



Standard switches

Proximity switches

M8 / M12

Metal sleeve

DC 10...30 V

Euronorm



Design	M8x1	DC PNP • M12x1		DC PNP • M12x1	
Dimensions Installation flush (f) non flush (nf)					
Operating distance sn [mm]	1.5 f	2 f	4 nf	2 f	4 nf
Switching output PNP					
ID-No.	P31013	P31104	P31105	P31106	P31107
Type	IGM 1 GSP	IGM 102 GSP	IGM 104 GSP	IGMU 102 GSP	IGMU 104 GSP
Supply voltage [V]	10...30 DC	10...30 DC	10...30 DC	10...30 DC	10...30 DC
Switching current [mA]	200	200	200	200	200
Short circuit proof	•	•	•	•	•
Overcurrent release [mA]	250	250	250	250	250
Reverse protection	•	•	•	•	•
Voltage drop max. [V]	2	2	2	2	2
Residual current [mA]	–	–	–	–	–
Current consumption (not actuated) [mA]	< 11	< 5	< 5	< 5	< 5
Switching frequency [Hz]	1000	800	400	800	400
Ambient temperature [°C]	–25...+70	–25...+70	–25...+70	–25...+70	–25...+70
EMC-class	A	A	A	A	A
Protection [EN 60529]	IP 67	IP 67	IP 67	IP 67	IP 67
LED display	•	•	•	•	•
Housing material	Stainless steel / PA	Br-Ni / PPO	Br-Ni / PPO	Br-Ni / PPO	Br-Ni / PPO
Connection	2 m PVC-cable 3x0.14 mm ²	2 m PVC-cable 3x0.14 mm ²	2 m PVC-cable 3x0.14 mm ²	M12 connector	M12 connector
Accessories					

connecting cable SLG 3-2, page 3.69