

IB160170

INDUCTIVE SENSORS • NORM SWITCHING DISTANCE

sensor inductive, 28x10x16mm, Flush, Sn: 2, 10-30V DC, PNP NO, Connector M8 3pin, IP67, PA 6 (synthetic)



MECHANICAL FEATURES

Active area material of sensor	PA 6 (synthetic)
Ambient temperature	-25 °C 70 °C
Cable infeed	Axial
Degree of protection (IP)	IP67
Design	Cuboid
Housing material	PA 6 (synthetic)
Mechanical mounting condition for sensor	Flush
Pressure-proof	-
Sensor height	28 mm
Sensor length	10.5 mm
Sensor width	16 mm

ELECTRICAL FEATURES

Cascadable Hysteresis 15 % No-load current 11 mA Number of pins 3 Rated switching current 200 mA Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display With monitoring function of downstream devices	ELLO INICAL I LAI ONES	
No-load current Number of pins Rated switching current Reverse polarity protection Short-circuit protection + Suitable for safety functions Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Type of switching function Normally open contact Type of switching output PNP Voltage drop Voltage type DC With LED display # # # # # # # # # # # # # # # # # # #	Cascadable	-
Number of pins Rated switching current Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Type of switching function Normally open contact Type of switching output Voltage drop Voltage type DC With LED display 3 Annual Supply was a series of the contact of	Hysteresis	15 %
Rated switching current Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display +	No-load current	11 mA
Reverse polarity protection + Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display +	Number of pins	3
Short-circuit protection + Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display +	Rated switching current	200 mA
Suitable for safety functions - Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display +	Reverse polarity protection	+
Supply voltage 10 V 30 V Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display +	Short-circuit protection	+
Switching distance 2 mm Switching frequency 800 Hz Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display +	Suitable for safety functions	-
Switching frequency Type of electrical connection Connector M8 Type of switching function Normally open contact Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display #	Supply voltage	10 V 30 V
Type of electrical connection Type of switching function Type of switching output Voltage drop Voltage type DC With LED display Connector M8 Normally open contact PNP 1.6 V DC	Switching distance	2 mm
Type of switching function Type of switching output PNP Voltage drop 1.6 V Voltage type DC With LED display Normally open contact PNP 1.6 V +	Switching frequency	800 Hz
Type of switching output Voltage drop 1.6 V Voltage type DC With LED display PNP 1.6 V +	Type of electrical connection	Connector M8
Voltage drop 1.6 V Voltage type DC With LED display +	Type of switching function	Normally open contact
Voltage type DC With LED display +	Type of switching output	PNP
With LED display +	Voltage drop	1.6 V
	Voltage type	DC
With monitoring function of downstream devices -	With LED display	+
	With monitoring function of downstream devices	-



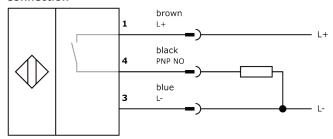
Other

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

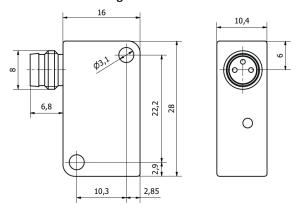
Classification

ipf product group	215
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.