



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

Electrical data

Operating voltage [V]	10...30 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 [mA]	200
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 S_r [mm]	$15 \pm 10 \%$
Operating distance [mm]	0...12.15

Accuracy / deviations

--	--

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	-25...70
Protection	IP 67

Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	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
---------	------------------	-----------------

Accessories

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

Remarks

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

Electrical connection - plug

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

