

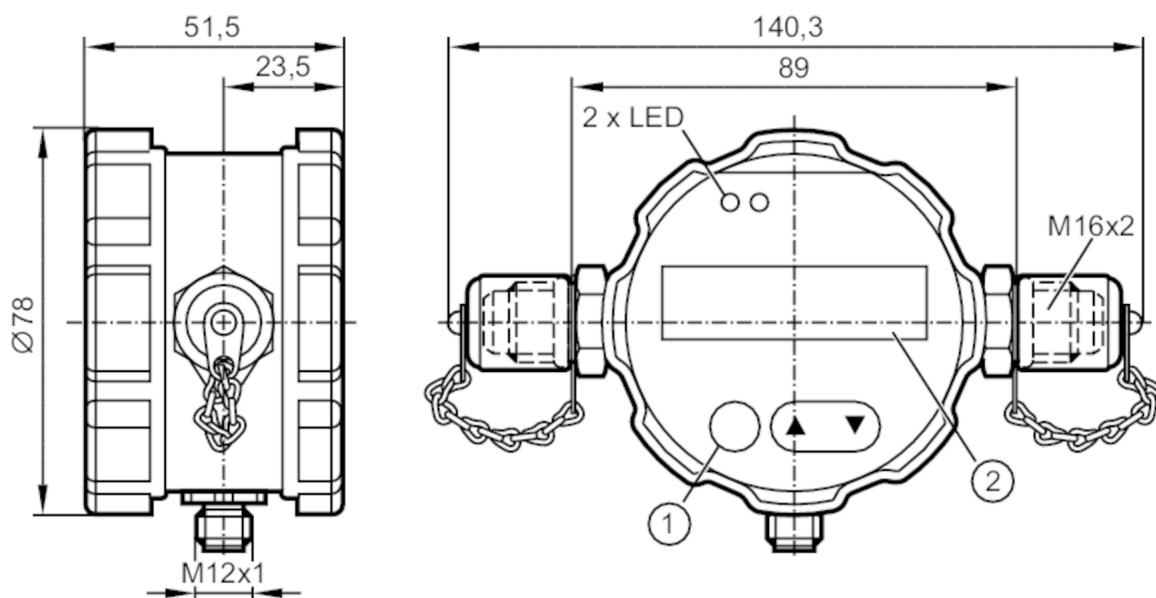
LDP100



Optical oil particle monitor

OIL PARTICLE MONITOR

For 8-pole sockets the core colours are not standardised.
Please note the wiring of the sensor and the sockets (see data sheet).
Please see the technical note under "Downloads"



- 1 programming buttons
- 2 Display



Product characteristics

Number of inputs and outputs	Number of digital outputs: 1; Number of analogue outputs: 1
Process connection	threaded connection M16 x 2 external thread Minimes

Application

Media	mineral oils (e.g. HLP); ester oils (e.g. HEES); biodegradable oils (e.g. HETG)
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Oil

Medium temperature	[°C]	-10...80
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Electrical data

Operating voltage	[V]	9...33 DC
Current consumption	[mA]	9...50
Protection class		III
Measuring principle		photoelectric

Inputs / outputs

Number of inputs and outputs	Number of digital outputs: 1; Number of analogue outputs: 1
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Outputs

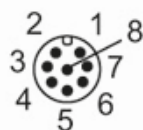
Total number of outputs	2
Number of digital outputs	1
Permanent current rating of switching output DC [mA]	500
Number of analogue outputs	1



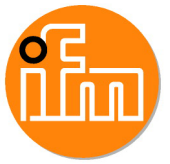
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Analogue current output	[mA]	4...20
Max. load	[Ω]	(U _b - 4 V) / 20 mA; U _b = 24 V: 1000
Short-circuit proof		no
Overload protection		no
Measuring/setting range		
Measuring range		10...22; (range number)
Display range		0...24; (range number)
Accuracy / deviations		
Accuracy		± 1; (range number)
Software / programming		
Parameter setting options		via buttons, PC or digital I/O
Interfaces		
Communication interface		CAN
Operating conditions		
Ambient temperature	[°C]	-10...60
Storage temperature	[°C]	-20...60
Protection		IP 67
Tests / approvals		
MTTF	[years]	129
Pressure Equipment Directive		article 3, paragraph (3) - Sound Engineering Practice
Mechanical data		
Weight	[g]	829
Materials (wetted parts)		stainless steel (1.4028 / 420); sapphire; NBR; chromium
Process connection		threaded connection M16 x 2 external thread Minimes
Displays / operating elements		
Display		1 LED, green Power
		1 LED, red Alarm
		LC display, displayed value conforms to the cleanliness level to ISO 4406:99 and SAE AS4059E
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Connector: 1 x M12; coding: A		



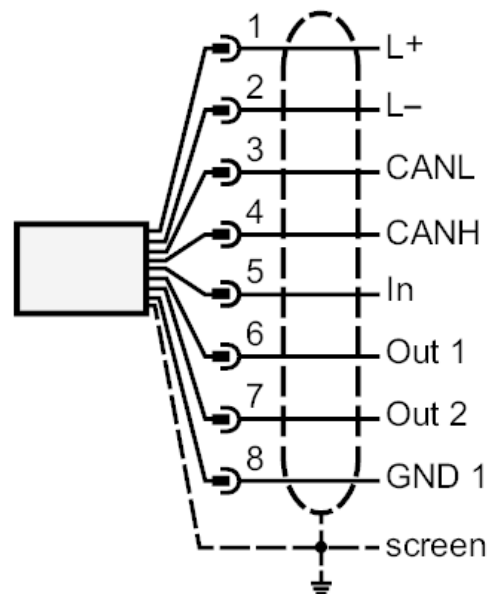
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Connection



CANL/CANH:	CAN
In:	switching input low level activates measuring cycle
Out 1:	analogue output
Out 2:	switching output
GND 1:	signal ground Out 1
L-/screen:	connected to the housing