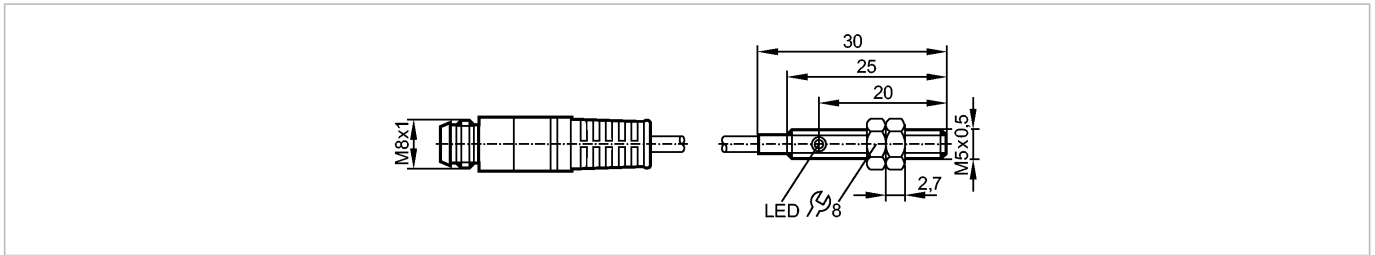


**IY5045**

IYB30.8-BPKG/V2A/0.1M/AS-610-T

**Inductive sensors**



**Product characteristics**

Inductive sensor
Metal thread M5 x 0.5
Cable with connector
Sensing range 0.8 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	2000

**Monitoring range**

Sensing range [mm]	0.8
Real sensing range (Sr) [mm]	0.8 ± 10 %
Operating distance [mm]	0...0.65

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-25...70
Protection	IP 65

**Tests / approvals**

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	953

**Mechanical data**

Mounting	flush mountable
Housing materials	stainless steel (303S22); POM (polyoxymethylene)
Weight [kg]	0.014

**IY5045**

IYB30.8-BPKG/V2A/0.1M/AS-610-T

**Inductive sensors**

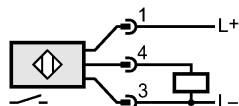
**Displays / operating elements**

Output status indication	LED	yellow
--------------------------	-----	--------

**Electrical connection**

Connection	PVC cable / 0.1 m; with M8 connector (snap-fit)
------------	---

**Wiring**



**Accessories**

Accessories (included)	2 lock nuts
------------------------	-------------

**Remarks**

Pack quantity	[piece]	1
---------------	---------	---