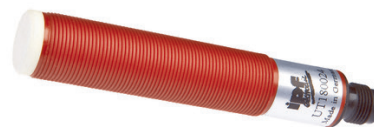


UT180024
ULTRASONIC SENSORS • DISTANCE MEASUREMENT

sensor ultrasonic, diffuse-reflection sensor, M18x1 104long, Sn: 200-1500, 18-30V DC, 4-20mA, Connector M12 4pin, IP67, Plastic, ultrasonic cone 8° Axial, Synchronization possible


MECHANICAL FEATURES

Ambient temperature	-15 °C ... 70 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Diameter detection	+
Housing material	Plastic
Housing material, detail	Plastic
Sensor length	104 mm
Thread length	65 mm
Thread pitch	1 mm
Thread size, metric	18

ELECTRICAL FEATURES

Adjustable measuring range	+
Carrier frequency	180 kHz
Distance measuring sensors	+
Filling level measurement	+
Measuring range length	200 mm ... 1500 mm
No-load current	35 mA
Number of pins	4
Relative repeat accuracy	0.2 %
Response time	120 ms
Reverse polarity protection	+
Short-circuit protection	+
Sound cone (angle of beam spread)	8 °
Sound outlet	Axial
Supply voltage	18 V ... 30 V
Synchronization input	+
Synchronization possible	+
Type of analog output	4 mA ... 20 mA
Type of electrical connection	Connector M12
Voltage type	DC

OTHER FEATURES

Level detection	+
Loop control	+
Relative linearity deviation	0.3 %

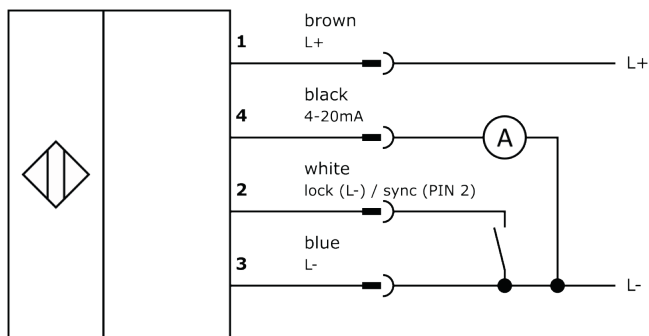
Other

Packaging dimensions	77.0mm x 25.0mm x 123.0mm
Shipping weight	0.06kg
Tariff code	85365019

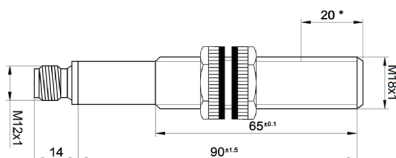
Classification

ipf product group	259
eClass 8.0	27270804
eClass 9.0	27270804
eClass 9.1	27270804
ETIM-5.0	EC001846
ETIM-6.0	EC001846
ETIM-7.0	EC001846

Connection



Dimensional drawing



Installation



Mounting / installation may only be carried out by a qualified electrician!

Disposal



Safety warnings

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

Never use these devices in applications where the safety of a person depends on their functionality.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.