 2 m	NPN make function (NO)	40 mm	LED red
<b>IFRM 12N17G3/S14L</b>	connector M12	NPN make function (NO)	50 mm	3 port LED red
<b>IFRM 12N37G1/L</b>	cable, 2 m	NPN break function (NC)	50 mm	LED red
<b>IFRM 12N37G1/S14L</b>	connector M12	NPN break function (NC)	60 mm	3 port LED red
<b>IFRM 12N37G3/L</b>	cable, 2 m	NPN break function (NC)	40 mm	LED red
<b>IFRM 12N37G3/S14L</b>	connector M12	NPN break function (NC)	50 mm	3 port LED red
<b>IFRM 12P17G1/L</b>	cable, 2 m	PNP make function (NO)	50 mm	LED red
<b>IFRM 12P17G1/S14L</b>	connector M12	PNP make function (NO)	60 mm	3 port LED red
<b>IFRM 12P17G3/L</b>	cable, 2 m	PNP make function (NO)	40 mm	LED red
<b>IFRM 12P17G3/S14L</b>	connector M12	PNP make function (NO)	50 mm	3 port LED red
<b>IFRM 12P37G1/L</b>	cable, 2 m	PNP break function (NC)	50 mm	LED red
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<b>IFRM 12P37G3/L</b>	cable, 2 m	PNP break function (NC)	40 mm	LED red
<b>IFRM 12P37G3/S14L</b>	connector M12	PNP break function (NC)	50 mm	3 port LED red