

IB08E037
INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, M8x1 64long, Flush, Sn: 2, 10-30V DC, PNP NO,
Connector M8 3pin, IP67, Brass Nickel-plated


MECHANICAL FEATURES

Active area material of sensor	PBT
Alignment of cable entry	Axial
Ambient temperature	-25 °C ... 70 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing coating	Nickel-plated
Housing material	Brass
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor length	64 mm
Thread length	55 mm
Thread pitch	1 mm
Thread size, metric	8

ELECTRICAL FEATURES

Cascadable	-
Correction factor (aluminum)	0.3
Correction factor (brass)	0.4
Correction factor (copper)	0.2
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Decay time	0.25 ms
Hysteresis	15 %
No-load current	13 mA
Norm measuring plate	8x8x1
Number of pins	3
Operating voltage	10 V ... 30 V
Rated switching current	200 mA
Readiness delay	100 ms
Relative repeat accuracy	5 %
Residual ripple	10 %
Response time	0.25 ms

ELECTRICAL FEATURES

Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 30 V
Switching distance	2 mm
Switching frequency	2000 Hz
Type of electrical connection	Connector M8
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2.4 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

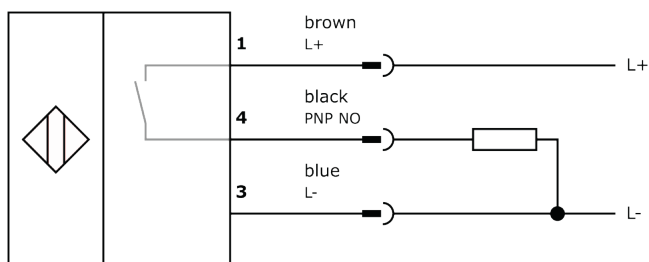
Other

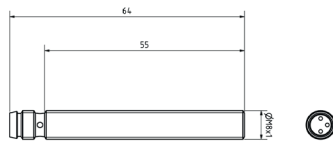
Packaging dimensions	100mm x 80mm x 120mm
Shipping weight	0.02kg
Tariff code	85365019

Classification

ipf product group	700
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.