



# **Inductive sensor II5841**

URL:https://www.sxplc.com/inductive-sensor-ii5841

# **Product data sheet**

No cables, no accessories, no technical services

#### Product characteristics

Electrical design	PNP	
Output function	normally open	
Sensing range [mm]	15	
Housing	Threaded type	
Dimensions [mm]	M30 x 1.5 / L = 60	

#### Application

System	gold-plated contacts
Application	Industrial applications

1/5

#### Electrical data

Operating voltage [V]	1030 DC	
Current consumption [mA]	10	
Protection class	II	
Reverse polarity protection	yes	

#### Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC	200
[mA]	
Switching frequency DC [Hz]	100
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

## Monitoring range

Sensing range [mm]	15
Real sensing range Sr [mm]	15 ± 10 %
Operating distance [mm]	012.15

#### Accuracy / deviations

· ·	

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 /	
	aluminum: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	120	
Switch-point drift [% of Sr]	-1010	

## Operating conditions

Ambient temperature [°C]	-2570
Protection	IP 67

#### Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF	10 V/m
	radiated	
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF	10 V
	conducted	
	EN 55011	class B
MTTF [years]	1083	

# Mechanical data

Weight [g]	121.9
Housing	Threaded type
Mounting	flush mountable
Dimensions [mm]	M30 x 1.5 / L = 60

Thread designation	M30 x 1.5	
Material	housing: brass white bronze coated; sensing face:	
	LCP natural; LED window: PEI; lock nuts: brass	
	white bronze coated	
Tightening torque [Nm]	50	

## Displays / operating elements

Display Switching status 4 x LED, yellow	Display	Switching status	4 x LED, yellow
--	---------	------------------	-----------------

#### Accessories

Items supplied	lock nuts: 2
----------------	--------------

#### Remarks

Pack quantity	1 pcs.
---------------	--------

## Electrical connection - plug

Connection	Connector: 1 x M12; coding: A; Contacts: gold-
	plated

4/5

