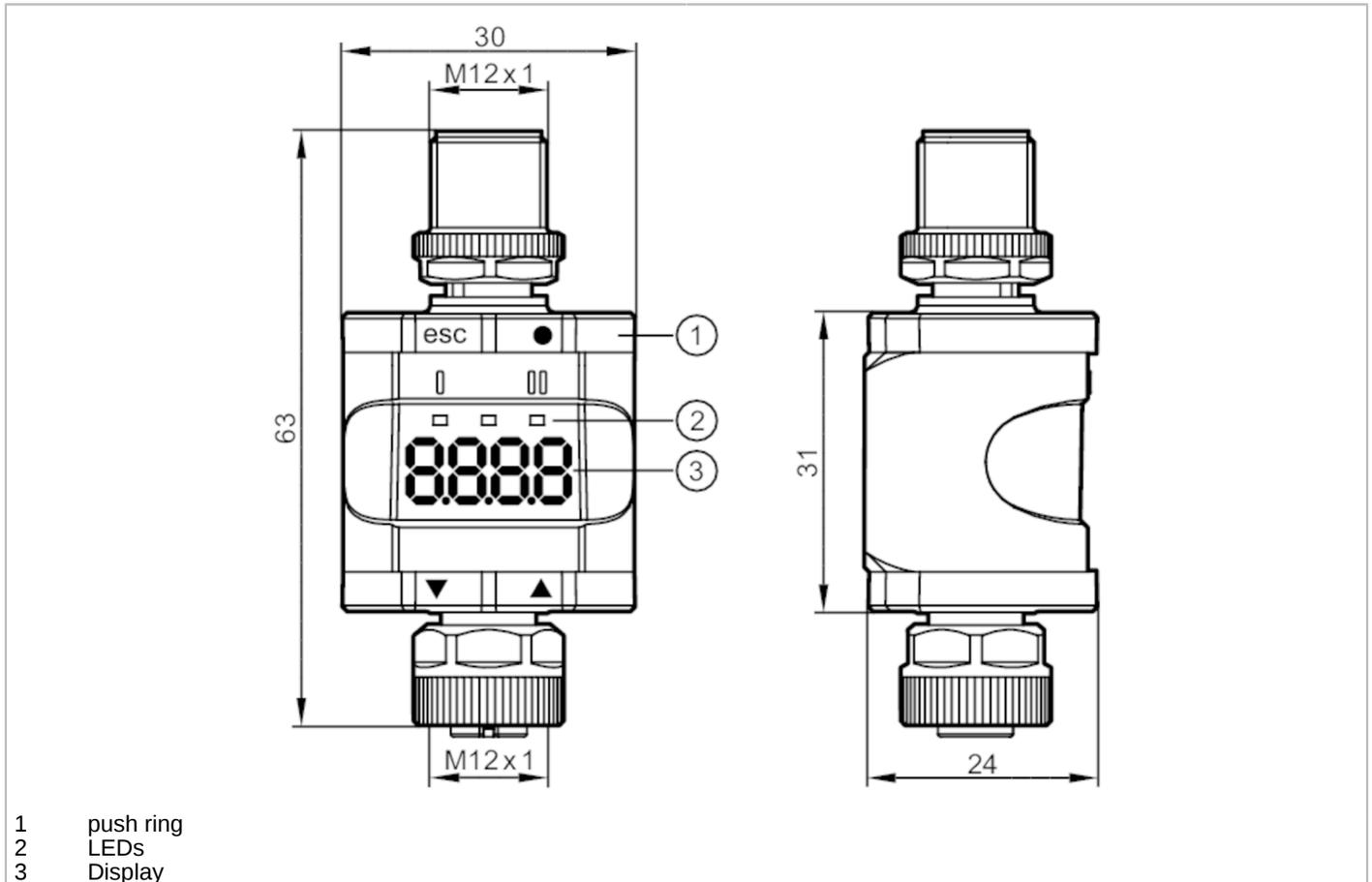# DP2122

Speed monitor IO-Link - 0...2000 Hz

Monitoring Display-Speed

1 push ring
2 LEDs
3 Display

Product characteristics	
Number of inputs and outputs	Number of digital inputs: 1; Number of digital outputs: 2
Communication interface	IO-Link

DP2122_FREQ / CMPT = 1		
Measuring range	[Hz]	0.1...2000

DP2122_REVL / CMPT = 2		
Measuring range	[U/min]	1...120000

Electrical data		
Operating voltage	[V]	18...30 DC; (to SELV/PELV)
Nominal voltage DC	[V]	24
Current consumption	[mA]	< 380
Max. current load total	[A]	0.2

Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 1; Number of digital outputs: 2

Inputs		
Number of digital inputs		1; (IEC61131-2)
Input current limitation	[mA]	200

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Outputs	
Electrical design	PNP/NPN
Number of digital outputs	2
Output function	normally open / normally closed; (parameterisable)
Short-circuit proof	yes

Measuring/setting range		
DP2122_FREQ / CMPT = 1		
Measuring range	[Hz]	0.1...2000
DP2122_REVL / CMPT = 2		
Measuring range	[U/min]	1...120000

Accuracy / deviations		
Hysteresis	[%]	0.5...100

Interfaces	
Communication interface	IO-Link
Transmission type	COM2 (38,4 kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9
Profiles	Smart Sensor: Measuring Sensor (High resolution, Disable function); Identification and Diagnosis; Switching Signal Channel; Adjustable Switching Signal Channel
SIO mode	yes
Required master port type	A
Process data binary	1
Min. process cycle time [ms]	4.3

Supported DeviceIDs	
Type of operation	**DeviceID**
FREQ / CMPT = 1	1167
REVL / CMPT = 2	1294

Operating conditions		
Ambient temperature	[°C]	-25...60
Note on ambient temperature		2000 m: -25...60 °C
		3000 m: -25...53 °C
		4000 m: -25...51 °C
Storage temperature	[°C]	-25...60
Max. relative air humidity	[%]	90; (linearly decreasing to 50 % (40 °C) non condensing)
Max. height above sea level	[m]	4000
Protection		IP 67
Pollution degree		2

Tests / approvals		
MTTF	[years]	317

Mechanical data		
Weight	[g]	83.8
Weight (without accessories and packaging)	[g]	35
Housing		rectangular
Dimensions	[mm]	63 x 30 x 24

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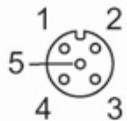| Materials	housing: PA	
Displays / operating elements		
Display	operation	1 x LED, green
		7-segment LED display, green/red configurable
Operating elements	2	push ring
Accessories		
Accessories (optional)	mounting clip	
Remarks		
Remarks	For further information please see the operating instructions.	
Pack quantity	1 pcs.	

Electrical connection - plug

1: L+   supply voltage
2: OUT2   digital output 2
3: L-   supply voltage
4: OUT1   IO-Link C/Q

Electrical connection - socket

1: L+
2:             Enable input
3: L-
4:             digital input 1
5:             not used