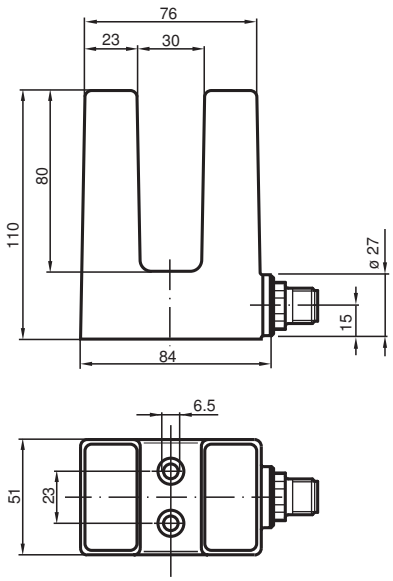
Inductive slot sensor

SJ30-A0-V1

- 30 mm slot width
- 4-wire DC

Dimensions



Technical Data

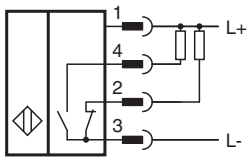
General specifications		
Switching function		complementary
Output type		NPN
Slot width		30 mm
Depth of immersion (lateral)		27 ... 31 mm
Output polarity		DC
Output type		4-wire
Nominal ratings		
Operating voltage	U_B	10 ... 65 V DC
Switching frequency	f	0 ... 150 Hz
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 200 mA
No-load supply current	I_0	≤ 20 mA
Functional safety related parameters		
$MTTF_d$		757 a
Mission Time (T_M)		20 a
Diagnostic Coverage (DC)		0 %

Release date: 2020-03-20 Date of issue: 2020-03-30 Filename: 084420_eng.pdf

Technical Data

Compliance with standards and directives	
Standard conformity	
Standards	EN 60947-5-2:2007 EN 60947-5-2/A1:2012 IEC 60947-5-2:2007 IEC 60947-5-2 AMD 1:2012
Approvals and certificates	
UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose
Ambient conditions	
Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Mechanical specifications	
Connection type	Connector plug M12 x 1 , 4-pin
Housing material	ABS
Degree of protection	IP67

Connection



Accessories

	V1-G-2M-PUR	Female cordset, M12, 4-pin, PUR cable
	V1-W-2M-PUR	Female cordset, M12, 4-pin, PUR cable

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