

Standard cylindrical proximity switch-M12

Embeddable-2mm, un-embeddable-4mm

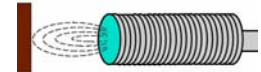


Standard series

2-Wires DC

Embeddable-2mm

Un-embeddable-4mm



Technical feature:

Rated operating distance s_n	2 mm	2 mm	4 mm	4 mm
Installation	embeddable	embeddable	not embeddable	not embeddable
DC Make function	IGE2-12TM-DO	IGE2-12GM-DO-S1	IGN4-12TM-DO	IGN4-12TM-DO-S1
Reduction factor r_{AI}	0.18	0.18	0.37	0.37
Reduction factor r_{Cu}	0.12	0.12	0.36	0.36
Reduction factor r_{V2A}	0.67	0.67	0.74	0.74
Assured operating distance s_a	0 ... 1.6 mm	0 ... 1.6 mm	0 ... 3.2 mm	0 ... 3.2 mm
Operating voltage U_B	5 ... 60 V	5 ... 60 V	5 ... 60 V	5 ... 60 V
Operating current I_L	2 ... 100 mA	2 ... 100 mA	2 ... 100 mA	2 ... 100 mA
Switching frequency f	0 ... 1000 Hz	0 ... 1000 Hz	0 ... 1000 Hz	0 ... 1000 Hz
Off-state current I_r	0 ... 0.7 mA typ.	0 ... 0.7 mA typ.	0 ... 0.7 mA typ.	0 ... 0.7 mA typ.
Voltage drop U_d	≤ 5 V	≤ 5 V	≤ 5 V	≤ 5 V
Reverse polarity protection	tolerant	tolerant	tolerant	tolerant
Short circuit protection	pulsing	pulsing	pulsing	pulsing
Indication of the switching state	LED, yellow	Multihole-LED, yellow	LED, yellow	Multihole-LED, yellow
Standards	EN 60947-5-2	EN 60947-5-2	EN 60947-5-2	EN 60947-5-2
Ambient temperature	-25 ... 70 °C	-25 ... 70 °C	-25 ... 70 °C	-25 ... 70 °C
Connection type	2 m, PVC cable	S1-connector	2 m, PVC cable	S1-connector
Core cross-section	0.14 mm ²	-	0.14 mm ²	-
Housing material	brass, nickel-plated	brass, nickel-plated	brass, nickel-plated	brass, nickel-plated
Sensing face	PBT	PBT	PBT	PBT
Protection degree	IP67	IP67	IP67	IP67

Connection:

