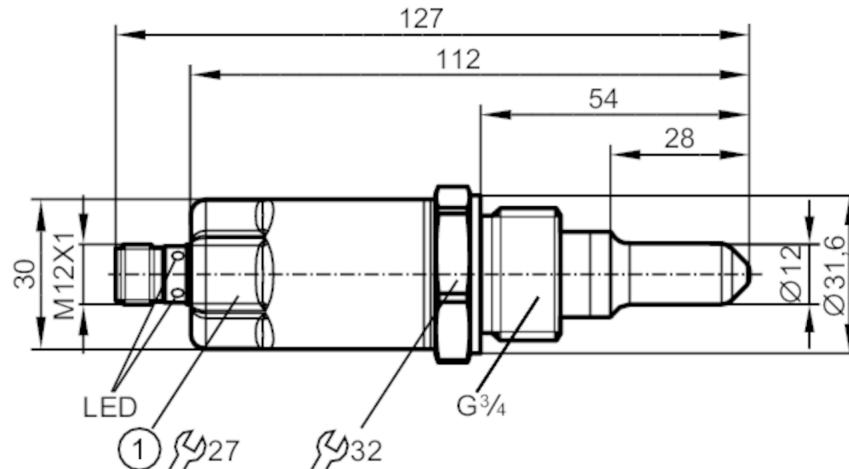


Sensor for point level detection

LMBCE-A34E-QPKG-2/US



1 Tightening torque 35 Nm



Product characteristics

Number of inputs and outputs	Number of digital outputs: 2
Factory setting	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
Recommended media	water; water-based media; oils; oil-based media
Cannot be used for	See the operating instructions, chapter "Function and features".
Probe length [mm]	28
Tank pressure	-1...40; (Applications according to the German Federal Water Act (WHG): -0,5...10 bar) bar
	-0.1...4; (Applications according to the German Federal Water Act (WHG): -0,5...10 bar) MPa

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

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

Electrical data	
Operating voltage [V]	18...30 DC
Current consumption [mA]	< 50
Protection class	III

LMT292



Sensor for point level detection

LMBCE-A34E-QPKG-2/US

Reverse polarity protection		yes
Measuring principle		capacitive
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		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
SIO mode		yes
Required master port class		A
Process data analog		1
Process data binary		2
Min. process cycle time [ms]		2.3
Supported DevicIDs	Type of operation	DevicID
	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	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)

LMT292



Sensor for point level detection

LMBCE-A34E-QPKG-2/US

Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)		
MTTF [years]		222.77		
UL approval	UL approval number	H001		
Mechanical data				
Weight [g]		295.5		
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			
OUT-OP	Switching output overflow prevention to the German Federal Water Act (WHG) Colors to DIN EN 60947-5-2 Core colors :			
BK =	black			
BN =	brown			
BU =	blue			
WH =	white			