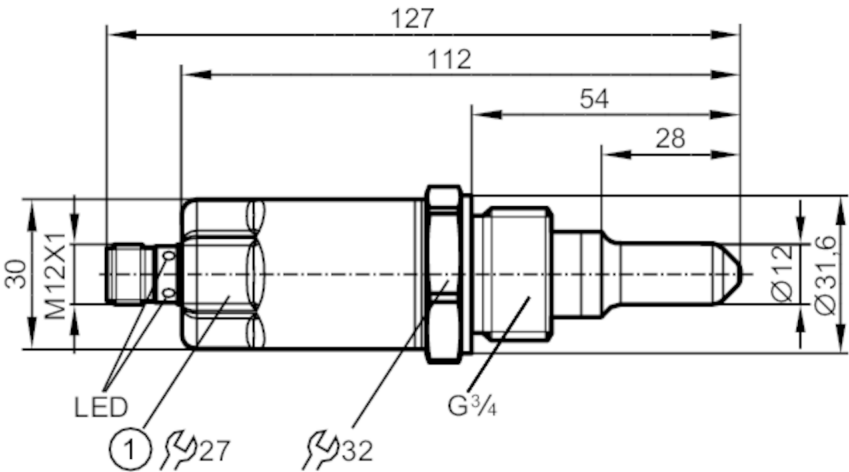


LMT202



Sensor for point level detection

LMBCE-A34E-QSKG-2/US



1 Tightening torque 35 Nm

ACS EC 1935/2004 FCM KTW/W270

Product characteristics		
Number of inputs and outputs	Number of digital outputs: 2	
Factory setting	water-based media	
Process connection	G 3/4 external thread	
Application		
System	gold-plated contacts	
Installation	suited for installation in existing tuning fork adapters	
Media	Liquids; viscous media; powder	
Recommended media	water; water-based media; oils; oil-based media; powder	
Cannot be used for	See the operating instructions, chapter "Function and features".	
Probe length	[mm]	28
Tank pressure	-1...40 bar	-0.1...4 MPa
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	



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 / closed; (configurable)	
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		yes (non-latching)	
Overload protection		yes	
Measuring/setting range			
Factory setting		water-based media	
Reaction 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 - SSP 0	
		Generic Profiled Sensor	
		Function	
		Device identification	
		Function	
		Process data variable	
SIO mode		yes	
Required master port class		A	
Process data analog		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	

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LMBCE-A34E-QSKG-2/US

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)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF [years]		223
UL approval	UL approval number	H001

Mechanical data		
Weight [g]		145.7
Dimensions [mm]		Ø 30 / L = 112
Material		stainless steel (1.4404 / 316L); PEEK; PEI; FKM
Materials (wetted parts)		PEEK surface characteristics: Ra < 0,8 µm / Rz = 4 µm
Process connection		G 3/4 external thread

Displays / operating elements		
Display	Switching status	LED, yellow
	operating status	LED, green

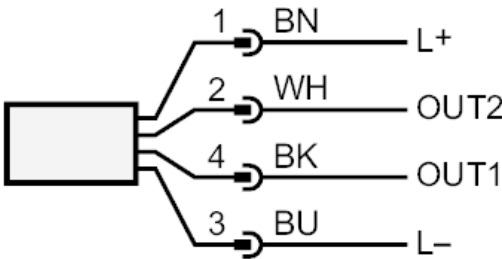
Remarks	
Pack quantity	1 pcs.

Electrical connection

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



Connection



OUT1: Switching output IO-Link Teach
OUT2: Switching output
Colors to DIN EN 60947-5-2