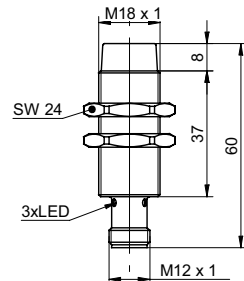


Inductive proximity switch

IFRM 18 (Sn = 12 mm)

sample drawing



general data

mounting type	unshielded
special type	Outdoor
nominal sensing distance Sn	12 mm
hysteresis	2 ... 15 % of Sr
output indicator	LED red

electrical data

switching frequency	< 500 Hz
voltage supply range +Vs	10 ... 30 VDC
current consumption max.	10 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 PUR 3 x 0,25, 2 m

housing length	50 mm
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connector M12

housing length	60 mm
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ambient conditions

operating temperature	-40 ... +80 °C
protection class	IP 67

sample picture



Inductive proximity switch**IFRM 18 (Sn = 12 mm)**

order reference	connection types	output circuit
IFRM 18N13T1/PL	cable PUR 3 x 0,25, 2 m	NPN make function (NO)
IFRM 18N13T1/S14L	connector M12	NPN make function (NO)
IFRM 18N33T1/PL	cable PUR 3 x 0,25, 2 m	NPN break function (NC)
IFRM 18N33T1/S14L	connector M12	NPN break function (NC)
IFRM 18P13T1/PL	cable PUR 3 x 0,25, 2 m	PNP make function (NO)
IFRM 18P13T1/S14L	connector M12	PNP make function (NO)
IFRM 18P33T1/PL	cable PUR 3 x 0,25, 2 m	PNP break function (NC)
IFRM 18P33T1/S14L	connector M12	PNP break function (NC)