

overview

- 20 ... 1000 mm
- current output
- qTeach, line-Teach, IO-Link
- connector M12 5 pin
- -25 ... 65 °C
- IP 67



Technical data

general data

scanning range Sd	20 ... 1000 mm
scanning range close limit Sdc	20 ... 1000 mm
scanning range far limit Sde	20 ... 1000 mm
version	IO-Link dual channel
hysteresis typ.	4 % Sde
repeat accuracy	< 0,5 mm
resolution	< 0,3 mm
response time ton	< 40 ms
release time toff	< 40 ms
temperature drift	< 2 % of distance to target So
power-up drift	compensated after 15 min.
sonic frequency	200 kHz
adjustment	qTeach, line-Teach, IO-Link
light indicator	LED yellow
power on indication	LED green
alignment measuring axis	< 2°

electrical data

voltage supply range +Vs	12 ... 30 VDC
current consumption typ.	35 mA
output circuit	current output
output signal	4 ... 20 mA / 20 ... 4 mA
output current	< 100 mA
voltage drop Vd	< 3,5 VDC
residual ripple	< 10 % Vs
short circuit protection	yes

electrical data

reverse polarity protection yes, Vs to GND

communications interface

interface	IO-Link V1.1
baud rate	38,4 kBaud (COM 2)
cycle time	≥ 12 ms
process data length	32 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

