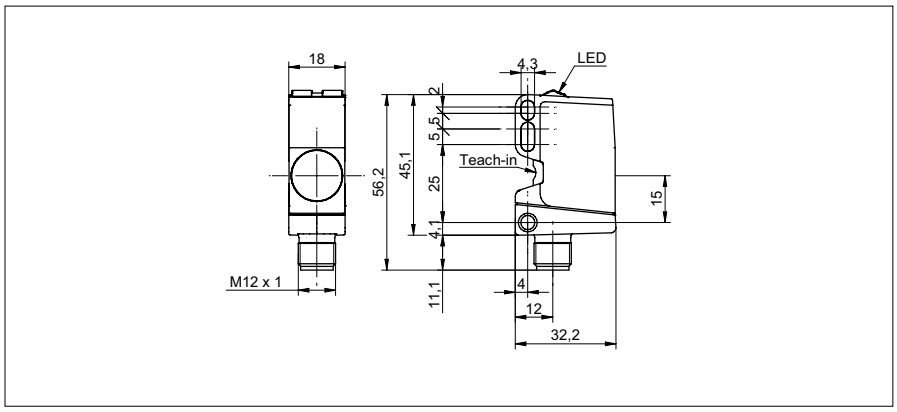
Ultrasonic distance measuring sensors

U500.DA0-11110575

dimension drawing



general data	
scanning range sd	100 ... 1000 mm
scanning range close limit Sdc	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
repeat accuracy	< 0,5 mm
resolution	< 0,3 mm
response time ton	< 80 ms
release time toff	< 80 ms
temperature drift	< 2 % of distance to target So
power-up drift	compensated after 15 min.
sonic frequency	220 kHz
adjustment	qTeach
alignment aid	light indicator flashing
light indicator	LED yellow
power on indication	LED green
alignment measuring axis	< 2°

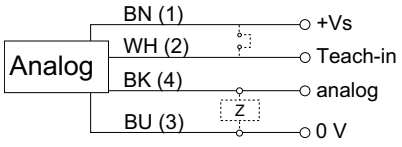
electrical data	
voltage supply range +Vs	12 ... 30 VDC
current consumption typ.	38 mA
output circuit	voltage - / current output
output signal	4 ... 20 mA / 0 ... 10 VDC
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes, Vs to GND

mechanical data	
type	rectangular
housing material	plastic (ASA, PMMA)
width / diameter	18 mm
height / length	45 mm
depth	32 mm
connection types	connector M12

photo



connection diagram



- The sensor recognizes automatically whether it should deliver a current or a voltage output.

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ambient conditions	
operating temperature	-25 ... +65 °C (+60 °C current mode)
storage temperature	-40 ... +75 °C
protection class	IP 67