

OI12C758

Temperature sensors • contactless measurement (infrared)

sensor optical, infrared, M12x1, -40-1030°C, 5-30V DC, PNP NO (NO), 0V ... 5V / 0V ... 10V, Clamp 1m, IP63, Cable length of measuring head 1m

including Nut



Electrical features

Display	LED display
Type of switching function	Normally open contact (NO)
Type of analog output	0 - 10V 0 - 5V
Type of electrical connection	Clamped terminal connection
Type of switching output	PNP
Setting procedure	Application software Parameterization
No-load current	10 mA
Measuring range, temperature	-40 - 1030 °C
Supported communication interface	Optional
Operating voltage (DC)	5 - 30 V
Data logging possible	Yes
Output functions	Switching point

Mechanical features

Design	Cylinder, screw-thread
Thread length	26 mm
Thread pitch	1 mm
Cable length	1 m
Cable length of measuring head	1 m
Length	87 mm
Degree of protection (IP)	IP63
Thread dimension	M12
Ambient temperature	80 °C

Optical features

Spectral sensitivity	8 - 14 µm
Ratio (D:S)	15:1

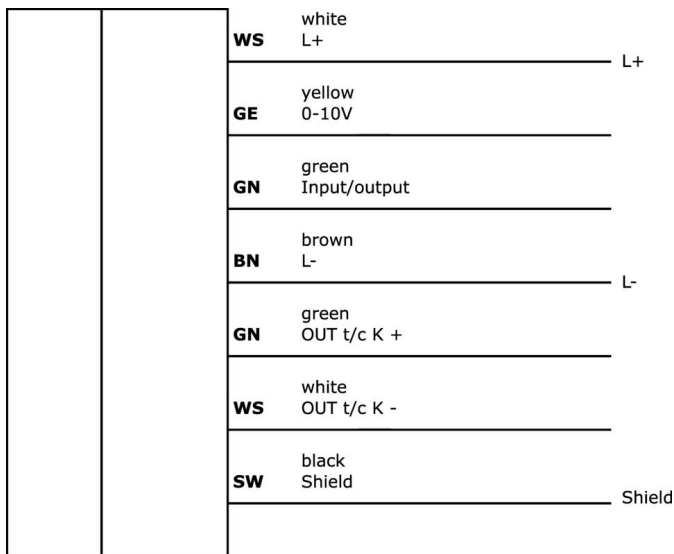
Classification

ETIM 8	EC000601 Measuring device for temperature and climate
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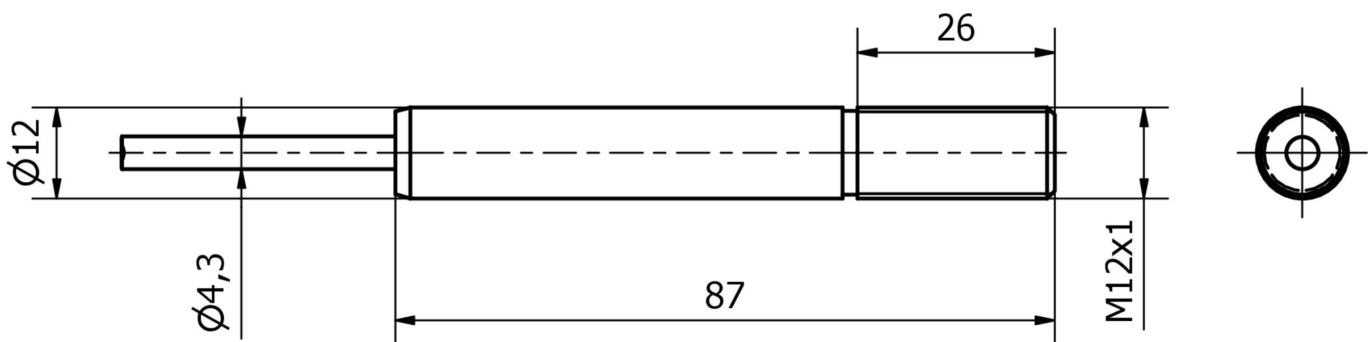
More

IPF Product Group	310 temperature sensors
packaging dimensions	149 x 124 x 28 mm
gross weight	600 g
Customs tariff number	90251900
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program**AY000025**

accessories, Hexagon nut, M12x1,
Wrench size 17mm, Brass Nickel-
plated

AY000032

accessories sensor, Ø12mm,
Aluminum, For sensor 12mm, for
Wall mounting, Screw mounting

AO98C760

PC cable, 0.8m, Free conductor
end 4pin, USB-A Male (connector)
4pin Straight

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

AY000162

Accessories, magnetic, Ø43mm,
neodymium-iron-boron, inside
thread M5, rubber

AY000159

accessories sensor, Mounting
pipe, Ø12mm 200long, Aluminum
Anodised

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

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.

/ Any software, drivers or IODD files that may be required to operate your device can be downloaded free of charge from our homepage: www.ipf-electronic.com