

Cylindrical design
Stainless steel housings 1.4305

Dimensions		3 mm		4 mm	
Special characteristics		high performance miniature sensor sturdy housing		M8 x 1 quick disconnect sturdy housing	
Nominal sensing distance S_n Mounting ● shielded ○ unshielded		0,8 mm ●		0,8 mm ● 0,8 mm ●	
PNP	normally open	NO	IFRM 03P1501/L	IFRM 04.26.35/L	IFRM 04P1501/S35L
	normally closed	NC	IFRM 03P3501/L	IFRM 04.26.45/L	IFRM 04P3501/S35L
NPN	normally open	NO	IFRM 03N1501/L	IFRM 04.26.15/L	IFRM 04N1501/S35L
	normally closed	NC	IFRM 03N3501/L	IFRM 04.26.25/L	IFRM 04N3501/S35L
technical data					
voltage supply range		10 - 30 VDC		10 - 30 VDC	
supply current		< 12 mA		< 18 mA	
max. switching current		100 mA		100 mA	
voltage drop		< 2 V		< 2,5 V	
max. switching frequency		3 kHz		5 kHz	
sensing distance S_n		0,8 mm		0,8 mm	
switching hysteresis (as % of S_r)		2...20 %		3...20%	
output indicator		red LED		red LED 4 quadrant LED red	
short circuit protection		yes		yes	
reverse polarity protection		yes		yes	
temperature range		-25...+75 °C		-25...+75 °C	
housing material		stainless steel (1.4305)		stainless steel (1.4305)	
sensing face material		Acrylat mod. PUR cg 732		PBT	
protection class		IP 67		IP 67	
connector options				ESW 31, ESG 32	
remarks		clamping nut 137021 see accessories		clamping nut 119345 see accessories	

5 mm		6,5 mm		6,5 mm	
M5 x 0,5 fine thread sturdy housing		short and robust steel housing high switching frequency		robust steel housing high switching frequency	
0,8 mm ●	0,8 mm ●	2 mm ●	2 mm ●	2 mm ●	2 mm ●
					
IFR 05.26.35/L	IFRM 05P1501/S35L	IFRM 06P1713/L	IFRM 06P1703/S35L	IFRM 06P1701/L	IFRM 06P1701/S35L
IFR 05.26.45/L	IFRM 05P3501/S35L	IFRM 06P3713/L	IFRM 06P3703/S35L	IFRM 06P3701/L	IFRM 06P3701/S35L
IFR 05.26.15/L	IFRM 05N1501/S35L	IFRM 06N1713/L	IFRM 06N1703/S35L	IFRM 06N1701/L	IFRM 06N1701/S35L
IFR 05.26.25/L	IFRM 05N3501/S35L	IFRM 06N3713/L	IFRM 06N3703/S35L	IFRM 06N3701/L	IFRM 06N3701/S35L
10 - 30 VDC < 18 mA 100 mA < 2,5 V 5 kHz 0,8 mm 3...20 %		10 - 30 VDC < 18 mA 200 mA < 3 V 5 kHz 2 mm 3...25 %		10 - 30 VDC < 18 mA 200 mA < 3 V 5 kHz 2 mm 3...25 %	
red LED	4 quadrant LED red	red LED	4 quadrant LED red	red LED	4 quadrant LED red
yes	yes	yes	yes	yes	yes
yes	yes	yes	yes	yes	yes
-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C	-25...+75 °C
stainless steel (1.4305)	stainless steel (1.4305)	stainless steel (1.4305)	stainless steel (1.4305)	stainless steel (1.4305)	stainless steel (1.4305)
PBT	PBT	PBT	PBT	PBT	PBT
IP 67	IP 67	IP 67	IP 67	IP 67	IP 67
	ESW 31, ESG 32		ESW 31, ESG 32		ESW 31, ESG 32
		support 109474 for details see accessories section	support 109474 for details see accessories section	support 109474 for details see accessories section	support 109474 for details see accessories section
					