



Model Number

UCC2500-50K-B26-0,60M-Y292772

Single head system

Features

- 8 bit output
- Physical LIN interface

Technical data

General specifications

Sensing range	250 ... 2500 mm
Dead band	0 ... 250 mm
Standard target plate	100 mm x 100 mm
Transducer frequency	approx. 75 kHz
Response delay	static 4: ≤ 280 ms (factory setting) static 1: ≤ 70 ms dynamic; ≤ 100 ms

Electrical specifications

Operating voltage U_B	8 ... 18 V DC, ripple 10 % _{SS}
No-load supply current I_0	≤ 20 mA

Interface

Interface type	Physical LIN interface
Transfer rate	19.2 kBit/s (8N1)
Cycle time	100 ms

Output

Resolution	16 mm, (corresponding to 1 LSB)
Repeat accuracy	16 mm, (corresponding to 1 LSB)
Temperature influence	0.17 % / K

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

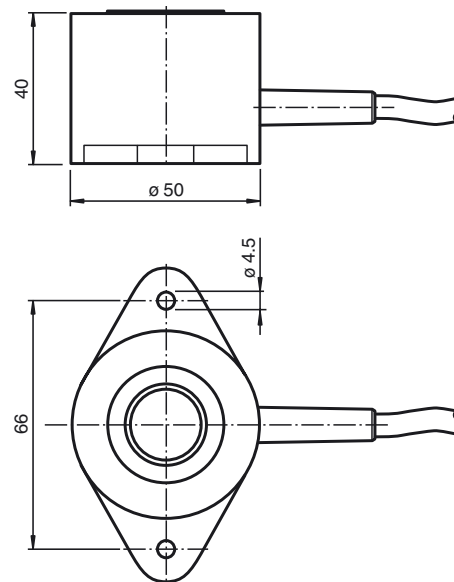
Mechanical specifications

Connection type	cable black PVC, L = 600 mm
Degree of protection	IP67
Material	
Housing	PBT
Transducer	epoxy resin/hollow glass sphere mixture; polyurethane foam
Mass	110 g

Compliance with standards and directives

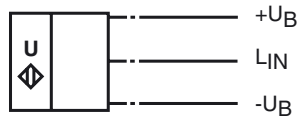
Standard conformity	
Standards	EN 60947-5-2:2007+A1:2012 IEC 60947-5-2:2007 + A1:2012

Dimensions



Electrical Connection

Standard symbol/Connection:



Legend:

+U_B = brown
L_{IN} = black
-U_B = blue

Description of Sensor Functions

The distance measurement is carried out over the runtime of the ultrasonic impulse. A measuring cycle is triggered by sending a start telegram. Once the measurement has been taken, the result is returned in 8-bit form.