

M12 x 1 connector adapter to DIN EN 175301-803 angular connector

Model WAD

WIKA data sheet AC 80.17

Applications

- For the connection of M12 x 1 circular connectors to DIN EN 175301-803 form A angular connectors

Special features

- Robust case
- Ingress protection IP65



Fig. left: Pt adapter

Fig. right: transmitter adapter

Description

This adapter enables the compatibility between angular connector per DIN EN 175301-803 form A and M12 circular connectors (patent, property right registered under no. 001370985).

The adapter is available in 2 different versions. Thus, it is universally suitable both for electrical uniform signals (4 ... 20 mA) and for diverse raw measures values (e.g. Pt100) of 2- to 4-wire connections.

Specifications

Specifications		
Operating conditions		
Ambient temperature range	-40 ... +115 °C [-40 ... +239 °F]	
Storage temperature range	-40 ... +115 °C [-40 ... +239 °F]	
Ingress protection of the complete instrument	Case with connected connector	IP65 per IEC 60529/EN 60529 ¹⁾
	Coupler connector, not connected	IP00 per IEC 60529/EN 60529
Dielectric strength	500 V	
Vibration per DIN EN 60068-2-6	10 ... 2,000 Hz, 10g	
Materials		
Case	PA	
Union nut	Zinc die-cast	
Contacts	Copper-zinc alloy, tin-plated	
Basic information		
Weight	Approx. 0.016 kg	
Transition resistance (tested at 21 °C)	Max. 0.1 Ω	
RoHS-compliant	Yes	
Mating cycles min.	10,000	
Version suitable for connection method	■ 2-wire ■ 3-wire ■ 4-wire ■ 4 ... 20 mA	
Electrical connection	M12 x 1 circular connector 4-pin to angular connector per DIN EN 175301-803 form A	

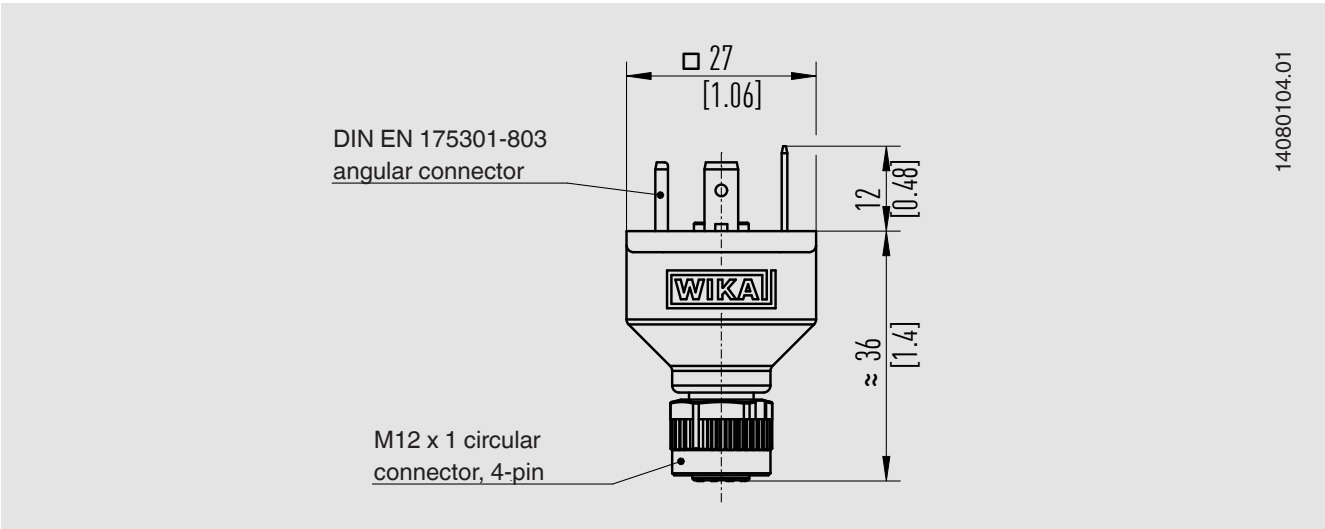
1) The stated ingress protection only applies when plugged in using mating connectors that have the appropriate ingress protection.

Patents, property rights

Number	Description
001370985	M12 x 1 adapter to DIN EN 175301-803 angular connector

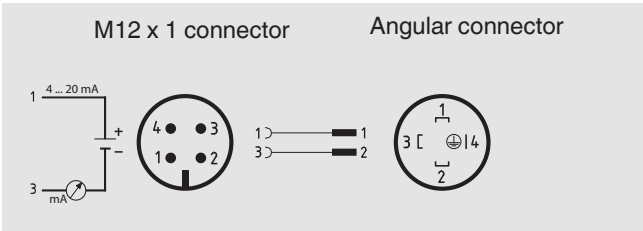
→ For approvals and certificates, see website

Dimensions in mm [in]

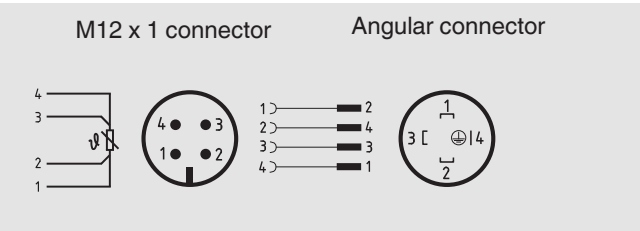


Pin assignment

M12 x 1 transmitter adapter to DIN EN 175301-803 angular connector (yellow female connector element)



M12 x 1 Pt adapter to DIN EN 175301-803 angular connector (black female connector element)



Accessories

Model	Description	Order number
	M12 x 1 trans- mitter adapter Adapter for the connection of a resistance thermometer with a DIN EN 175301-803 angular connector form A with a 4 ... 20 mA output signal. Yellow female connector element	14069503
	M12 x 1 Pt adapter Adapter for the connection of a resistance thermometer with a DIN EN 175301-803 form A angular connector with direct resistance output signal. Black female connector element	14061115

Ordering information

To order the described product the order number is sufficient.

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