



# TROPICAL-Series DC | Resistant to rolling oil

Proximity switches

PTFE housing

DC 10...30 V

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



Design	DC PNP • M30x1.5				DC • Ø 35
Dimensions					
Installation flush (f) non flush (nf)	f		nf		nf
Operating distance sn [mm]	10 f	10 f	14 nf	14 nf	19 nf
Switching output (DC PNP)					
ID-No.	P31440	P31455	P31441	P31456	P31442
Type	IGFW 010 GSP	IGFW 010 GOP	IGFW 015 GSP	IGFW 015 GOP	INFW 020 GSP
Supply voltage [V]	10...30 DC				
Switching current [mA]	< 200				
Surge current [mA]	short circuit protection				
Current consumption [mA]	4				
Inverse current max. [µA]	1				
Voltage drop [V]	2				
Ambient temperature [°C]	-25...+120				
Temperature deviation [%]	10 (-25...+70 °C), 20 (-25...+120 °C)				
Overcurrent release approx. [mA]	230				
Reverse Protection	•				
Minimum load current [mA]	-				
EMC-class	A				
Switching frequency [Hz]	1000				500
Protection [EN 60529]	IP 68 + IP 69				
Housing material	PTFE				
Connection	2 m FEP-cable 0.34 mm <sup>2</sup>				
Switching current					
Accessories	nut M30x1.5 (Z00120), clamp Ø 35 (Z00125), page 3.71				

