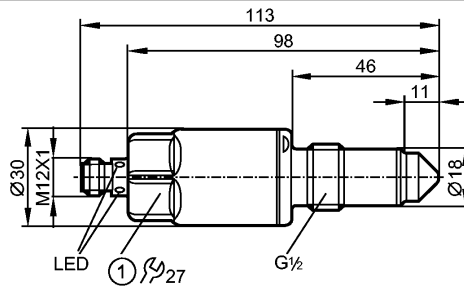


**LMT121**

LMACE-A12E-QSKG-2/US

Level sensors



1: tightening torque 20...25 Nm



Made in Germany

**Product characteristics**

Electronic level sensor
Connector
Process connection: G ½ A
Communication interface: IO-Link 1.1 (COM2 slave, 38.4 kBaud)
Gold-plated contacts
2 switching outputs

**Application**

Application	liquid, viscous and powdery media
Recommended media	water, water-based media, oils, oil-based media, powdery media
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 (1h)

**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		pulsed
Overload protection		yes

**Interfaces**

IO-Link Device		
Transfer type		COM2 (38.4 kBaud)
IO-Link revision		1.1
SDCI standard		IEC 61131-9 CDV
IO-Link Device ID		306 d / 00 01 32 h

## LMT121

LMACE-A12E-QSKG-2/US

Level sensors

Profiles	no profile
SIO mode	yes
Required master port type	A
Process data analogue	1
Process data binary	2
Min. process cycle time [ms]	2.3

### Environment

Ambient temperature [°C]	-40...60
Storage temperature [°C]	-40...80
Maximum vessel pressure [bar]	-1...40
Protection	IP 68 / IP 69K

### Tests / approvals

EMC	IEC 61000-6-2 : 2005 IEC 61000-6-4 : 2006 / (open tanks) IEC 61000-6-3 : 2006 / (closed tanks)
Shock resistance	IEC 60068-2-27: 50 g (11 ms)
Vibration resistance	DIN EN 60068-2-6: 20 g (10...2000 Hz)
MTTF [Years]	230

### 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]	0.195

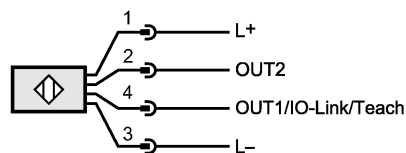
### Displays / operating elements

Display	Switching status 2 LED yellow operating status 2 LED green
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### Electrical connection

Connection	M12 connector; Gold-plated contacts
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### Wiring



### Remarks

Pack quantity [piece]	1
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