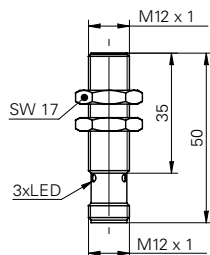


Inductive proximity switch

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.	18 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	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
IFRM 12N17G1/L	cable	NPN make function (NO)	50 mm	LED red
IFRM 12N17G1/S14L	connector M12	NPN make function (NO)	60 mm	3 port LED red
IFRM 12N17G3/L	cable	NPN make function (NO)	40 mm	LED red
IFRM 12N17G3/S14L	connector M12	NPN make function (NO)	50 mm	3 port LED red
IFRM 12N37G1/L	cable	NPN break function (NC)	50 mm	LED red
IFRM 12N37G1/S14L	connector M12	NPN break function (NC)	60 mm	3 port LED red
IFRM 12N37G3/L	cable	NPN break function (NC)	40 mm	LED red
IFRM 12N37G3/S14L	connector M12	NPN break function (NC)	50 mm	3 port LED red
IFRM 12P17G1/L	cable	PNP make function (NO)	50 mm	LED red
IFRM 12P17G1/S14L	connector M12	PNP make function (NO)	60 mm	3 port LED red
IFRM 12P17G3/L	cable	PNP make function (NO)	40 mm	LED red
IFRM 12P17G3/S14L	connector M12	PNP make function (NO)	50 mm	3 port LED red
IFRM 12P37G1/L	cable	PNP break function (NC)	50 mm	LED red
IFRM 12P37G1/S14L	connector M12	PNP break function (NC)	60 mm	3 port LED red
IFRM 12P37G3/L	cable	PNP break function (NC)	40 mm	LED red
IFRM 12P37G3/S14L	connector M12	PNP break function (NC)	50 mm	3 port LED red