



POLAR-Series DC | Climativ-proofed -60 °C

Proximity switches

**M12 / M18 / M30
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		DC PNP • M30x1.5	
Dimensions						
Installation flush (f) non flush (nf)						
Operating distance sn [mm]	2 f	4 nf	5 f	7 nf	10 f	15 nf
Switching output PNP						
ID-No.	P31145	P31146	P31147	P31148	P31219	P31220
Type	IGMP 02 GSP	IGMP 04 GSP	IGMP 05 GSP	IGMP 08 GSP	IGMP 010 GSP	IGMP 015 GSP
Supply voltage [V]	10...30 DC					
Switching current [mA]	200					
Short circuit proof	•					
Overcurrent release [mA]	230					
Reverse protection	•					
Voltage drop max. [V]	2					
Load current [mA]	-					
Current consumption [mA]	4					
Switching frequency [Hz]	1000					
Ambient temperature [°C]	-55...+60					
Temperature min. [°C]	-60					
Temperature gradient [K/min]	5					
EMC-class	A					
Protection [EN 60529]	IP 68 + IP 69					
LED display	•					
Housing material	PTFE / AISI 316 Ti					
Connection	2 m FEP-cable 3x0.34 mm ²					
Switching current						