SMART DISTANCE SENSOR

DSS 015 | 01500.2-00



The compact smart distance sensor uses ultrasonic waves and the principle of time-of-flight (ToF) measurement to determine the distance to objects. It is suitable for numerous application areas in the fields of distance and level monitoring. In contrast to other distance measurement methods (measurement principle e.g. laser), the DSS 015 recognises even transparent objects such as glass, film and liquids and is insensitive to changing light conditions. Connection to higher-level control systems (e.g. PLC) is very easy via the IO-Link interface.

- Digital IO-Link interface
- Small dimensions
- Versatile screw mounting
- Quick connection with M12 plug connector
- High accuracy
- Large distance measuring range

OVERVIEW TECHNICAL DATA

Device type	IO-Link products
Measurement signal	Distance
Electrical protection	Reverse polarity protection, short-circuit proof, overvoltage protection
Protection class	III
Protection type	IP40
Casing	Plastic to UL94 V-0, light grey
AC/DC	DC
Operating voltage	24 V
Power consumption	0,6 W
Measurement range	0,3 m - 4 m
Measurement range tolerance	± 2 %
Operating temperature	-25 °C - 70 °C
Operating humidity	≤90 % RH
Storage humidity	≤90 % RH
Storage temperature	-40 °C - 85 °C
Connection	M12 round plug, IEC 61076-2-101, 4-pin, A-coded, shielded
Design	IO-Link (Version 1.1)
Mounting	M4 or M3 screw fixing
Height	98 mm
Width	35 mm
Depth	27 mm
Weight	40 g

Note	Measurement resolution 1 mm;Measuring frequency 10 Hz;Aligned perpendicular to the object to be measured

TECHNICAL DRAWINGS





