

IBR4017H

INDUCTIVE SENSORS • INCREASED SWITCHING DISTANCE

sensor inductive, Ø4mm 38long, Quasi-flat, Sn: 2.5, 10-30V DC, PNP NO, Connector M8 3pin, IP67, Nickel silver



MECHANICAL FEATURES

Active area material of sensor	PPE
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder plain
Housing material	Nickel silver
Mechanical mounting condition for sensor	Quasi-flat
Pressure-proof	-
Sensor diameter	4 mm
Sensor length	38 mm

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.2
Correction factor (brass)	0.36
Correction factor (copper)	0.25
Correction factor (St37)	1
Correction factor (stainl. steel)	0.6
Hysteresis	8 %
No-load current	10 mA
Norm measuring plate	7.5x7.5x1
Number of pins	3
Rated switching current	200 mA
Readiness delay	30 ms
Relative repeat accuracy	1.2 %
Residual ripple	20 %
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	2.5 mm
Switching frequency	800 Hz

ELECTRICAL FEATURES

Type of electrical connection	Connector M8
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

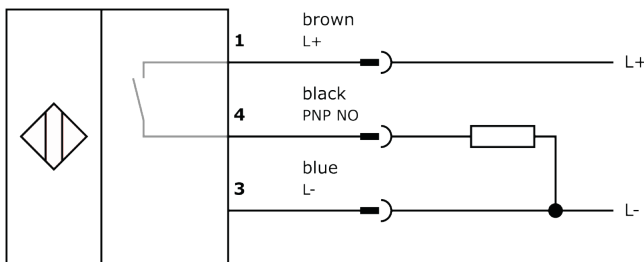
Other

Packaging dimensions	100mm x 17.0mm x 120mm
Shipping weight	0.02kg
Tariff code	85365019

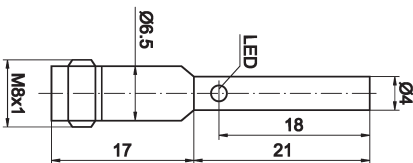
Classification

ipf product group	201
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

Connection



Dimensional drawing



Installation



Mounting / installation may only be carried out by a qualified electrician!

Disposal



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.

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