



TROPICAL-Series DC | Climatic-proofed 120 °C

Proximity switches

M12 / M18-short form
Stainless steel sleeve

DC 10...30 V

IP 68 Water-proofed
IP 69 Resistant to
high pressure cleaning



Design		DC PNP • M12x1		DC PNP • M18x1	
Dimensions					
	Installation flush (f) non flush (nf)				
Operating distance sn	[mm]	2 f	4 nf	5 f	7 nf
GSP		ID-No. P31132 Type IGMF 02 GSP	ID-No. P31133 Type IGMF 04 GSP	ID-No. P30701 Type IGMF 05 GSP	ID-No. P30703 Type IGMF 08 GSP
GOP		ID-No. Type	ID-No. Type	ID-No. P30702 Type IGMF 05 GOP	ID-No. P30704 Type IGMF 08 GOP
Supply voltage	[V]	10...30 DC			
Switching current	[mA]	200			
Overcurrent release	[mA]	230			
Current consumption	[mA]	4			
Residual current	[µA]	1			
Voltage drop max.	[V]	2			
Switching frequency	[Hz]	1000			
Ambient temperature	[°C]	-25...+120			
Compressive strength	[bar]	10			
Residual ripple max.	[%]	10			
EMC-class		A			
Protection	[EN 60529]	IP 68 + IP 69			
Housing material		PTFE / AISI 316 Ti (A4)			
Connection		2 m FEP-cable 3x0.34 mm ²			
Switching current					

