

SS270129

Flow sensors • Sensors for water

Flow sensor, water, calorimetric, 27x112x67 mm, G1/4", 24 V DC, PNP NO, M12 connector, PBT, pressure resistance 20 bar

including Sealing ring, Screwdriver



The function of the flow sensor involves the calorimetric principle. The sensor is heated from the inside by a few degrees Celsius relative to the flow medium into which it protrudes. When the medium flows, the heat generated in the sensor is dissipated by the medium. The temperature that is set in the sensor is measured and compared with the medium temperature, which is also measured. The flow condition for each medium can be determined from the resulting temperature difference. The application of these sensors includes monitoring of cooling systems, ventilation systems, and dry-running pumps, as well as detection of the presence of liquid or gas flows.

Electrical features

Response/decay time	100 ms
Display	LED display
Type of switching function	Normally open contact (NO)
Type of electrical connection	Connector M12
Type of switching output	PNP
Rated switching current	200 mA
Readiness delay	15 ms
No-load current	50 mA
Measurement principle	calorimetric
Operating voltage (DC)	24 V

Mechanical features

Type of process connection	G1/4 inch
Design	Cuboid
Width	67 mm
Pressure resistance	20 bar
Height	27 mm
Length	112 mm
Medium temperature	-20 - 60 °C
Degree of protection (IP)	IP67
Housing material	PBT
Sensing element material	Stainless steel 1.4571
Measuring range flow volume	0,015 - 1 l/min
Ambient temperature	0 - 60 °C

Other features

Reference medium / object	Water
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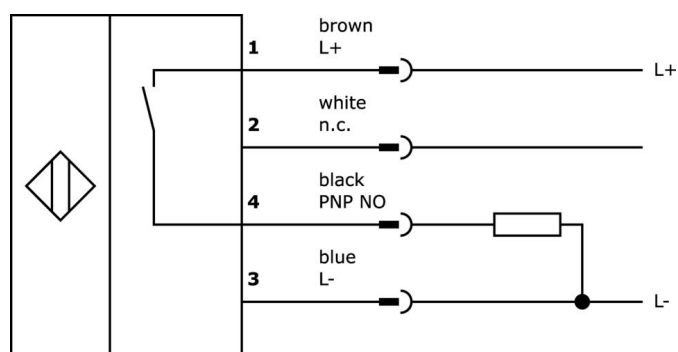
Classification

ETIM 8

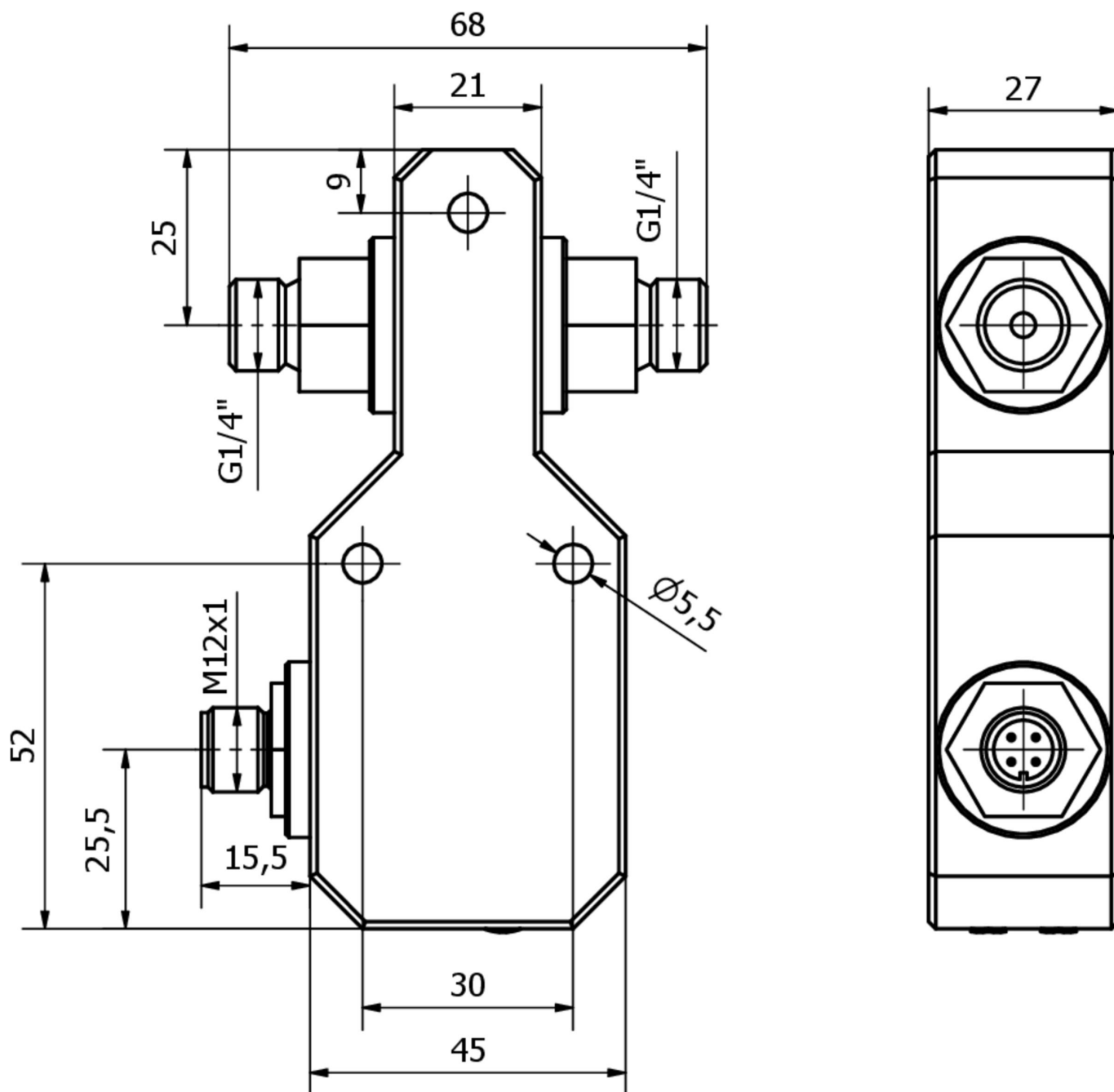
More

IPF Product Group	300 flow sensors
packaging dimensions	160 x 99 x 60 mm
gross weight	310 g
customs tariff number	90261021
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection

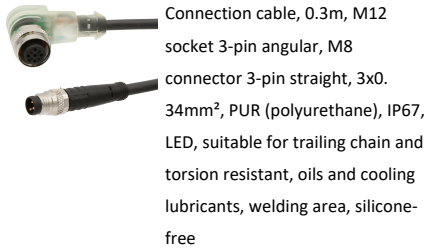


Dimensional drawing

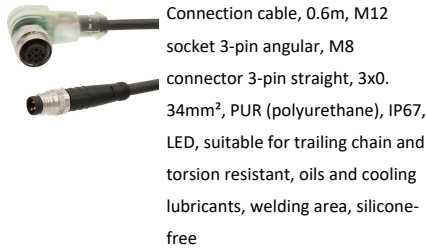


Extract accessories program

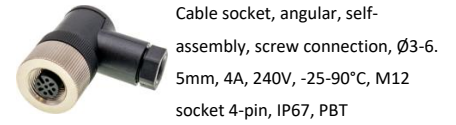
VK030F62



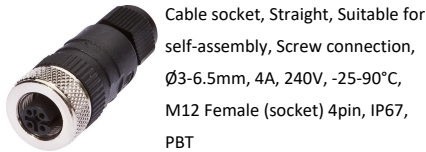
VK060F62



VK003020



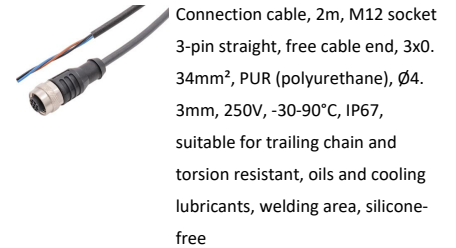
VK003024



VK200021



VK200025



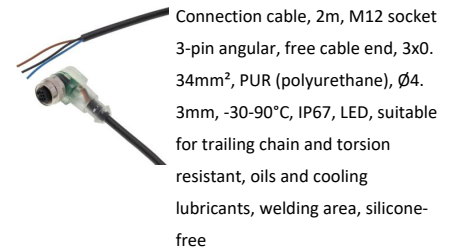
VK030F60



VK030F64



VK200221



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.