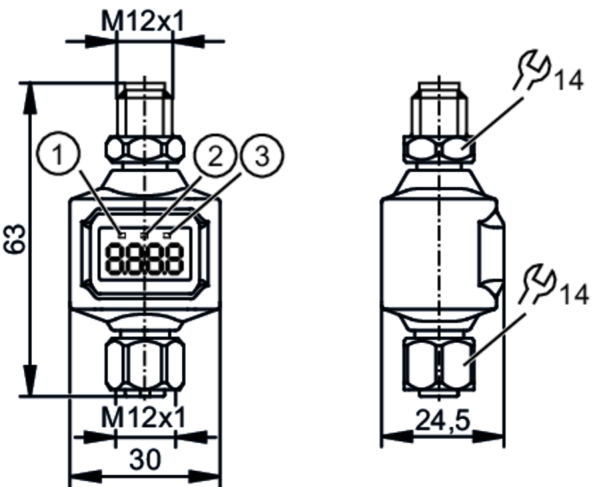


DP4122



Speed monitor IO-Link - 0...2000 Hz

MONITORING DISP-SPEED/IP69K



- 1 LED I
- 2 Power
- 3 LED II



Product characteristics	
Number of inputs and outputs	Number of digital inputs: 1; Number of digital outputs: 2
Communication interface	IO-Link
DP4122_FREQ / CMPT = 1	
Measuring range [Hz]	0.1...2000
DP4122_REVL / CMPT = 2	
Measuring range [U/min]	1...120000
Application	
Application	decentralized evaluation unit for speed monitoring and display; 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: 1; Number of digital outputs: 2
Inputs	
Number of digital inputs	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

DP4122



Speed monitor IO-Link - 0...2000 Hz

MONITORING DISP-SPEED/IP69K

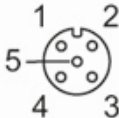
Measuring/setting range		
DP4122_FREQ / CMPT = 1		
Measuring range	[Hz]	0.1...2000
DP4122_REVL / CMPT = 2		
Measuring range	[U/min]	1...120000
Accuracy / deviations		
Hysteresis	[%]	0.5...100
Interfaces		
Communication interface	IO-Link	
Transmission type	COM2 (38,4 kBaud)	
IO-Link revision	1.1	
SDCI 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]	4.3
Supported DeviceIDs	Type of operation	DeviceID
	FREQ / CMPT = 1	1167
	REVL / CMPT = 2	1294
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

DP4122



Speed monitor IO-Link - 0...2000 Hz

MONITORING DISP-SPEED/IP69K

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
Displays / operating elements		
Display	Power	1 x LED, green
	Switching output	2 x LED, yellow
		7-segment LED display, green/red 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:	Enable Input	
3: L-		
4:	Digital input 1	
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 C/Q	