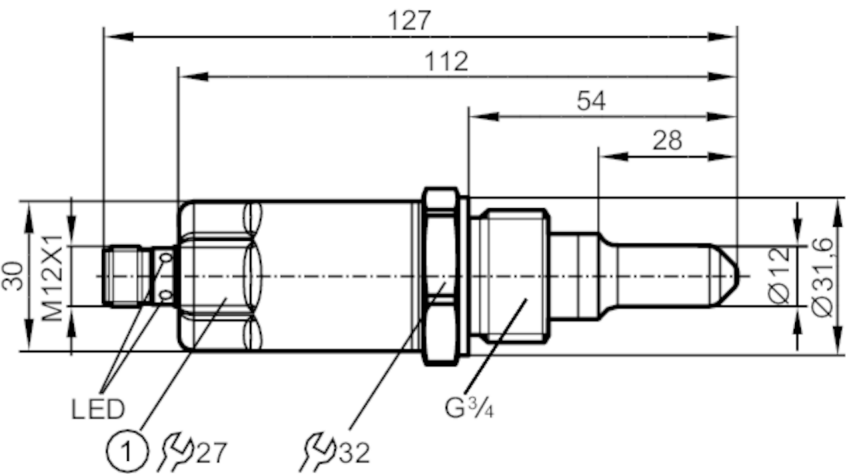


LMT292



Sensor for point level detection

LMBCE-A34E-QPKG-2/US



1 Tightening torque 35 Nm



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2
Factory setting	hydrous media
Process connection	G 3/4 external thread

Application

Special feature	Gold-plated contacts
Installation	suited for installation in existing tuning fork adapters
Media	Liquids
Recommended media	water; hydrous media; oils; oil-based media
Cannot be used for	See the operating instructions, chapter "Function and features".
Probe length [mm]	28
Tank pressure [bar]	-1...40; (applications subject to the German Federal Water Act : -0,5...10 bar)

Oil	
Medium temperature [°C]	-25...100; (applications subject to the German Federal Water Act 0...100 °C)
Medium temperature short time [°C]	-25...150; (1 h; applications subject to the German Federal Water Act : 0...100 °C)
Water	
Medium temperature [°C]	-25...85; (applications subject to the German Federal Water Act : 0...85 °C)
Medium temperature short time [°C]	-25...150; (1 h; applications subject to the German Federal Water Act : 0...100 °C)

Electrical data

Operating voltage [V]	18...30 DC
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	yes
Measuring principle	capacitive

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Inputs / outputs								
Number of inputs and outputs		Number of digital outputs: 2						
Outputs								
Total number of outputs		2						
Output signal		switching signal; IO-Link						
Electrical design		PNP						
Number of digital outputs		2						
Max. voltage drop switching output DC [V]		2.5						
Permanent current rating of switching output DC [mA]		100						
Short-circuit protection		yes						
Type of short-circuit protection		pulsed						
Overload protection		yes						
Measuring/setting range								
Factory setting		hydrous media						
Response times								
Response time [s]		< 0.5						
Interfaces								
Communication interface		IO-Link						
Transmission type		COM2 (38,4 kBaud)						
IO-Link revision		1.1						
SDCI standard		IEC 61131-9						
Profiles		Smart Sensor: Process Data Variable; Device Identification						
SIO mode		yes						
Required master port type		A						
Process data analogue		1						
Process data binary		2						
Min. process cycle time [ms]		2.3						
Supported DeviceIDs		<table><tr><th>Type of operation</th><th>DeviceID</th></tr><tr><td>default</td><td>449</td></tr></table>	Type of operation	DeviceID	default	449		
Type of operation	DeviceID							
default	449							
Operating conditions								
Ambient temperature [°C]		-20...85						
Note on ambient temperature		Medium temperature 100...150 °C						
		-40...60 °C						
Storage temperature [°C]		-40...85						
Protection		IP 68; IP 69K						
Tests / approvals								
Approval		WHG; General building authority approval; overflow prevention						
EMC		<table><tr><td>DIN EN 61000-6-2</td><td></td></tr><tr><td>DIN EN 61000-6-4</td><td>open tanks</td></tr><tr><td>DIN EN 61000-6-3</td><td>closed tanks</td></tr></table>	DIN EN 61000-6-2		DIN EN 61000-6-4	open tanks	DIN EN 61000-6-3	closed tanks
DIN EN 61000-6-2								
DIN EN 61000-6-4	open tanks							
DIN EN 61000-6-3	closed tanks							
Shock resistance		DIN EN 60068-2-27 50 g (11 ms)						
Vibration resistance		DIN EN 60068-2-6 20 g (10...2000 Hz)						

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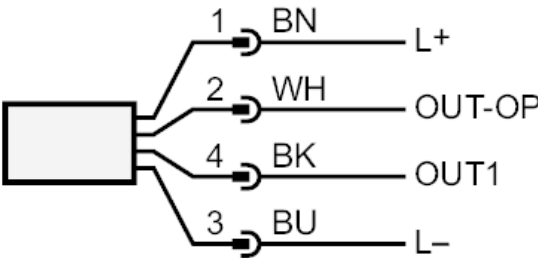
MTTF	[years]	222.77
UL approval	UL Approval no.	H001
Mechanical data		
Weight	[g]	295.5
Materials	stainless steel (316L/1.4404); PEEK; PEI; FKM	
Materials (wetted parts)	PEEK; surface characteristics: Ra < 0,8 / Rz 4	
Process connection	G 3/4 external thread	
Displays / operating elements		
Display	switching status	LED, yellow
	operating status	LED, green
Remarks		
Pack quantity	1 pcs.	

Electrical connection

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



Connection



OUT1:	switching output
OUT-OP	switching output overflow prevention to the German Federal Water Act (WHG)
	colours to DIN EN 60947-5-2
	Core colours :
BK =	black
BN =	brown
BU =	blue
WH =	white