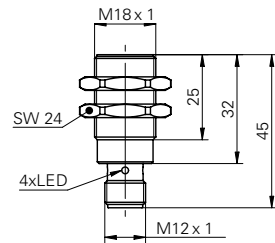


Inductive proximity switch

IFRM 18 (short)

sample drawing



general data

mounting type	quasi shielded
nominal sensing distance S_n	8 mm
hysteresis	3 ... 25 % of S_r

electrical data

switching frequency	< 500 Hz
voltage supply range +Vs	10 ... 50 VDC
current consumption max.	10 mA
voltage drop V_d	< 3 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	32 mm
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connector M12

housing length	45 mm
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ambient conditions

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

sample picture



order reference	connection types	output circuit	output indicator
IFRM 18N1701/L	cable, 2 m	NPN make function (NO)	LED red
IFRM 18N1703/S14L	connector M12	NPN make function (NO)	4 port LED red
IFRM 18N3701/L	cable, 2 m	NPN break function (NC)	LED red
IFRM 18N3703/S14L	connector M12	NPN break function (NC)	4 port LED red
IFRM 18P1701/L	cable, 2 m	PNP make function (NO)	LED red
IFRM 18P1703/S14L	connector M12	PNP make function (NO)	4 port LED red
IFRM 18P3701/L	cable, 2 m	PNP break function (NC)	LED red
IFRM 18P3703/S14L	connector M12	PNP break function (NC)	4 port LED red