

IB060186
INDUCTIVE SENSORS • INCREASED SWITCHING DISTANCE

sensor inductive, Ø6,5mm 46long, Quasi-flat, Sn: 3, 6-36V DC, PNP
NO, Connector M8 3pin, IP67, Chromium-nickel steel, Static


MECHANICAL FEATURES

Active area material of sensor	PBT
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 75 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder plain
Housing material	Chromium-nickel steel
Mechanical mounting condition for sensor	Quasi-flat
Pressure-proof	-
Sensor diameter	6.5 mm
Sensor length	46 mm

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.3
Correction factor (St37)	1
Correction factor (stainl. steel)	0.65
Decay time	0.25 ms
Hysteresis	20 %
No-load current	10 mA
Number of pins	3
Operating voltage	6 V ... 36 V
Rated switching current	100 mA
Relative repeat accuracy	1 %
Response time	0.25 ms
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	6 V ... 36 V
Switching behavior of the output	Static
Switching distance	3 mm
Switching frequency	2000 Hz
Type of electrical connection	Connector M8

ELECTRICAL FEATURES

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	-

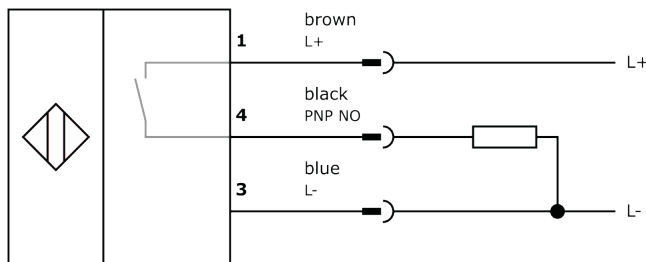
Other

Packaging dimensions	100mm x 9.0mm x 120mm
Shipping weight	0.01kg
Tariff code	85365019

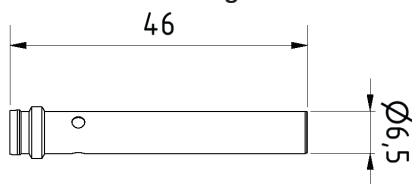
Classification

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.