

Standard cylindrical proximity switch-M8

Embeddable-1.5mm, un-embeddable-2mm

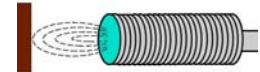


Standard series

2-Wires DC

Embeddable-1.5mm

Un-embeddable-2mm



Technical feature:

Rated operating distance s_n	1.5 mm	1.5 mm	2 mm	2 mm
Installation	embeddable	embeddable	not embeddable	not embeddable
DC Make function	IGE1.5-8TM-DO	IGE1.5-8TM-DO-S2	IGN2-8TM-DO	IGN2-8TM-DO-S2
Reduction factor r_{Al}	0.22	0.22	0.37	0.37
Reduction factor r_{Cu}	0.16	0.16	0.36	0.36
Reduction factor r_{V2A}	0.64	0.64	0.74	0.74
Assured operating distance s_a	0 ... 1.2 mm	0 ... 1.2 mm	0 ... 1.6 mm	0 ... 1.6 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 ... 1200 Hz	0 ... 1200 Hz	0 ... 1200 Hz	0 ... 1200 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	S2-connector	2 m, PVC cable	S2-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:

