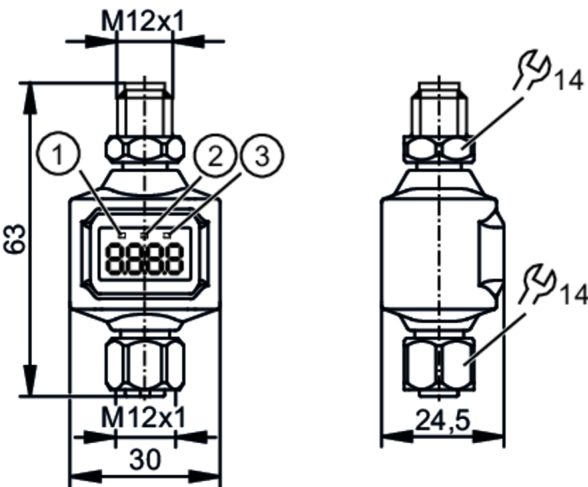




Counter

MONITORING DISP-COUNT/IP69K



- 1 LED I
- 2 Power
- 3 LED II



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open / normally closed; (parameterisable)
Communication interface		IO-Link
Dimensions	[mm]	63 x 30 x 24.5
Application		
Application		decentralised display; decentralised 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 / normally closed; (parameterisable)
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: 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...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	
Mechanical data		
Weight [g]	77.3	
Weight (without accessories and packaging) [g]	28	
Dimensions [mm]	63 x 30 x 24.5	
Materials	housing: PA	
Material nut	stainless steel (316L/1.4404)	
Sealing material	FKM	
Displays / operating elements		
Display	operation	1 x LED, green
	switching output	2 x LED, yellow
		7-segment LED display, red/green configurable

DP4302



Counter

MONITORING DISP-COUNT/IP69K

Remarks	
Remarks	For further information please see the operating instructions.
Pack quantity	1 pcs.

Electrical connection - plug

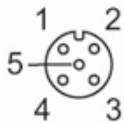
Connector: 1 x M12, straight; coding: A; Locking: stainless steel (316L/1.4404)



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

Electrical connection - socket

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



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

Other data

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