



High temperature 120 °C | AC / DC

Proximity switches

DC 10...55 V
AC 20...250 V

Extended
sensing range

Extended
temperature range
-25 °C...+120 °C



Design	Ø 80 mm		Ø 105 mm		Ø 160 mm	
Dimensions						
Installation non flush (nf)						
Operating distance sn [mm]	50 nf	45 nf	80 nf	60 nf	110 nf	100 nf
Switching output (DC PNP)						
ID-No.	P31276	P31279	P31277	P31280	P31278	P31281
Type	IDT 080 GSP	IDT 080 WS	IDT 105 GSP	IDT 105 WS	IDT 160 GSP	IDT 160 WS
Supply voltage [V]	10...55 DC	20...250 AC	10...55 DC	20...250 AC	10...55 DC	20...250 AC
Switching current [mA]	400	400	400	400	400	400
Short circuit proof	•	–	•	–	•	–
Reverse protection	•	–	•	–	•	–
Voltage drop max. [V]	2	5 eff.	2	5 eff.	2	5 eff.
Minimum load current [mA]	–	5	–	5	–	5
Current consumption [mA]	4	2.5	4	2.5	4	2.5
Switching frequency [Hz]	20	10	20	10	20	10
Ambient temperature [°C]	-25...+120					
EMC-class	A					
Protection [EN 60529]	IP 67					
Housing material	PBT / Aluminium					
Connection	2 m Silicone-cable 3x0.34 mm ²	2 m Silicone-cable 2x0.75 mm ²	2 m Silicone-cable 3x0.34 mm ²	2 m Silicone-cable 2x0.75 mm ²	2 m Silicone-cable 3x0.34 mm ²	2 m Silicone-cable 2x0.75 mm ²
Switching current						