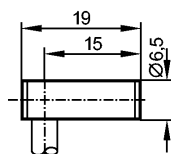


**IT5039**

ITB3002-BPKG/2M PVC

**Inductive sensors**

**Product characteristics**

Inductive sensor

Metal housing Ø 6.5 mm

Cable

Sensing range 2 mm; [f] flush mountable

**Electrical data**

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	20 (24 V)
Reverse polarity protection	yes

**Outputs**

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	200
Short-circuit protection	yes (non-latching)
Overload protection	no
Switching frequency [Hz]	1000

**Monitoring range**

Sensing range [mm]	2
Real sensing range (Sr) [mm]	2 ± 10 %
Operating distance [mm]	0...1.6

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	< 15
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-25...70
Protection	IP 67

**Tests / approvals**

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	1045

**Mechanical data**

Mounting	flush mountable
Housing materials	housing: stainless steel; active face: PBT
Weight [kg]	0.056

**Electrical connection**

Connection	PVC cable / 2 m; 3 x 0.14 mm <sup>2</sup>
------------	---



## IT5039

ITB3002-BPKG/2M PVC

Inductive sensors

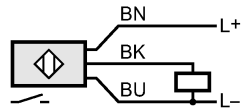
### Wiring

Core colors

BK black

BN brown

BU blue



### Remarks

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

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — IT5039 — 06.03.2003