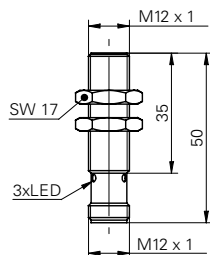


Inductive proximity switch

IFRM 12 (medium)

sample drawing



general data

mounting type	flush
nominal sensing distance S_n	4 mm
hysteresis	3 ... 20 % of S_r

electrical data

switching frequency	< 2 kHz
voltage supply range +Vs	10 ... 30 VDC
current consumption max. (no load)	10 mA
voltage drop V_d	< 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

cable, 2 m

housing length	40 mm
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connector M12

housing length	50 mm
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ambient conditions

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

order reference	connection types	output circuit	output indicator
IFRM 12N1701/S14L	connector M12	NPN make function (NO)	3 port LED red
IFRM 12N1702/L	cable, 2 m	NPN make function (NO)	LED red
IFRM 12N3701/S14L	connector M12	NPN break function (NC)	3 port LED red
IFRM 12N3702/L	cable, 2 m	NPN break function (NC)	LED red
IFRM 12P1701/S14L	connector M12	PNP make function (NO)	3 port LED red
IFRM 12P1702/L	cable, 2 m	PNP make function (NO)	LED red
IFRM 12P3701/S14L	connector M12	PNP break function (NC)	3 port LED red
IFRM 12P3702/L	cable, 2 m	PNP break function (NC)	LED red

sample picture

