UF200.DA0-UAMJ.72CU

Article number: 11708340

Overview

- Best measuring performance due to precise measuring principle
- Parallel output signal to the IO-Link channel through Dual Channel
- Flexible parameterization and additional diagnostic data thanks to IO-
- Shortest blind zone in its class
- High performance in compact housing



Picture similar







General data		Communi
Scanning range Sd	20 1000 mm	Baud rate
Scanning range close limit Sdc	20 1000 mm	Cycle time
Scanning range far limit Sde	20 1000 mm	Process d
Version	IO-Link dual channel	
Hysteresis typ.	4 % Sde	
Repeat accuracy	0.5 mm	
Resolution	< 0.3 mm	
Response time ton/toff standard	< 60 ms	IO-Link po
Response time ton/toff min	< 24 ms	Additional
Temperature drift	< 2 % of distance to target Sde	
Power-up drift	Compensated after 15 min.	
Sonic frequency	220 kHz	
Adjustment	qTeach, line-Teach, IO-Link	
Light indicator	LED yellow	
Power on indication	LED green	Adjustable
Alignment measuring axis	< 2°	
Electrical data		
Voltage supply range +Vs	12 30 VDC	
Current consumption typ.	12 mA	
Output circuit	Voltage output	
Output signal	0 10 V / 10 0 V	
Load resistance	> 10 kOhm	
Residual ripple	< 10 % Vs	
Short circuit protection	Yes	
Reverse polarity protection	Yes, Vs to GND	Mechanic
Communication interface		Design
Interface	IO-Link V1.1	Housing m

Communication interface	
Baud rate	38,4 kBaud (COM 2)
Cycle time	≥ 12 ms
Process data length	48 Bit
Process data structure	Bit 0 = SSC1 (distance) Bit 1 = SSC2 (distance) Bit 2 = quality Bit 3 = alarm Bit 5 = SSC4 (counter) Bit 8-15 = scale factor Bit 16-47 = 32 Bit measurement
IO-Link port type	Class A
Additional data	Distance Excess gain Operating cycles Operating hours Boot cycles Operating voltage Device temperature Histograms
Adjustable parameters	Switching point Switching hysteresis Measured value filtering Time filters LED status indicators Output logic Output circuit Counter Beam forming Analog output characteristic Deactivate the sensor element Find Me function
Mechanical data	
Design	Rectangular
Housing material	Plastic (ASA, PMMA)



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Technical data	
Mechanical data	
Width / diameter	20.5 mm
Height / length	41 mm
Depth	15 mm
Connection types	Cable 4 pin, 2 m

Ambient conditions	
Operating temperature	-25 +65 °C
Storage temperature	-25 +75 °C
Protection class	IP 67

Dimension drawing 20.5 Teach Verzinnt P 15 Teach 15 Teach 11.8

 $\begin{tabular}{ll} \textbf{object distance (So) from sensor front (mm)} \\ \textbf{standard target with } 100 \times 100 \ mm, directed rectangular to sensor's reference axis \\ \end{tabular}$

Connection diagram

