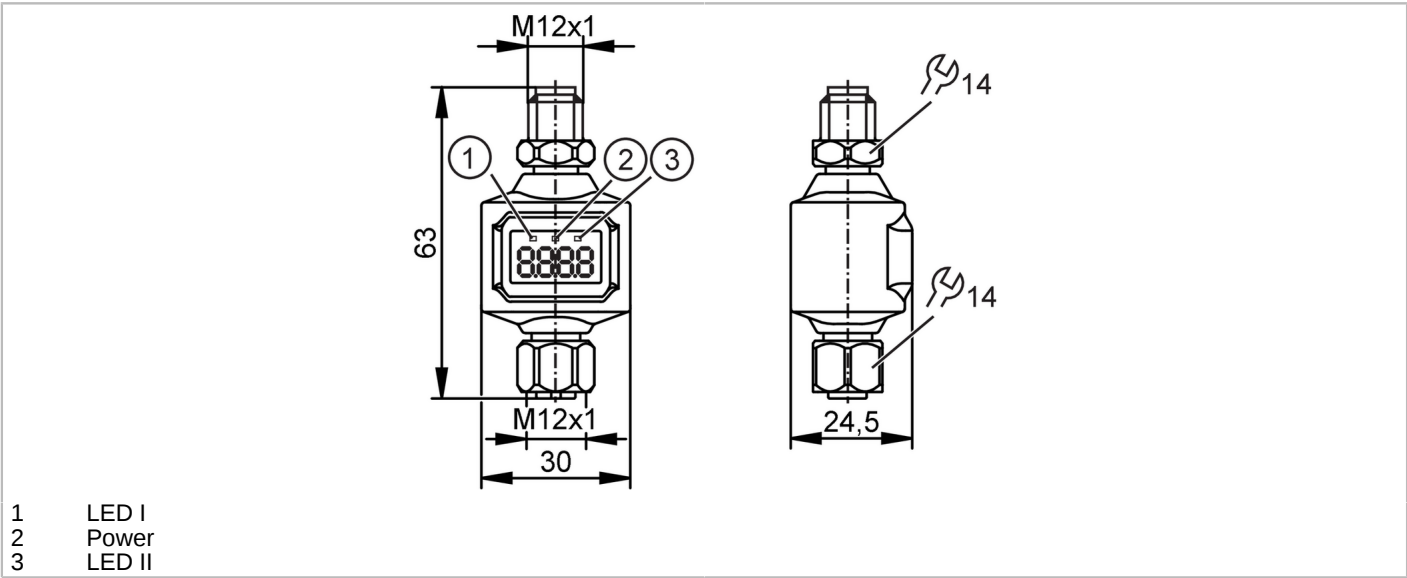


DP4402



Pulse stretcher

PULSE EXTENDER/IP69K



Product characteristics		
Electrical design		PNP
Output function		normally open / closed; (configurable)
Communication interface		IO-Link
Dimensions	[mm]	63 x 30 x 24.5
Application		
Application		configurable switch-on and switch-off delay for switching signals; 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; (IEC61131-2)
Input current limitation	[mA]	200
Outputs		
Electrical design		PNP
Number of digital outputs		2
Output function		normally open / closed; (configurable)
Short-circuit proof		yes
Measuring/setting range		
Sampling rate	[Hz]	< 2000
Interfaces		
Communication interface		IO-Link

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Usage type	Parameter setting	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI standard	IEC 61131-9	
Profiles	Common - I&D	Identification and Diagnosis
SIO mode	yes	
Required master port class	A	
Process data binary	2	
Min. process cycle time [ms]	2	
Supported DeviceIDs	Type of operation	DeviceID
	default	1168

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]	77.2	
Weight (without accessories and packaging) [g]	28	
Dimensions [mm]	63 x 30 x 24.5	
Material	housing: PA	
Material nut	stainless steel (1.4404 / 316L)	
Sealing material	FKM	

Displays / operating elements

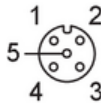
Display	Power	1 x LED, green
	Switching output	2 x LED, yellow
		7-segment LED display, red

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Pulse stretcher

PULSE EXTENDER/IP69K

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: IN2	DI2
3: L-	
4: IN1	DI1
5:	n.c.
Electrical connection - plug	
Connector: 1 x M12, straight; coding: A; Contacts: 4; Locking: stainless steel (1.4404 / 316L)	
	
1: L+	supply voltage
2: OUT2	DO2
3: L-	supply voltage
4: OUT1	IO-Link / DO1
Other data	
switch-on/switch-off delay	0...9999 ms