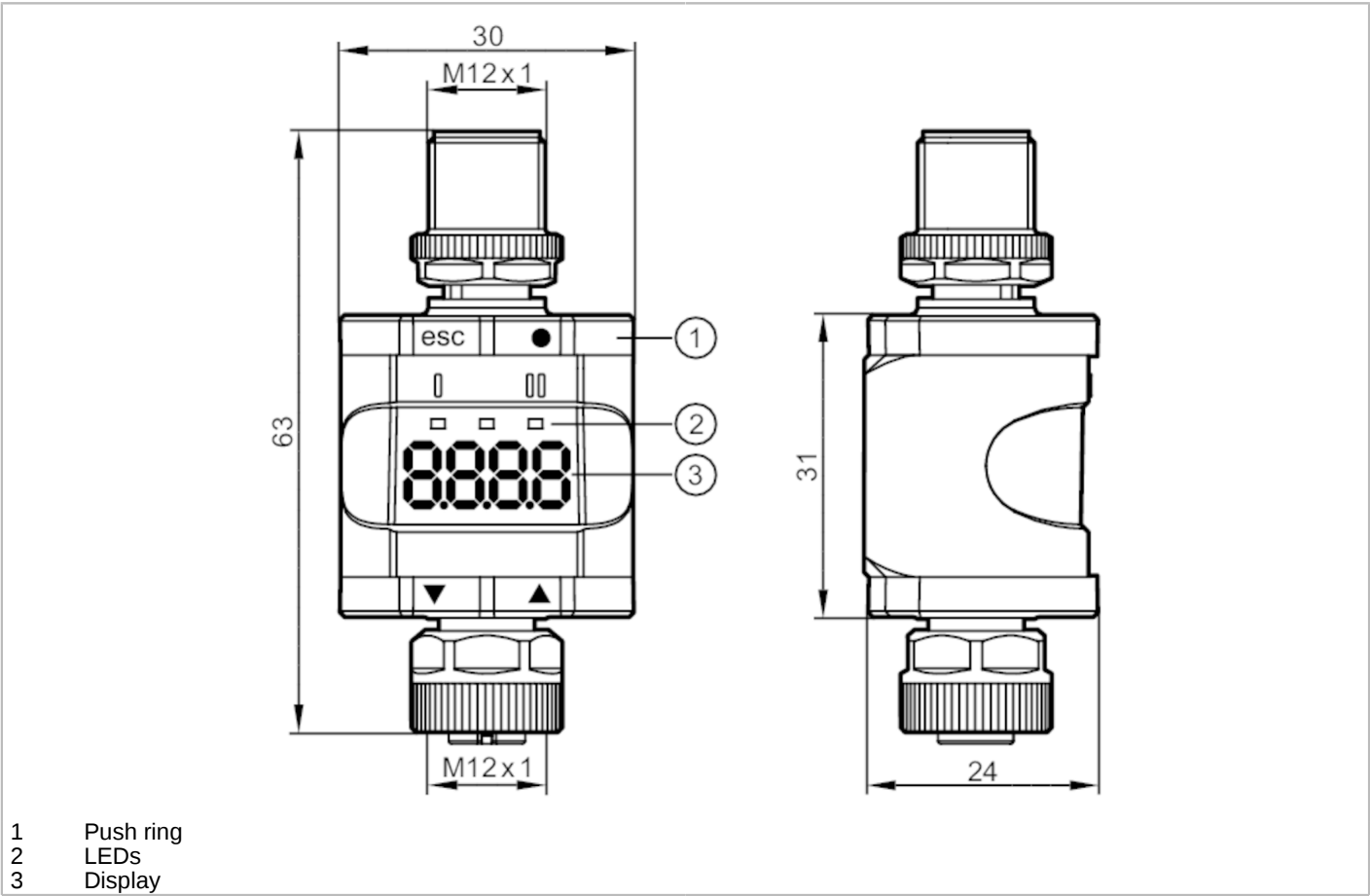


DP2302



Electronic counter

Monitoring Display-Counter



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open / closed; (configurable)
Communication interface		IO-Link
Housing		rectangular
Dimensions	[mm]	63 x 30 x 24
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: 2; Number of digital outputs: 2
Inputs		
Number of digital inputs		2; (Counting input: 1; Counting direction/Latch: 1; IEC61131-2)
Input current limitation	[mA]	200
Outputs		
Electrical design		PNP/NPN
Number of digital outputs		2



Electronic counter

Monitoring Display-Counter

Output function	normally open / closed; (configurable)	
Short-circuit proof	yes	
Measuring/setting range		
Sampling rate	[Hz]	< 2000
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]	6.1
Supported DeviceIDs	Type of operation	DeviceID
	default	1169
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
UL approval	Ta	max. 55 °C
	File number UL	E205959
Mechanical data		
Weight	[g]	84.2
Weight (without accessories and packaging)	[g]	35
Housing	rectangular	
Dimensions	[mm]	63 x 30 x 24
Material	housing: PA	
Displays / operating elements		
Display	Power	1 x LED, green
	Switching output	2 x LED, yellow
		7-segment LED display, red/green configurable

DP2302



Electronic counter

Monitoring Display-Counter

Operating elements	2	Push ring
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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



1: L+	
2: IN 2	Counting direction / Latch
3: L-	
4: IN 1	Counting input
5:	not used

Electrical connection - plug



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

Other data

main counter	0...1000000 cnt
batch counter:	0...9999 bcnt