

# Data sheet

## Two-wire Sensor (5 to 60 V DC)

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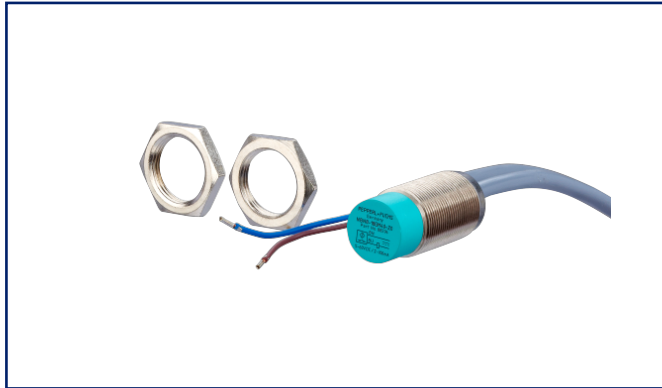
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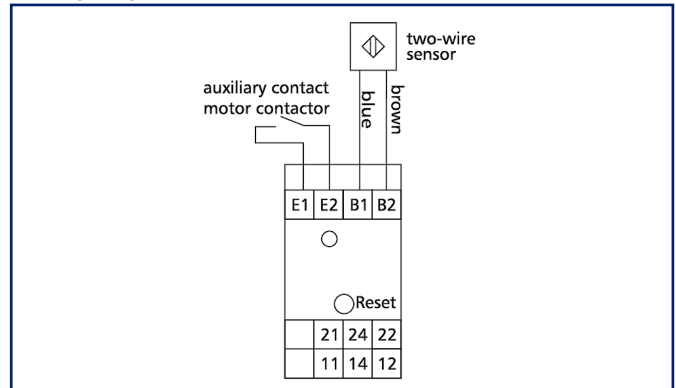
2025/08/20

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### Illustrations



Wiring diagram



See enlarged drawings at the end of document

### Product specification

The sensor consists of a cylindrical nickel-plated metal body with M18 thread and 2 thin nuts. The cable output is located at the rear. Laterally, there is a yellow LED lighted in an attenuated state. The oscillator creates a high-frequency electro-magnetic field emerging at the front of the sensor. It generates a field over the active area, which is called active pulse zone. When an electrically conductive material enters the field, it takes energy from the oscillator. This attenuates the oscillations so that they stop completely or partially. When the conductive material is removed from the active zone, the oscillator can again oscillate with its full amplitude. These two states can be evaluated electronically by the DRIW-E16.

- The sensor has the following main components:
  1. Oscillator (LC resonator)
  2. Demodulator
  3. Bistable amplifier
  4. Amplifier



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### Technical Data

#### Climatic Data

##### Operating

Relative humidity	max. 85 % non-condensing
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#### Classifications

ETIM 7.0	EC002586
ETIM 8.0	EC002586
ETIM 9.0	EC002586
ETIM 10.0	EC002586

#### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).



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**Accessories from**

P/N	Designation
1101500522	DRIW-E16, 230 V AC
1101501322	DRIW-E16, 24 V AC/DC

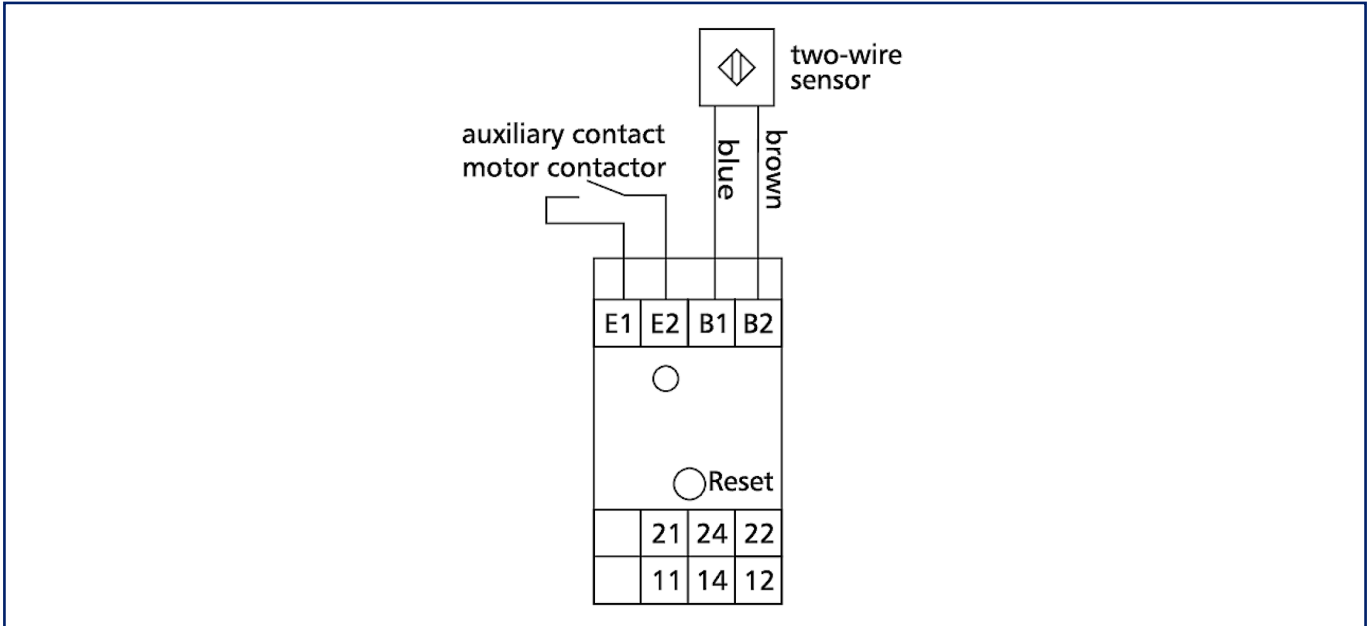
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**Illustrations**

Wiring diagram



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