Baumer Passion for Sensors

Ultrasonic distance measuring sensors

U500.DA0.2-IA1B.72F

Article number: 11200630

overview

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



CE	
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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
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
alignment aid	light indicator flashing
light indicator	LED yellow
nower on indication	
power on indication	LED green
alignment measuring axis	LED green < 2°
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electrical data	
current consumption typ.	35 mA
output circuit	current output
output signal	4 20 mA / 20 4 mA
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes, Vs to GND
mechanical data	
type	rectangular
housing material	plastic (ASA, PMMA)
coating active face	PEEK
width / diameter	18 mm
height / length	45 mm
depth	32 mm
connection types	connector M12 5 pin
ambient conditions	
operating temperature	-25 +65 °C
storage temperature	-40 +75 °C
protection class	IP 67



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connection diagram

	BN (1)	-oo+Vs
Analog	BK (4)	o Teach-in <u>₂-</u> ,o analog
, indiog	BU (3)	
	GY (5)	0 n.c.





typical sonic cone profile



2020-03-26 The product features and technical data specified do not express or imply any warranty. Technical modifications subject to change.