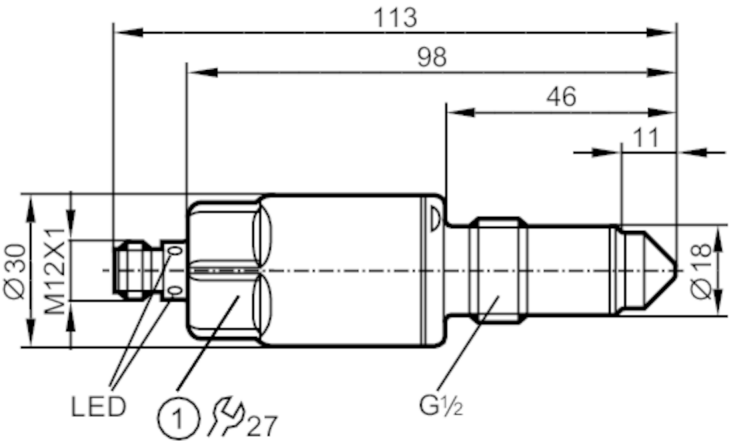


LMT121



Sensor for point level detection

LMACE-A12E-QSKG-2/US



1 Tightening torque 20...25 Nm



Application	
Media	Liquids; viscous media; powder
Cannot be used for	See the operating instructions, chapter "Function and features".
Probe length [mm]	11
Tank pressure [bar]	-1...40; (MAWP (for applications according to CRN): 40 bar / 4 MPa)
oil	
Medium temperature [°C]	-40...100
Medium temperature short time [°C]	-40...150; (1 h)
water	
Medium temperature [°C]	-40...100
Medium temperature short time [°C]	-40...150; (1 h)
Electrical data	
Operating voltage [V]	18...30 DC
Current consumption [mA]	< 50
Protection class	III
Reverse polarity protection	yes
Inputs / outputs	
Number of inputs and outputs	Number of digital outputs: 2

LMT121



Sensor for point level detection

LMACE-A12E-QSKG-2/US

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	media with low water content	
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	0x000132	
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]	-40...85	
Note on ambient temperature	Medium temperature: < 100 °C	
	-40...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)
Vibration resistance	DIN EN 60068-2-6	20 g (10...2000 Hz)
MTTF [years]	223	
UL approval	UL Approval no.	H001

LMT121



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LMACE-A12E-QSKG-2/US

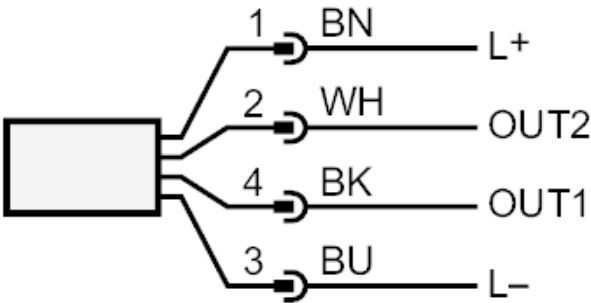
Mechanical data		
Weight	[g]	207.8
Materials	stainless steel (1.4404 / 316L); PEEK; PEI; FKM	
Materials (wetted parts)	PEEK	
Process connection	G 1/2 external thread	
Surface characteristics Ra/Rz of the wetted parts	< 0.8	
Displays / operating elements		
Display	switching status	LEDs, yellow
	operating status	LEDs, green
Remarks		
Pack quantity	1 pcs.	

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection



- OUT1: switching output IO-Link Teach
- OUT2: switching output
- colours to DIN EN 60947-5-2
- Core colours :
- BK = black
- BN = brown
- BU = blue
- WH = white