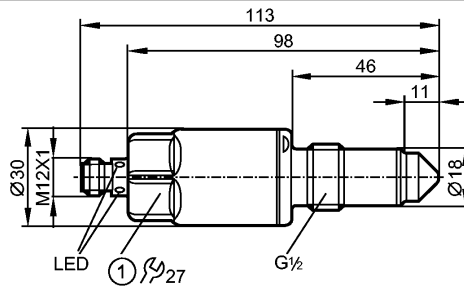


LMT01A

LMACE-A12E-QSKG-1/US/3D/3G

Level sensors



1: tightening torque 20...25 Nm

CE EC 1935/2004 EHEDG Certified FDA IO-Link

Product characteristics	
Electronic level sensor	
Quick disconnect	
Process connection: G ½ A	
gold-plated contacts	
Probe length: 11 mm	
ATEX approval	
Group II, category 3D/3G	
Communication interface: IO-Link 1.1	
2 switching outputs	
Application	
Application	liquid, viscous and powdery media
Recommended media	oils, oil-based media, powdery media
Cannot be used for:	See the operating instructions, chapter "Function and features".
Medium temperature [°C]	-20...85
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	oils, oil-based media, powdery media
Interfaces	
IO-Link Device	
Transfer type	COM2 (38.4 kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9
IO-Link Device ID	0x000131



LMT01A

LMACE-A12E-QSKG-1/US/3D/3G

Level sensors

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]	-20...60
Storage temperature [°C]	-40...85
Maximum vessel pressure [bar]	-1...40
Protection	IP 67; when used outside hazardous areas: IP 68 / IP69

Tests / approvals	
Marking of the unit	 II3D Ex tc IIIC T90°C Dc X  II3G Ex nA IIC T4 Gc X
EMC	DIN EN 61000-6-2 DIN EN 61000-6-4 open tanks DIN EN 61000-6-3 closed tanks
Shock resistance	DIN EN 68000-2-27: 50 g (11 ms)
Vibration resistance	DIN EN 68000-2-6: 20 g (10...2000 Hz)
MTTF [Years]	223

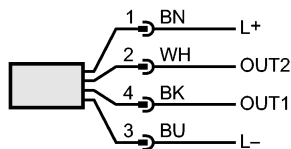
Mechanical data	
Process connection	G ½ A
Materials (wetted parts)	PEEK; surface characteristics: Ra < 0.8
Housing materials	stainless steel (316L / 1.4404); PEEK; PEI; FKM
Weight [kg]	0.216

Displays / operating elements	
Display	Switching status LEDs yellow operating status LEDs green

Electrical connection	
Connection	M12 connector; gold-plated contacts

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	
Pack quantity [piece]	1