

High temperature 120 °C

Series IDT - Proximity switches

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

Extended
sensing range



Design	Ø80 mm		Ø105 mm		Ø160 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 [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									