

FLS-2, FLS-6 FLOW SENSORS

Properties

- To be used for break-monitoring of small, internally cooled tools
- Suitable for different flowrate measuring ranges
- Degree of protection IP65
- Compact design
- Simple installation

The flow sensors FLS-2 and FLS-6 suit rough industrial conditions and are employed in combination with all ARTIS tool and process monitoring systems.



Illustration similar

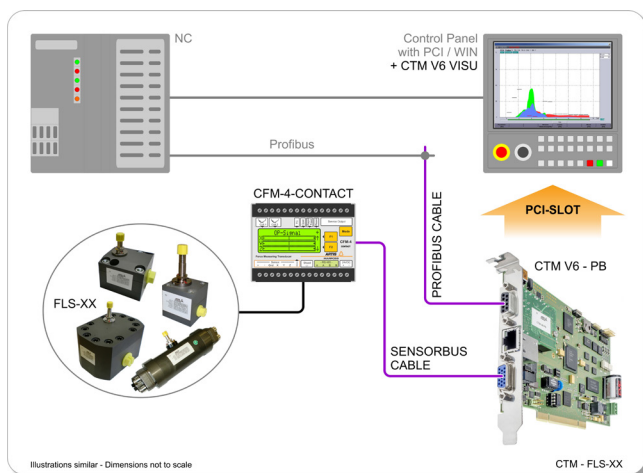
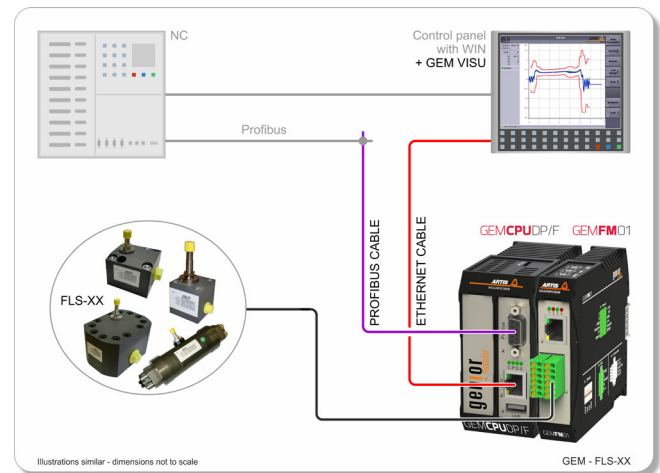
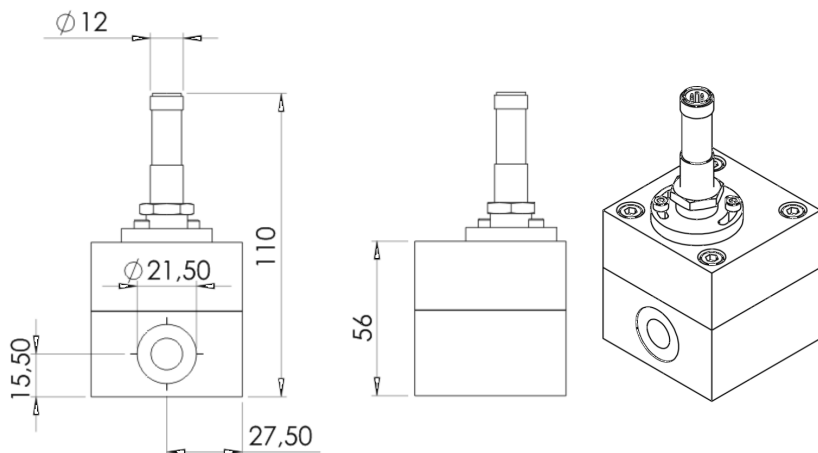


Illustration similar

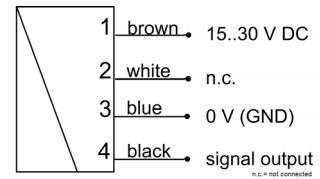


Application example:
FLS Flow Sensors with CFM-4 CONTACT Universal Measuring Transducer in the CTM Tool and Process Monitoring System.

Application example:
FLS Flow Sensors with GEMFM01 Force Measuring Transducer in the GENIOR MODULAR Tool and Process Monitoring System.



Electrical connection diagram



connection example



FLS-2	
CODE	03PZ1211001

DIMENSIONS	55 mm x 55 mm x 110 mm
MATERIAL	Aluminum, anodized
WEIGHT	0.507 kg
THREADED CONNECTION	G 1/4"
DEGREE OF PROTECTION	IP65
OPERATING TEMPERATURE	0 °C ... +70 °C
ELECTRICAL CONNECTION	For round connectors M 12x1, 4 poles, 10 m connecting cable (incl. connector)
VOLTAGE SUPPLY	15 – 30 V
VOLTAGE OUTPUT	0 – 10 V
CHARGING RATE	< 20 mA (without load)
MAX. PRESSURE	200 bar
MEASURING RANGE	0.02 – 2 l/min
FREQUENCY	0.04 cm ³ = 1 pulse max. 833 Hz at 2 l/min
ACCURACY	3 % of measured value (measured at a flow of 20 mm ² /s)
REPEATABILITY	± 0.3%
USABILITY	Viscous fluid, self-lubricating media (technical soaps, pastes and non abrasive emulsions)
FILTER RANGE	< 30 µm
CONFORMITY	CE, UKCA

FLS-6	
CODE	03PZ1211002

DIMENSIONS	55 mm x 55 mm x 110 mm
MATERIAL	Aluminum, anodized
WEIGHT	0.459 kg
THREADED CONNECTION	G 3/8"
DEGREE OF PROTECTION	IP65
OPERATING TEMPERATURE	0 °C ... +70 °C
ELECTRICAL CONNECTION	For round connectors M 12x1, 4 poles, 10 m connecting cable (incl. connector)
VOLTAGE SUPPLY	15 – 30 V
VOLTAGE OUTPUT	0 – 10 V
CHARGING RATE	< 20 mA (without load)
MAX. PRESSURE	200 bar
MEASURING RANGE	0.1 – 6 l/min
FREQUENCY	0.2 cm ³ = 1 pulse max. 500 Hz at 6 l/min
ACCURACY	3 % of measured value (measured at a flow of 20 mm ² /s)
REPEATABILITY	± 0.3%
USABILITY	Viscous fluid, self-lubricating media (technical soaps, pastes and non abrasive emulsions)
FILTER RANGE	< 30 µm
CONFORMITY	CE, UKCA



Important notice!

Dirt particles must not get into the flow chamber, as this might cause the blockage of the gearwheels. It may therefore be necessary to install filters upstream of the sensor (mesh size < 30 µm).



www.marposs.com

For a full list of address locations, please consult the Marposs official website

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