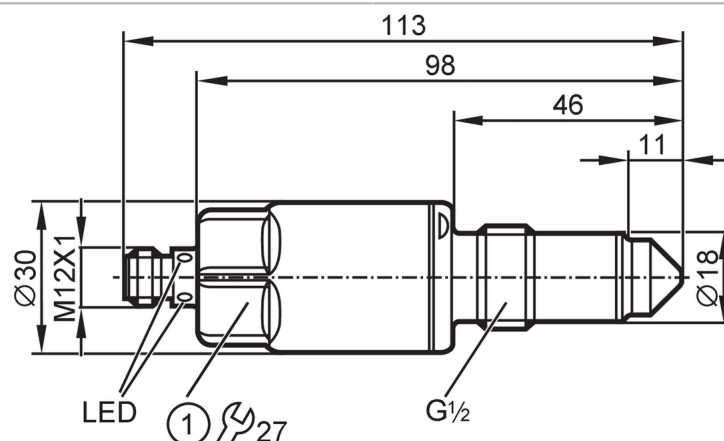


LMT121



Sensor for point level detection

LMACE-A12E-QSKG-2/US



1 Tightening torque 20...25 Nm



ACS



CRN



EC 1935/2004

EHEDG Certified

FCM CN FCM JP



Reg31 UK CA

Product characteristics

Number of inputs and outputs	Number of digital outputs: 2
Factory setting	media with low water content
Process connection	threaded connection G 1/2 sealing cone

Application

Special feature	Gold-plated contacts
Media	liquid and viscous media; powder
Cannot be used for	See the operating instructions, chapter "Function and features".
Probe length [mm]	11
Tank pressure	-1...40; (MAWP for applications according to CRN: 40 bar / 4 MPa) bar
MAWP for applications according to CRN [bar]	-0.1...4; (MAWP for applications according to CRN: 40 bar / 4 MPa) MPa
	40

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
Measuring principle	capacitive



Sensor for point level detection

LMACE-A12E-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		media with low water content	
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	
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	306
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)

LMT121



Sensor for point level detection

LMACE-A12E-QSKG-2/US

MTTF	[years]	223
UL approval	UL approval no.	H001

Mechanical data		
Weight	[g]	211
Dimensions	[mm]	Ø 30 / L = 113
Materials	stainless steel (316L/1.4404); PEEK; PEI; FKM	
Materials (wetted parts)	PEEK surface characteristics: Ra < 0,8 µm / Rz = 4 µm	
Process connection	threaded connection G 1/2 sealing cone	

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

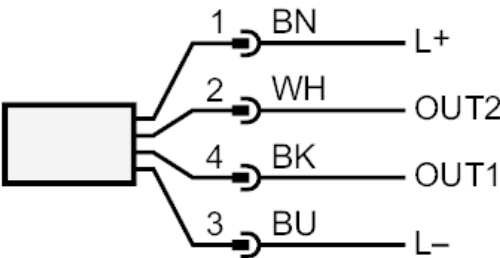
Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A; Contacts: 4, 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