

Proximity switches of series IKM offer large switching distances at small size.

Teach - In
Function

4-wire connection with PNP normally open and normally close output and Proxi-Teach function.

The sensor recognises the existing installation conditions after the key is pressed, and adjusts the operating distance optimally.

Technical Data

Type	IKMN 070T.38 GS4
Art.-No.	2025F
Rated operating distance (S _n)	70 mm
Output	PNP normally open + normally close
Operating distance adjustable	Teach – In*
Target steel St37, 1mm thick	210 x 210 mm
Location at metal	non flush
Supply voltage (U _B)	10 - 55 V DC
Ripple voltage	max 15 %
Load current max.	0 - 400 mA
Short-time load current	2 A / 10 ms 0,8 A / 100 ms
Short circuit protection	yes, pulsing
No-load current (I ₀)	< 10 mA
Voltage drop (U _d)	< 2 V
Operating frequency (f)	50 Hz
Switching hysteresis (H)	1 - 15 %
Ambient temperature	-25 ... +70 °C
Protection class	IP 67**
Connection	plug S4 (M12x1 A)
Function display	LED
Housing material	plastic PBT

*The teach-in function enables usage under non-standard conditions such as, for example, partly flush installation. For further setting information see PIA002

**The protection class is complied with when the protection screw for the adjusting device is screwed in.

Diagram of Connections

