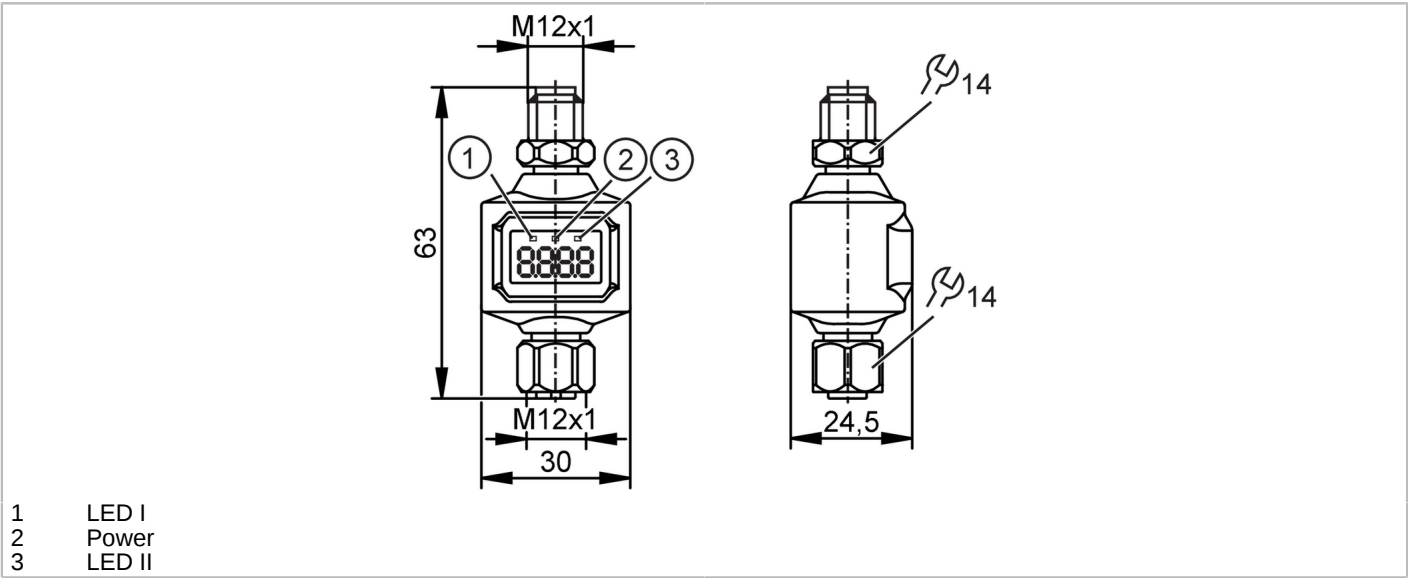




Counter

MONITORING DISP-COUNT/IP69K



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



Counter

MONITORING DISP-COUNT/IP69K

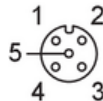
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Smart Sensor - SSP 3.4	Measuring Sensor, high resolution, sensor control function
	Common - I&D	Identification and Diagnosis
	Function	Multiple switching signal
	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	
Pollution degree	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; Contacts: 4; 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; Contacts: 4; 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	