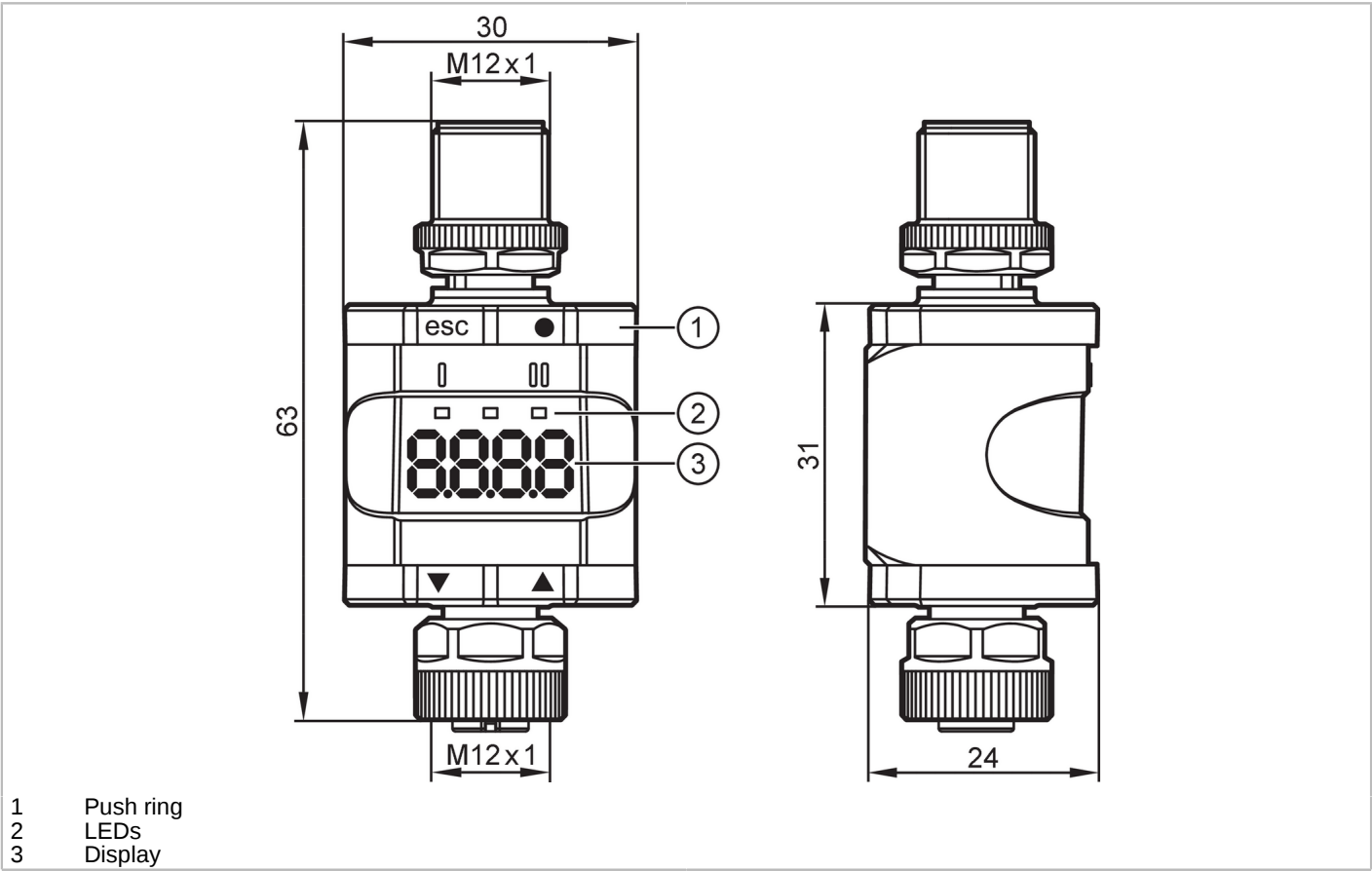


DP2122



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

Monitoring Display-Speed



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
Outputs	
Electrical design	PNP/NPN



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

Monitoring Display-Speed

Number of digital outputs	2	
Output function	normally open / closed; (configurable)	
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 - SSP 3.4	Measuring Sensor, high resolution, sensor control function
	Common - I&D	Identification and Diagnosis
	Function	Multiple switching signal
	Function	Adjustable switching signal
SIO mode	yes	
Required master port class	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
UL approval	Ta	max. 55 °C
	File number UL	E205959
Mechanical data		
Weight	[g]	83.8
Weight (without accessories and packaging)	[g]	35

DP2122



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

Monitoring Display-Speed

Housing	rectangular
Dimensions [mm]	63 x 30 x 24
Material	housing: PA

Displays / operating elements

Display	Power	1 x LED, green 7-segment LED display, green/red configurable
Operating elements	2	Push ring

Accessories

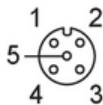
Accessories (optional)	mounting clip
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Remarks

Remarks	Further information is available in the manual. the device complies with overvoltage category II
Pack quantity	1 pcs.

Electrical connection - Socket

Connector: 1 x M12; coding: A; Contacts: 4



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

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4



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