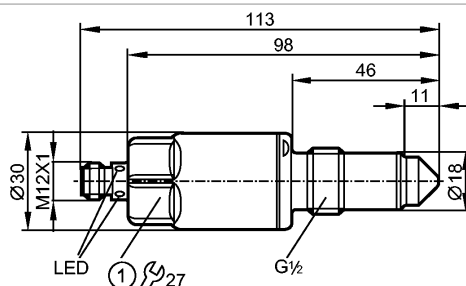


LMT121

LMAE-A12E-QSKG-2/US

Level sensors



1: tightening torque 20...25 Nm



Product characteristics

Electronic level sensor
Quick disconnect
Process connection: G ½ A
gold-plated contacts
Probe length: 11 mm
Communication interface: IO-Link 1.1
2 switching outputs

Application

Application	liquid, viscous and powdery media
Recommended media	Media with low water content
Cannot be used for:	See the operating instructions, chapter "Function and features".

Medium temperature oil

- Continuous	[°C]	-40...100
- Short time	[°C]	-40...150 (1 h)

Medium temperature water and hydrous media

- Continuous	[°C]	-40...85
- Short time	[°C]	-40...150 (1 h)

Electrical data

Electrical design		DC PNP/NPN
Operating voltage	[V]	18...30 DC
Current consumption	[mA]	< 50
Protection class		III
Reverse polarity protection		yes

Outputs

Output		2 switching outputs
Output function		2 x normally open / closed programmable
Current rating	[mA]	100
Voltage drop	[V]	< 2.5
Short-circuit protection		yes (non-latching)
Overload protection		yes

Measuring / setting range

Factory setting		Media with low water content
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Interfaces

LMT121

LMACE-A12E-QSKG-2/US

IO-Link Device	
Transfer 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 class	A
Process data analogue	1
Process data binary	2
Min. process cycle time [ms]	2.3

Environment

Ambient temperature [°C]	-40...85, at max. 100 °C medium temperature (-40...60 °C at max. 150 °C medium temperature)
Storage temperature [°C]	-40...85
Maximum vessel pressure [bar]	-1...40 *)
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 number	H001

Mechanical data

Process connection	G ½ A
Materials (wetted parts)	PEEK; surface characteristics: Ra < 0.8
Housing materials	stainless steel (316L / 1.4404); PEEK; PEI; FKM
Weight [kg]	0.208

Displays / operating elements

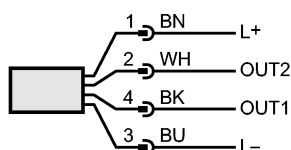
Display	Switching status LEDs yellow operating status LEDs green
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Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring

Core colors
 BK black
 BN brown
 BU blue
 WH white



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

Remarks



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LMACE-A12E-QSKG-2/US

Level sensors

Remarks	*) MAWP (for applications according to CRN): 40 bar (4 MPa)
Pack quantity [piece]	1