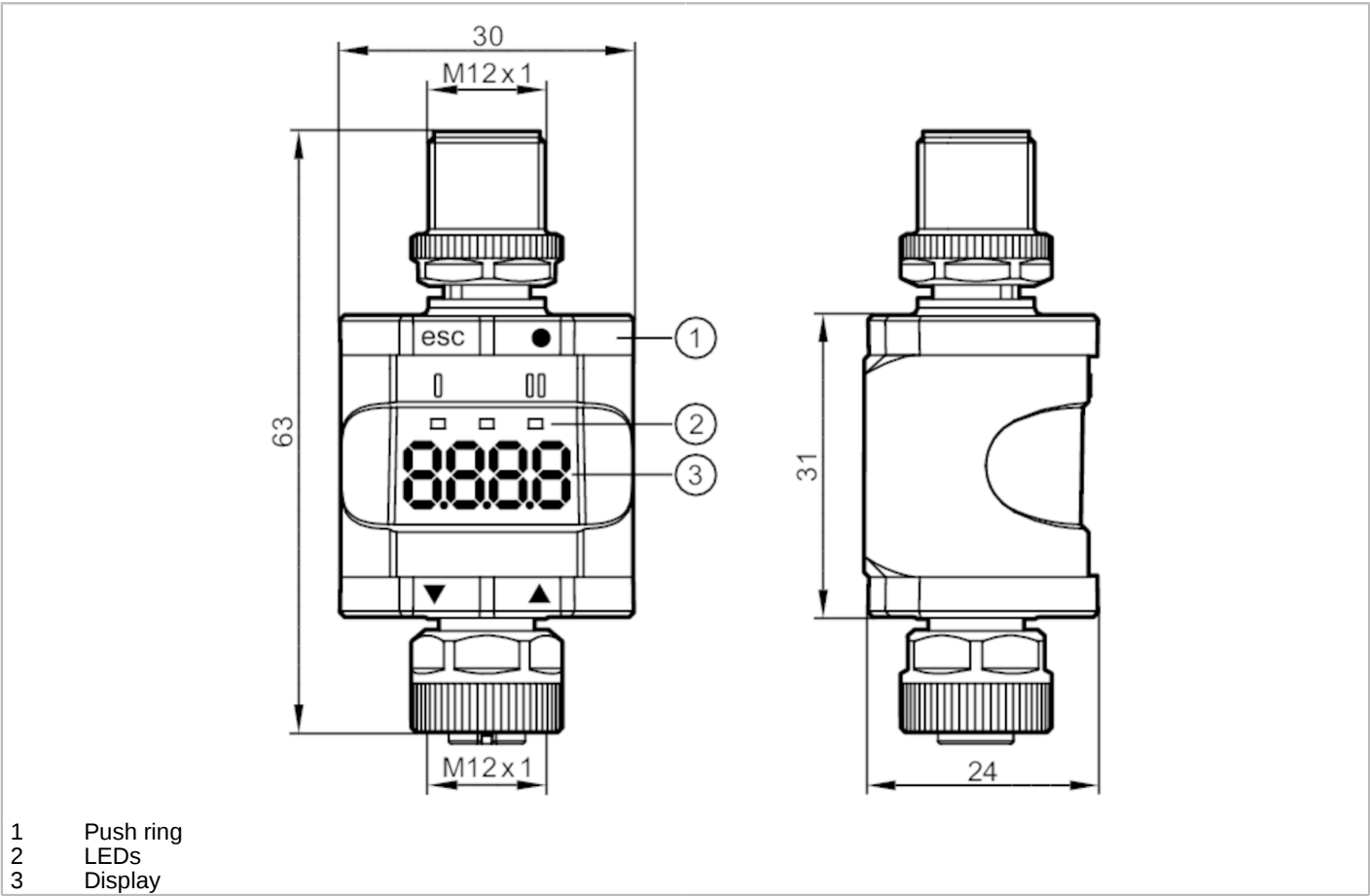


DP2122



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



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

Monitoring Display-Speed

Outputs		
Electrical design	PNP/NPN	
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: Measuring Sensor (High resolution, Disable function); Identification and Diagnosis; Switching Signal Channel; Adjustable Switching Signal Channel	
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	
Degree of soiling	2	
Tests / approvals		
MTTF	[years]	317
Mechanical data		
Weight	[g]	83.8
Weight (without accessories and packaging)	[g]	35
Dimensions	[mm]	63 x 30 x 24
Material	housing: PA	

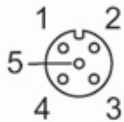
DP2122



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

Monitoring Display-Speed

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	
Remarks		
Remarks	Further information is available in the manual.	
Pack quantity	1 pcs.	
Electrical connection - Socket		



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

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