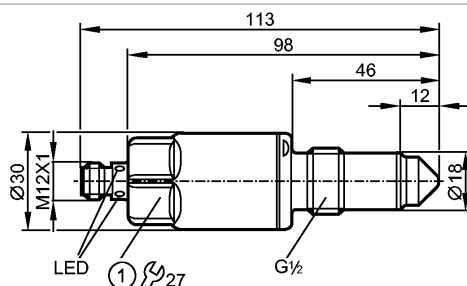


LMT121

LMACE-A12E-QSKG-2/US

Level sensors



1: tightening torque 20...25 Nm



EHEDG Certified



IO-Link

Made in Germany

Product characteristics

Electronic level sensor

Quick disconnect

Process connection: G 1/2 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		Yes (non-latching)
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 class	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; FPM (Viton)
Weight [kg]	0.195

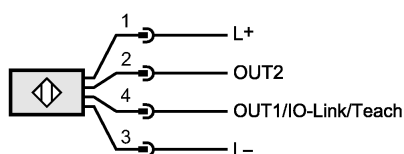
Displays / operating elements

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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