

IB080150ME

INDUCTIVE SENSORS • INCREASED AMBIENT TEMPERATURE

sensor inductive, M8x1 60long, Flush, Sn: 2, 10-30V DC, 0-140°C,
PNP NO, Cable 2m Silicone, IP65, Stainless steel 1.4305



MECHANICAL FEATURES

Active area material of sensor	Vectra®
Alignment of cable entry	Axial
Ambient temperature	0 °C ... 140 °C
Cable infeed	Axial
Cable length	2 m
Degree of protection (IP)	IP65
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Material of cable sheath	Silicone
Max. tightening torque	3 Nm
Mechanical mounting condition for sensor	Flush
Number of cores	3
Pressure-proof	-
Sensor length	60 mm
Thread length	53 mm
Thread pitch	1 mm
Thread size, metric	8
Wire cross section	0.14 mm ²

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
Hysteresis	15 %
No-load current	15 mA
Norm measuring plate	8x8x1
Operating voltage	10 V ... 30 V
Rated switching current	50 mA
Readiness delay	60 ms
Relative repeat accuracy	3 %

ELECTRICAL FEATURES

Residual ripple	10 %
Response time	0.8 ms
Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Switching distance	2 mm
Switching frequency	600 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC

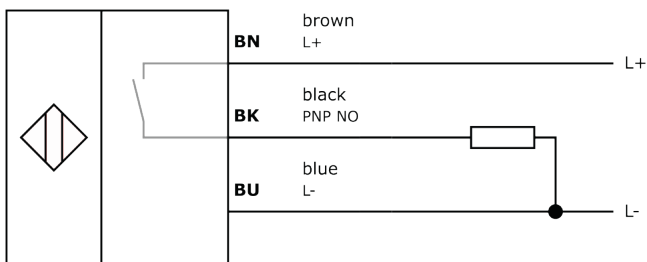
Other

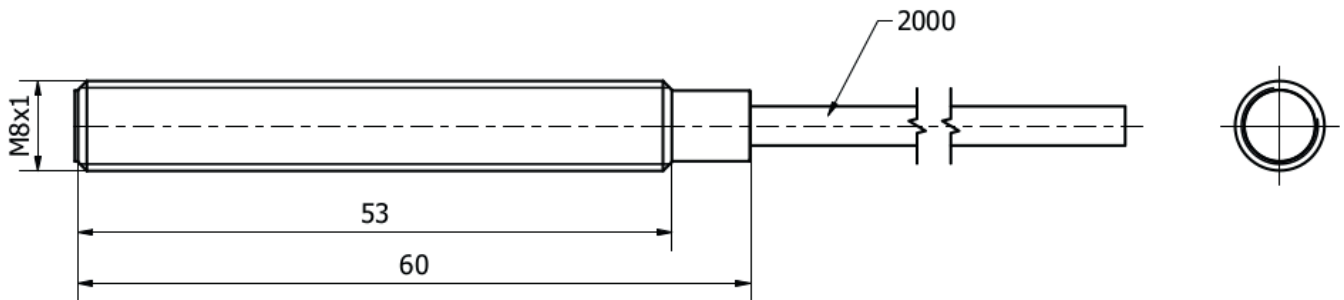
Packaging dimensions	100mm x 13.0mm x 120mm
Shipping weight	0.05kg
Tariff code	85365019

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.