

Cylindrical design

Series 06



Short is beautiful. And, it offers mounting advantages over similar, but longer-bodied sensing products. Baumer electric’s 6 mm inductive proximity switches offer a housing length of just 28 mm, the shortest in the world. And, they offer an M8 x 1 quick disconnect to boot. Why bother buying any other sensor?



Dimensions

Special characteristics

Nominal sensing distance Sn

Mounting

● shielded

PNP

BN (1)

BK (4)

BU (3)

+Vs

output

0 V

NPN

BN (1)

BK (4)

BU (3)

+Vs

output

0 V

PNP	normally open	NO
	normally closed	NC

NPN	normally open	NO
	normally closed	NC

technical data

voltage supply range

supply current

max. switching current

voltage drop

max. switching frequency

sensing distance Sn

switching hysteresis (as % of Sr)

output indicator

short circuit protection

reverse polarity protection

temperature range

housing material

sensing face material

protection class

connector options

remarks

mounting variation ø 6,5 with clamping nut 117742

see accessories page 14

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Baumer electric

6,5 mm		6,5 mm		6,5 mm	
shortest connector version worldwide high switching frequency		robust steel housing high switching frequency		robust steel housing high switching frequency	
2 mm	2 mm	2 mm	2 mm	2 mm	2 mm
					
IFRM 06P1713/L	IFRM 06P17A5/S35L	IFRM 06P1701/L	IFRM 06P17A3/S35L	IFRM 06P17A1/L	IFRM 06P17A1/S35L
IFRM 06P3713/L	IFRM 06P37A5/S35L	IFRM 06P3701/L	IFRM 06P37A3/S35L	IFRM 06P37A1/L	IFRM 06P37A1/S35L
IFRM 06N1713/L	IFRM 06N17A5/S35L	IFRM 06N1701/L	IFRM 06N17A3/S35L	IFRM 06N17A1/L	IFRM 06N17A1/S35L
IFRM 06N3713/L	IFRM 06N37A5/S35L	IFRM 06N3701/L	IFRM 06N37A3/S35L	IFRM 06N37A1/L	IFRM 06N37A1/S35L
10 - 30 VDC < 12 mA 200 mA < 2 V 5 kHz 2 mm 3...20 %		10 - 30 VDC < 12 mA 200 mA < 2 V 5 kHz 2 mm 3...20 %		10 - 30 VDC < 12 mA 200 mA < 2 V 5 kHz 2 mm 3...20 %	
red LED	3 port LED red	red LED	3 port LED red	red LED	3 port LED red
yes	yes	yes	yes	yes	yes
-25...+75 °C		-25...+75 °C		-25...+75 °C	
stainless steel (1.4305)		stainless steel (1.4305)		stainless steel (1.4305)	
PBT		PBT		PBT	
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	
					