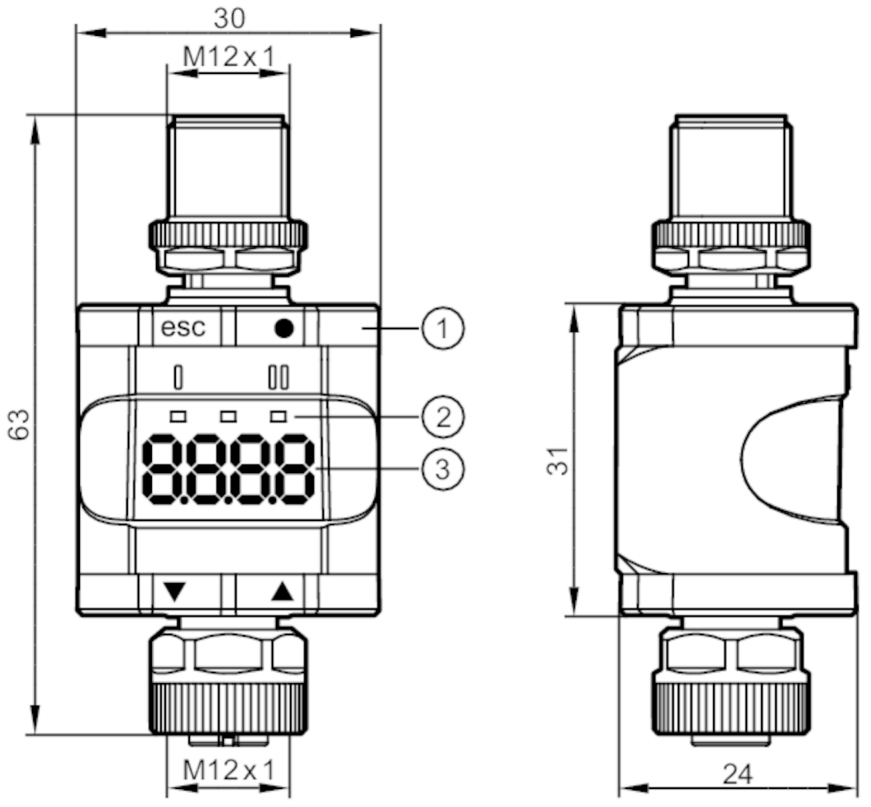
DP2200

Evaluation system and display for analogue signals

Analog Threshold Displ./4-20mA



1 push ring
2 LEDs
3 Display

Application		
Application		decentralised display, preprocessing and conversion of analogue signals
Electrical data		
Operating voltage	[V]	18...30 DC; (to SELV/PELV)
Nominal voltage DC	[V]	24
Current consumption	[mA]	30...830; (24 V DC, full load)
Inputs / outputs		
Number of inputs and outputs		Number of analogue inputs: 1; Number of digital outputs: 1
Inputs		
Sensor supply of the inputs		24 V DC
Number of analogue inputs		1
Analogue input (current)	[mA]	4...20
Outputs		
Number of digital outputs		1
Voltage range DC	[V]	10...30
Output function		normally open / normally closed; (parameterisable)
Max. current load per output	[mA]	50
Analogue current output	[mA]	4...20
Precision analogue output	[%]	0,5

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Resolution of analogue output		10 Bit	
Interfaces			
Communication interface		IO-Link	
Supported DeviceIDs		**Type of operation**	**DeviceID**
		default	610
IO-Link Device			
Transmission type		COM2 (38,4 kBaud)	
IO-Link revision		1.1	
SDCI standard		IEC 61131-9	
Profiles		Smart Sensor	
SIO mode		yes	
Required master port type		A	
Process data analogue		1	
Process data binary		1	
Min. process cycle time	[ms]	3	
Operating conditions			
Ambient temperature	[°C]	-25...60	
Note on ambient temperature		2000 m: -25...60 °C	
		3000 m: -25...52 °C	
		4000 m: -25...48 °C	
Storage temperature	[°C]	-25...70	
Max. relative air humidity	[%]	90; (linearly decreasing to 50 % (40 °C); non condensing)	
Max. height above sea level	[m]	2000	
Protection		IP 67	
Tests / approvals			
MTTF	[years]	373	
UL approval		File number UL	E205959
Mechanical data			
Weight	[g]	108	
Dimensions	[mm]	63 x 30 x 24	
Materials		PA	
Displays / operating elements			
Display		switching status	LED, yellow
		operation	LED, green
			7-segment LED display, red/green 4-digit parameterisable
			digit height 6,8 mm
			digit width 3,8 mm
Accessories			
Accessories (optional)		mounting clip	
Remarks			
Remarks		For further information please see the operating instructions.	
Pack quantity		1 pcs.	

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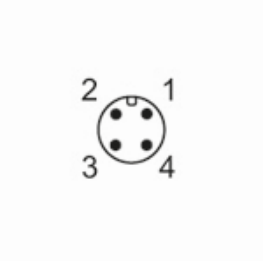
Electrical connection - plug

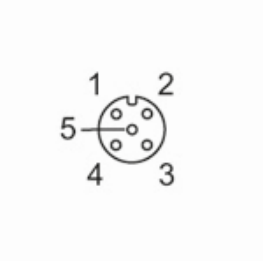
Connector: M12; coding: A



Connection	
1	L+ supply
2	OUT2 analogue output
3	L- supply
4	OUT1 IO-Link (C/Q)

Electrical connection - socket

Connector: M12; coding: A



Connection	
1	L+ Sensor supply
2	4...20 mA analogue input
3	L- Sensor supply
4	not used
5	not used