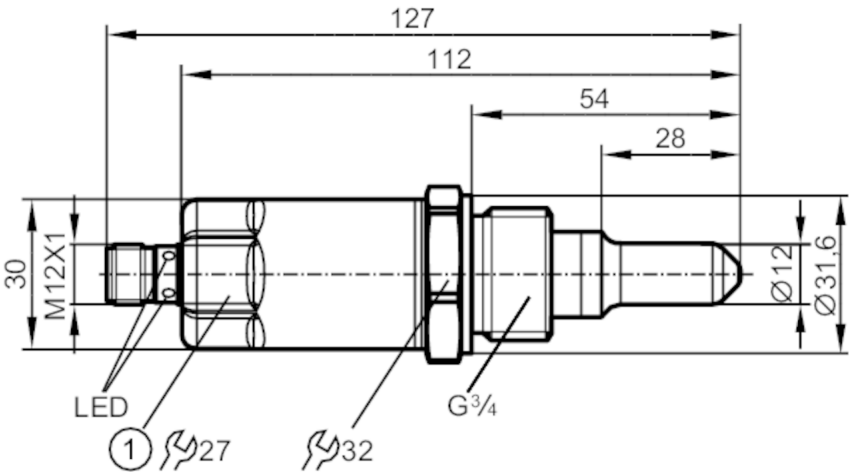


LMT202



Sensor for point level detection

LMBCE-A34E-QSKG-2/US



1 Tightening torque 35 Nm

ACS EC 1935/2004 KTW/W270

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; viscous media; powder
Recommended media	water; hydrous media; oils; oil-based media; powder
Cannot be used for	See the operating instructions, chapter "Function and features".
Probe length [mm]	28
Tank pressure [bar]	-1...40
Oil	
Medium temperature [°C]	-20...100
Medium temperature short time [°C]	-20...150; (1 h)
Water	
Medium temperature [°C]	-20...100
Medium temperature short time [°C]	-20...150; (1 h)
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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Sensor for point level detection

LMBCE-A34E-QSKG-2/US

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/NPN	
Number of digital outputs		2	
Output function		normally open / normally closed; (parameterisable)	
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		Type of operation	DeviceID
		default	370
Operating conditions			
Ambient temperature [°C]		-20...85	
Note on ambient temperature		Medium temperature: < 100 °C	
		-20...60 °C	
		Medium temperature: < 150 °C	
Storage temperature [°C]		-40...85	
Protection		IP 68; IP 69K	
Tests / approvals			
EMC	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)

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Sensor for point level detection

LMBCE-A34E-QSKG-2/US

Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF	[ANN]	223
UL approval	UL Approval no.	H001

Mechanical data		
Weight	[g]	145.7
Dimensions	[mm]	Ø 30 / L = 112
Materials	stainless steel (1.4404 / 316L); 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

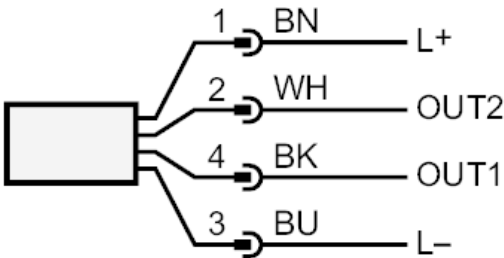
Remarks		
Pack quantity	1 pcs.	

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



Connection



OUT1: switching output IO-Link Teach
OUT2: switching output
colours to DIN EN 60947-5-2