

IB060170

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, Ø6,5mm 60long, Flush, Sn: 1.5, 10-30V DC, PNP NO, Connector M8 3pin, IP67, Stainless steel 1.4305



MECHANICAL FEATURES

	IV000197
Active area material of sensor	PBT
Ambient temperature	-25 °C 70 °C
Degree of protection (IP)	IP67
Housing design	Cylinder plain
Housing material	Stainless steel 1.4305
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor diameter	6.5 mm
Sensor length	60 mm

Cascadable Correction factor (aluminum) 0.3 Correction factor (brass) 0.4 Correction factor (copper) 0.2 Correction factor (st37) 1 Correction factor (stainl. steel) Hysteresis 15 % No-load current 15 mA Number of pins 3 Rated switching current 200 mA Relative repeat accuracy Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 1.5 mm Switching frequency Type of electrical connection Type of switching function Normally open contact	ELECTRICAL FEATURES	
Correction factor (brass) Correction factor (copper) Correction factor (St37) Correction factor (stainl. steel) Hysteresis No-load current Number of pins Rated switching current Relative repeat accuracy Reverse polarity protection Short-circuit protection Suitable for safety functions Supply voltage Switching distance Switching frequency Type of electrical connection 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.	Cascadable	-
Correction factor (copper) Correction factor (St37) Correction factor (stainl. steel) Hysteresis No-load current Number of pins Rated switching current Relative repeat accuracy Reverse polarity protection Short-circuit protection Suitable for safety functions Supply voltage Switching distance Switching frequency Type of electrical connection 1 0.2 10 10 10 10 10 10 10 10 10 1	Correction factor (aluminum)	0.3
Correction factor (St37) Correction factor (stainl. steel) Hysteresis No-load current Number of pins Rated switching current Relative repeat accuracy Reverse polarity protection Short-circuit protection Suitable for safety functions Supply voltage Switching distance Switching frequency Type of electrical connection 10.7 15 mA 200 mA 10 % Reverse polarity protection + Slove the safety functions - Supply voltage 10 V 30 V Switching frequency Type of electrical connection Connector M8	Correction factor (brass)	0.4
Correction factor (stainl. steel) Hysteresis 15 % No-load current 15 mA Number of pins Rated switching current 200 mA Relative repeat accuracy Reverse polarity protection + Short-circuit protection 5uitable for safety functions Supply voltage 10 V 30 V Switching distance Switching frequency Type of electrical connection 0.7 L5 mm 1000 Hz Connector M8	Correction factor (copper)	0.2
Hysteresis 15 % No-load current 15 mA Number of pins 3 Rated switching current 200 mA Relative repeat accuracy 10 % Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 1.5 mm Switching frequency 1000 Hz Type of electrical connection Connector M8	Correction factor (St37)	1
No-load current No-load current Salage of pins Rated switching current Relative repeat accuracy Reverse polarity protection Short-circuit protection Suitable for safety functions Supply voltage Switching distance Switching frequency Type of electrical connection 15 mA 3 Rated switching distance 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 % 10 V 30 V 10 V 30 V	Correction factor (stainl. steel)	0.7
Number of pins3Rated switching current200 mARelative repeat accuracy10 %Reverse polarity protection+Short-circuit protection+Suitable for safety functions-Supply voltage10 V 30 VSwitching distance1.5 mmSwitching frequency1000 HzType of electrical connectionConnector M8	Hysteresis	15 %
Rated switching current Relative repeat accuracy Reverse polarity protection + Short-circuit protection + Suitable for safety functions Supply voltage 10 V 30 V Switching distance 1.5 mm Switching frequency Type of electrical connection 200 mA 10 W 10 W 10 W 10 W 10 V 30 V 10 V 30 V Connector M8	No-load current	15 mA
Relative repeat accuracy Reverse polarity protection Short-circuit protection Suitable for safety functions Supply voltage 10 V 30 V Switching distance Switching frequency Type of electrical connection 10 % H Connector M8	Number of pins	3
Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 1.5 mm Switching frequency 1000 Hz Type of electrical connection Connector M8	Rated switching current	200 mA
Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 1.5 mm Switching frequency 1000 Hz Type of electrical connection Connector M8	Relative repeat accuracy	10 %
Suitable for safety functions Supply voltage 10 V 30 V Switching distance 1.5 mm Switching frequency 1000 Hz Type of electrical connection Connector M8	Reverse polarity protection	+
Supply voltage10 V 30 VSwitching distance1.5 mmSwitching frequency1000 HzType of electrical connectionConnector M8	Short-circuit protection	+
Switching distance1.5 mmSwitching frequency1000 HzType of electrical connectionConnector M8	Suitable for safety functions	-
Switching frequency 1000 Hz Type of electrical connection Connector M8	Supply voltage	10 V 30 V
Type of electrical connection Connector M8	Switching distance	1.5 mm
	Switching frequency	1000 Hz
Type of switching function Normally open contact	Type of electrical connection	Connector M8
	Type of switching function	Normally open contact
Type of switching output PNP	Type of switching output	PNP
Voltage drop 2 V	Voltage drop	2 V



ELECTRICAL FEATURES

Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

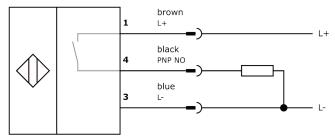
Other

Packaging dimensions	100mm x 17.0mm x 120mm
Shipping weight	0.01kg
Tariff code	85365019

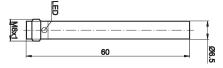
Classification

ipf product group	200
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



Software

Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com

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.