

## VS98C572

### Linear and angular measurement • Wire-actuated encoders

Displacement sensor, cable, 1.5m, 10-30V DC, 4-20mA, zinc diecast, IP65, 2m cable tail

including Nut



For length measurement, rotational speed or angle measurement, magnetic measuring systems are used. These systems operate in a way that the sensor moves without contact over a flexible magnetic tape, or it is situated above the rotating magnetized measuring wheel. The magnetic tape is applied to a 0.3mm thick steel strip and is located on the circumference of the various measuring wheels. The magnetization is carried out with defined pole pitches. By scanning of the magnetic poles an analog signal is generated, which is converted into digital square wave signals that can be processed by a downstream electronics and, if necessary, be displayed. The sensor detects the pitch of the strip and converts the information into a high-resolution path or rotation information. To read out the magnetic lines no direct contact is required. Magnetic sensors are insensitive to dirt, oils and moisture and relatively stable at shock and vibration. For users, this opens up a wide field of applications, e.g. for plants and systems in the timber industry, at linear axes, in outdoor areas or with machine tools.

#### Electrical features

Type of analog output	4 - 20mA
Type of electrical connection	Cable
Operating principle	Absolute
Absolute repeat accuracy	0.15 mm
Operating voltage (DC)	10 - 30 V

#### Mechanical features

Cable length	2 m
Max. traverse speed	1 m/s
Degree of protection (IP)	IP65
Rope length	1500 mm
Housing material	Zinc die-cast
Ambient temperature	-10 - 80 °C

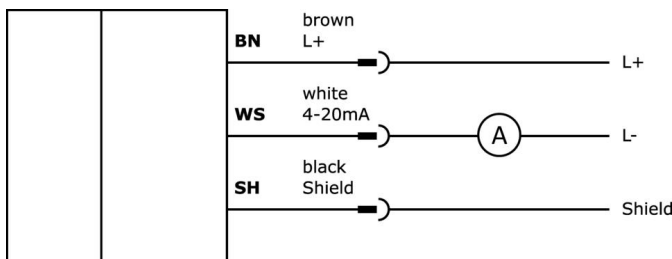
#### Classification

ETIM 8	EC001852 Displacement sensor
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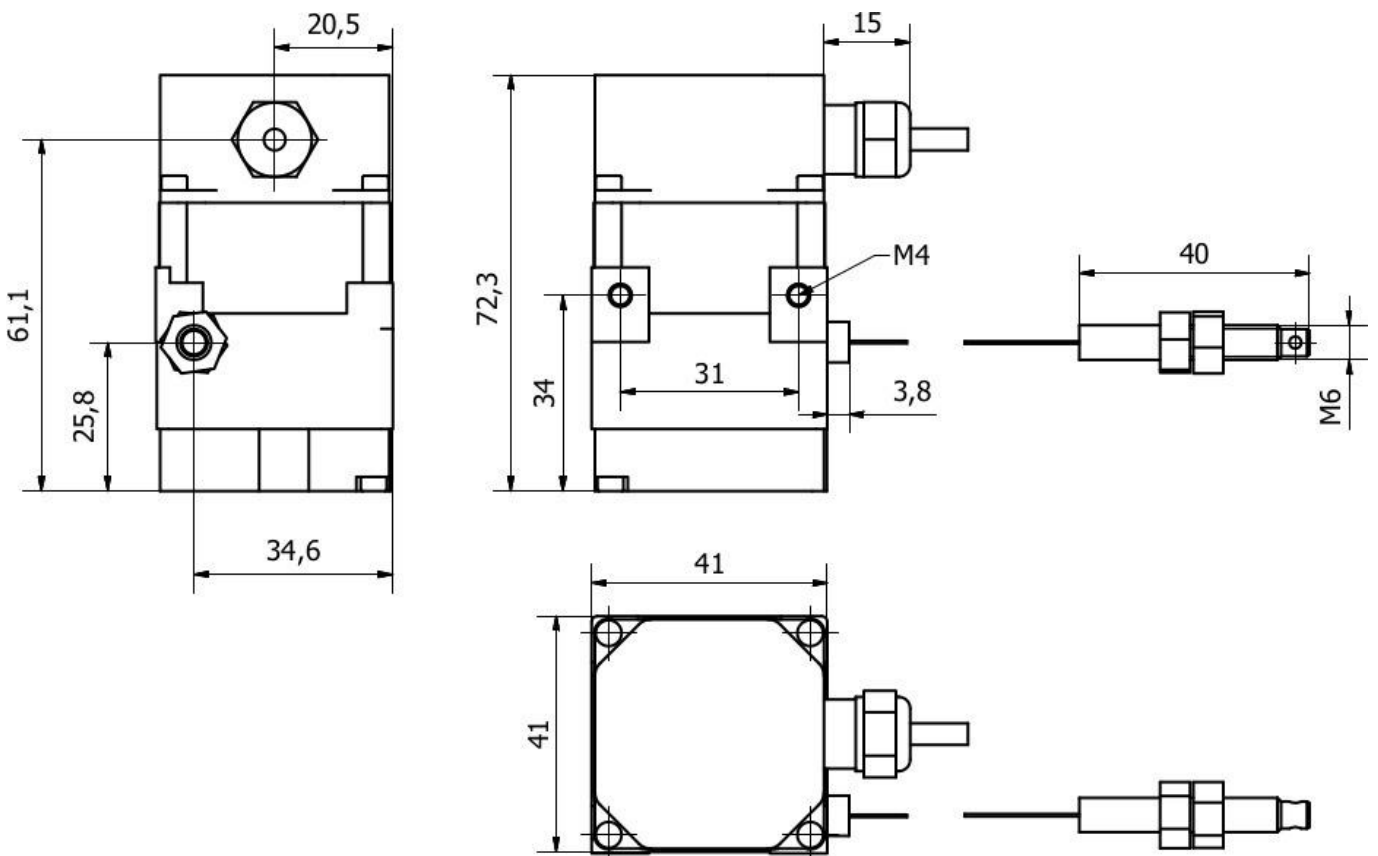
**More**

IPF Product Group	690 diverse sensors
packaging dimensions	200 x 118 x 77 mm
gross weight	431 g
Customs tariff number	90318020
WEEE number	40951076
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

**Connection**



**Dimensional drawing**



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**Extract accessories program****AY000141**

Plastic sheath, Ø17mm, Inner diameter 10mm, -40-250°C, Glass fiber with silicone rubber, Short-term resistance to weld spatter 1200°C, Tensile strength 400N, Flexible, Flame retardant, yard good

You can find further accessories on our homepage

**Installation**

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

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

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**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.