



Special functions | Surface sensor

Proximity switches

Wide detection range

DC 10...55 V

Sensitivity adjustable

Moisture-resistant

PG-plug IP 68



Design		DC PNP				
Dimensions	Installation non flush (nf)					
Operating distance sn [mm]		100 nf	100 nf	130 nf	150 nf	180 nf
Adjustable range max.		120	150	170	200	250
Switching output PNP						
ID-No.		P31016	P31018	P31020	P31022	P31024
Type		IFE 200/100 GSP	IFE 400/100 GSP	IFE 400/150 GSP	IFE 700/150 GSP	IFE 900/150 GSP
Dimensions	L	200	400	400	700	900
	B	100	100	150	150	150
	Si	108	280	230	190	182
Supply voltage [V]		10...55 DC				
Switching current [mA]		< 400				
Short circuit protection		•				
Overcurrent release approx. [mA]		430				
Reverse protection		•				
Current consumption approx. [mA]		4				
Inverse current max. [μA]		1				
Residual ripple max. [%]		15				
Voltage drop max. [V]		2				
Switching frequency [Hz]		10				
Hysteresis [%]		10				
Ambient temperature [°C]		-25...+75				
Correction factors		St 37: 1	AL: 0.4	VA 4: 0.65	Cu: 0.45	ZN: 0.5 MS: 0.6
EMC-class		A				
Protection [EN 60529]		IP 68				
Housing material		PVC / Aluminium				
Connection		PG-plug connection, 2 m PVC-cable 3x0.5 mm²				
Notes		see page 3.3				