

Standard cylindrical proximity switch-M8

Embeddable-1.5mm, un-embeddable-2mm

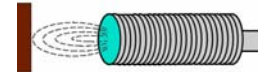


Standard series

3-Wires DC

Embeddable-1.5mm

Un-embeddable-2mm



Technical feature:

Rated operating distance s_n		1.5mm	1.5mm	2 mm	2 mm
Installation		embeddable	embeddable	not embeddable	not embeddable
PNP	Make function	IGE1.5-8TM-PO	IGE1.5-8TM-PO-S2	IGN2-8TM-PO	IGN2-8TM-PO-S2
NPN	Make function	IGE1.5-8TM-NO	IGE1.5-8TM-PO-S2	IGN2-8TM-PO	IGN2-8TM-PO-S2
Reduction factor r_{Al}		0.45	0.45	0.45	0.45
Reduction factor r_{Cu}		0.35	0.35	0.35	0.35
Reduction factor r_{V2A}		0.75	0.75	0.75	0.75
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		10 ... 30 V	10 ... 30 V	10 ... 30 V	10 ... 30 V
Operating current I_L		0 ... 100 mA	0 ... 100 mA	0 ... 100 mA	0 ... 100 mA
Switching frequency f		0 ... 1500 Hz	0 ... 1500 Hz	0 ... 1500 Hz	0 ... 1500 Hz
No-load supply current I_0		≤ 15 mA	≤ 15 mA	≤ 15 mA	≤ 15 mA
Off-state current I_r		0 ... 0.5 mA typ.	0 ... 0.5 mA typ.	0 ... 0.5 mA typ.	0 ... 0.5 mA typ.
Voltage drop U_d		≤ 3 V	≤ 3 V	≤ 3 V	≤ 3 V
Reverse polarity protection		Protected against reverse polarity	Protected against reverse polarity	Protected against reverse polarity	Protected against reverse polarity
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:

