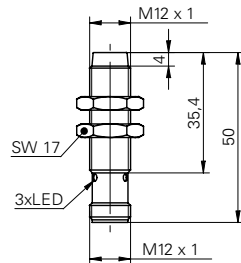


Inductive proximity switch

IFRM 12 (Sn = 10 mm)

sample drawing



general data

mounting type	unshielded
special type	enhanced distance (GammaProx)
nominal sensing distance Sn	10 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	0 ... +60 °C
protection class	IP 67

sample picture



Inductive proximity switch

IFRM 12 (Sn = 10 mm)

order reference	connection types	output circuit	housing length	output indicator
IFRM 12N13G1/L	cable, 2 m	NPN make function (NO)	50 mm	LED red
IFRM 12N13G1/S14L	connector M12	NPN make function (NO)	60 mm	3 port LED red
IFRM 12N13G3/L	cable, 2 m	NPN make function (NO)	40 mm	LED red
IFRM 12N13G3/S14L	connector M12	NPN make function (NO)	50 mm	3 port LED red
IFRM 12N33G1/L	cable, 2 m	NPN break function (NC)	50 mm	LED red
IFRM 12N33G1/S14L	connector M12	NPN break function (NC)	60 mm	3 port LED red
IFRM 12N33G3/L	cable, 2 m	NPN break function (NC)	40 mm	LED red
IFRM 12N33G3/S14L	connector M12	NPN break function (NC)	50 mm	3 port LED red
IFRM 12P13G1/L	cable, 2 m	PNP make function (NO)	50 mm	LED red
IFRM 12P13G1/S14L	connector M12	PNP make function (NO)	60 mm	3 port LED red
IFRM 12P13G3/L	cable, 2 m	PNP make function (NO)	40 mm	LED red
IFRM 12P13G3/S14L	connector M12	PNP make function (NO)	50 mm	3 port LED red
IFRM 12P33G1/L	cable, 2 m	PNP break function (NC)	50 mm	LED red
IFRM 12P33G1/S14L	connector M12	PNP break function (NC)	60 mm	3 port LED red
IFRM 12P33G3/L	cable, 2 m	PNP break function (NC)	40 mm	LED red
IFRM 12P33G3/S14L	connector M12	PNP break function (NC)	50 mm	3 port LED red