

Standard cylindrical proximity switch-M12

Embeddable-2mm, un-embeddable-4mm

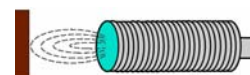


Standard series

2-Wires AC

Embeddable-2mm

Un-embeddable-4mm



Technical feature:

Rated operating distance s_n		2 mm		4 mm	
Installation		embeddable		not embeddable	
AC	Make function	IGE2-12TM-AO		IGN4-12TM-AO	
AC	Break function	IGE2-12TM-AC		IGN4-12TM-AC	
Reduction factor r_{Al}		0.15		0.45	
Reduction factor r_{Cu}		0.1		0.4	
Reduction factor r_{V2A}		0.65		0.8	
Assured operating distance s_a		0 ... 1.6 mm		0 ... 3.2 mm	
Operating voltage U_B		20 ... 25 V		20 ... 250V	
Operating current I_L		5 ... 200 mA		5 ... 200 mA	
Switching frequency f		0 ... 25 Hz		0 ... 25 Hz	
Off-state current I_r		0 ... 0.8 mA typ.		0 ... 0.8 mA typ.	
Momentary current (20ms,0.1Hz)		0 ... 4000 mA		0 ... 4000 mA	
Voltage drop U_d		≤ 5 V		≤ 5 V	
Indication of the switching state		LED, yellow		LED, yellow	
Standards		EN 60947-5-2		EN 60947-5-2	
Ambient temperature		-25 ... 70 °C		-25 ... 70 °C	
Connection type		2 m, PVC cable		2 m, PVC cable	
Core cross-section		0.34 mm ²		0.34 mm ²	
Housing material		brass, nickel-plated		brass, nickel-plated	
Sensing face		PBT		PBT	
Protection degree		IP67		IP67	

Connection:

