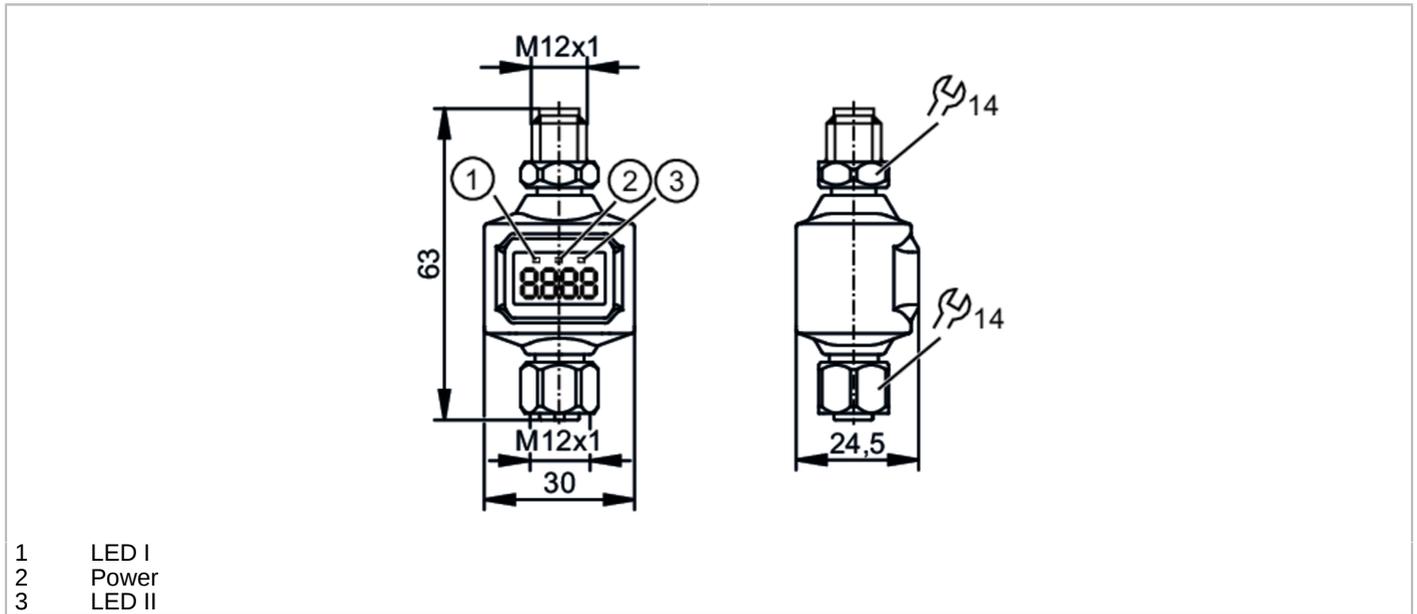


DP4302



Counter

MONITORING DISP-COUNT/IP69K



- 1 LED I
- 2 Power
- 3 LED II



Product characteristics	
Electrical design	PNP/NPN
Output function	normally open / closed; (configurable)
Communication interface	IO-Link
Housing	rectangular
Dimensions [mm]	63 x 30 x 24.5
Application	
Application	decentralized display; decentralized evaluation unit for pulse counting; for use in wet environments; indoor use
Electrical data	
Operating voltage [V]	18...30 DC; ((in wet environments: 18...28 V) 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; (Zähleingang: 1; Zählrichtung/Latch: 1; IEC61131-2)
Input current limitation [mA]	200
Outputs	
Electrical design	PNP/NPN
Number of digital outputs	2
Output function	normally open / closed; (configurable)
Short-circuit proof	yes
Measuring/setting range	
Sampling rate [Hz]	< 2000

DP4302



Counter

MONITORING DISP-COUNT/IP69K

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...70	
Max. relative air humidity [%]	90; (linearly decreasing to 50 % (40 °C) non condensing)	
Max. height above sea level [m]	4000	
Protection	IP 67; IP 69K	
Degree of soiling	2	
Chemical media	DIN EN ISO 175, Ecolab test method 40-1	
	the following media were tested for 28 days at constant room temperature using the dipping test method	P3-topax 66
		P3-topax 990
		Topactive 200
		Topactive 500
	Topactive OKTO	
Tests / approvals		
MTTF [years]	317	
UL approval	Ta	max. 55 °C
	File number UL	E205959
Mechanical data		
Weight [g]	77.3	
Weight (without accessories and packaging) [g]	28	
Housing	rectangular	
Dimensions [mm]	63 x 30 x 24.5	
Material	housing: PA	
Material nut	stainless steel (1.4404 / 316L)	
Sealing material	FKM	

DP4302



Counter

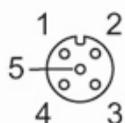
MONITORING DISP-COUNT/IP69K

Displays / operating elements		
Display	Power	1 x LED, green
	Switching output	2 x LED, yellow
		7-segment LED display, red/green configurable

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, straight; coding: A; Locking: stainless steel (1.4404 / 316L); sealing: FKM



- 1: L+
- 2: IN 2 DI2 Counting direction / Latch
- 3: L-
- 4: IN 1 DI1 Counting input
- 5: not used

Electrical connection - plug

Connector: 1 x M12, straight; coding: A; Locking: stainless steel (1.4404 / 316L)



- 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