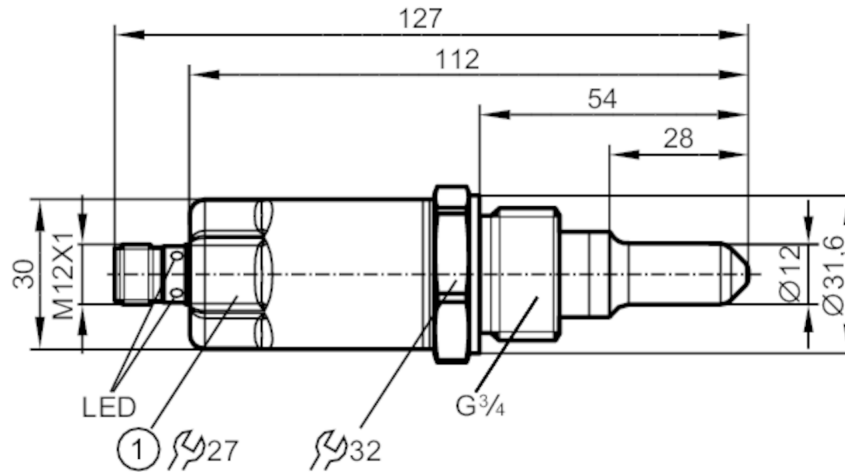


LMT202



Sensor for point level detection

LMBCE-A34E-QSKG-2/US



1 Tightening torque 35 Nm

ACS EC 1935/2004

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

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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
IO-Link device ID	0x000172
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
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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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 no.	H001

Mechanical data		
Weight [g]	287.5	
Dimensions [mm]	Ø 30 / L = 112	
Materials	stainless steel (1.4404 / 316L); PEEK; PEI; FKM	
Materials (wetted parts)	PEEK	
Process connection	G 3/4 external thread	
Surface characteristics Ra/Rz of the wetted parts	< 0.8	

Displays / operating elements		
Display	switching status	LEDs, yellow
	operating status	LEDs, green

Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



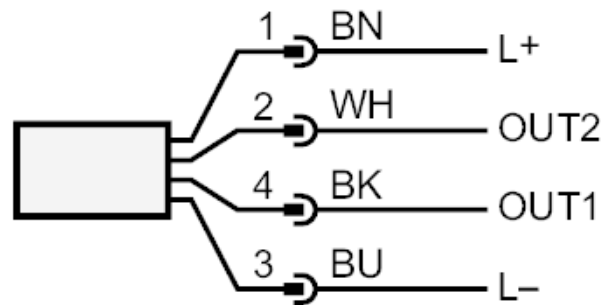
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Connection



OUT1: switching output IO-Link Teach

OUT2: switching output

colours to DIN EN 60947-5-2