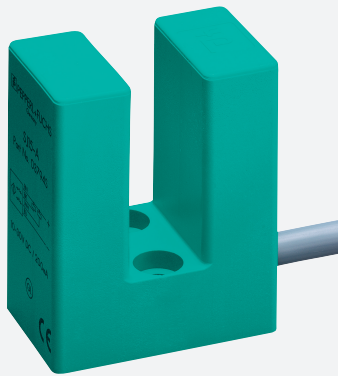




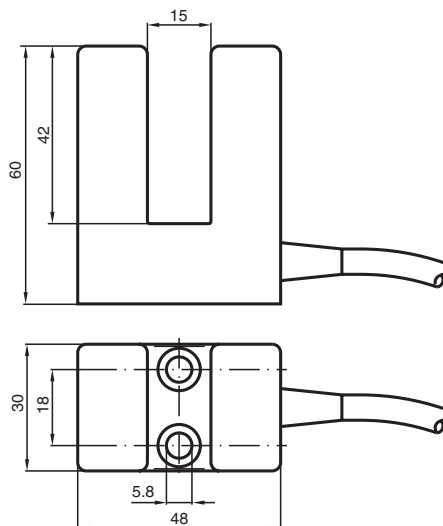
Inductive slot sensor

SJ15-WS

- 15 mm slot width
- 2-wire AC



Dimensions



Technical Data

General specifications

Switching function	Normally open (NO)
Output type	Two-wire
Slot width	15 mm
Depth of immersion (lateral)	18.5 ... 20.5 mm
Output polarity	AC
Output type	2-wire

Nominal ratings

Operating voltage	U_B	20 ... 253 V AC
Switching frequency	f	0 ... 25 Hz
Hysteresis	H	typ. 5%
Voltage drop	U_d	Typ. 4 V at 40 ... 500 mA load current Typ. 5 V at 15 ... 40 mA load current Typ. 7 V at 5 ... 15 mA load current
Voltage drop at I_L		
Voltage drop $I_L = 200$ mA, switching element on	U_d	3.5 V

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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 **PEPPERL+FUCHS**

Technical Data

Momentary current (20 ms, 0.1 Hz)		max. 4000 mA
Operating current	I_L	5 ... 500 mA
Off-state current	I_r	≤ 2 mA
Functional safety related parameters		
MTTF _d		1553 a
Mission Time (T _M)		20 a
Diagnostic Coverage (DC)		0 %
Compliance with standards and directives		
Standard conformity		
Standards		EN IEC 60947-5-2
Approvals and certificates		
UL approval		cULus Listed, General Purpose
CCC approval		Certified by China Compulsory Certification (CCC)
Ambient conditions		
Ambient temperature		-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications		
Connection type		cable
Housing material		PBT
Degree of protection		IP67
Cable		
Wire end ferrules		yes
Cable diameter		6 mm ± 0.2 mm
Bending radius		> 10 x cable diameter
Material		PVC
Color		grey
Number of cores		2
Core cross section		0.75 mm ²
Length	L	2 m
Dimensions		
Height		60 mm
Width		30 mm
Length		48 mm
Note		¹⁾ In the temperature range below 0 °C, permissible operating voltage U _b 80...253 V Safety fuse ≤ 2 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

Connection

