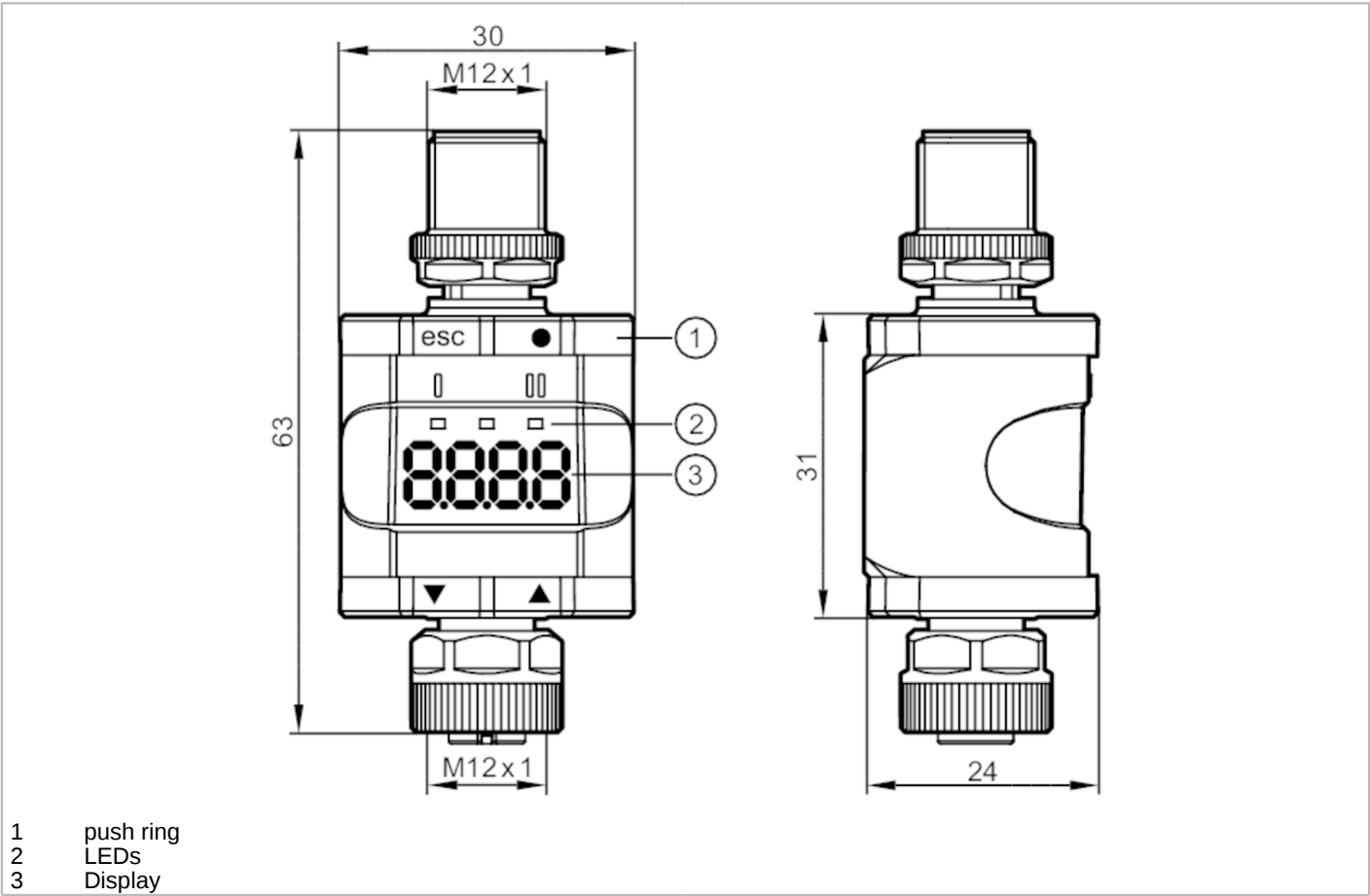


DP2302



Electronic counter

Monitoring Display-Counter



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open / normally closed; (parameterisable)
Communication interface	IO-Link
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
Output function	normally open / normally closed; (parameterisable)



Electronic counter

Monitoring Display-Counter

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: 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]	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	
Pollution degree		2	
Tests / approvals			
MTTF		[years]	317
Mechanical data			
Weight		[g]	84.2
Weight (without accessories and packaging)		[g]	35
Dimensions		[mm]	63 x 30 x 24
Materials		housing: PA	
Displays / operating elements			
Display		operation	1 x LED, green
		switching output	2 x LED, yellow
		7-segment LED display, red/green 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.	



Electronic counter

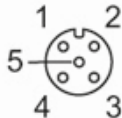
Monitoring Display-Counter

Electrical connection - plug



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

Electrical connection - socket



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

Other data

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