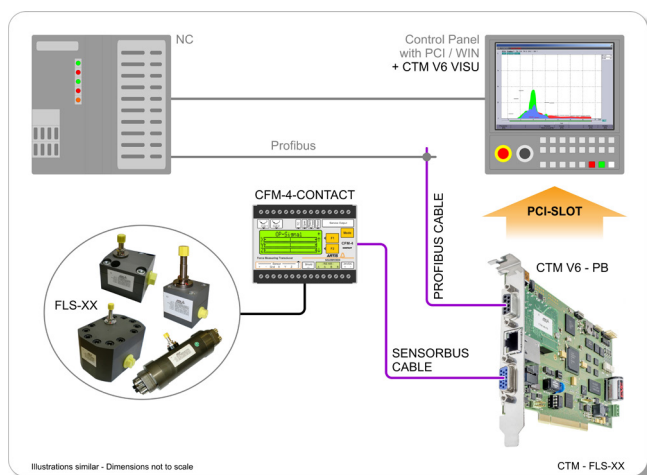## *FLS-150-350 FLOW SENSOR*

Properties

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

The flow sensor FLS-150-350 suits rough industrial conditions and is employed in combination with all ARTIS tool and process monitoring systems.
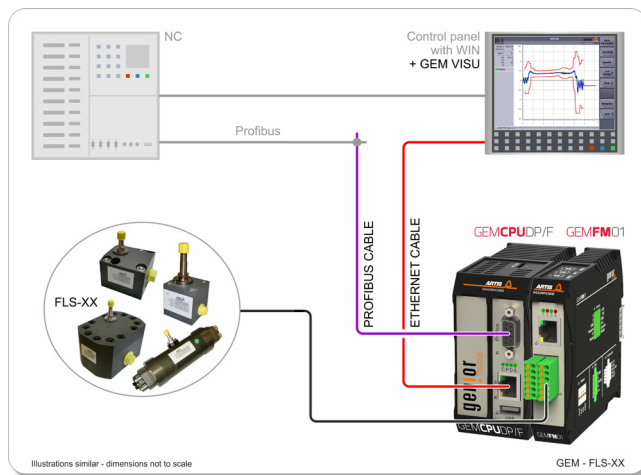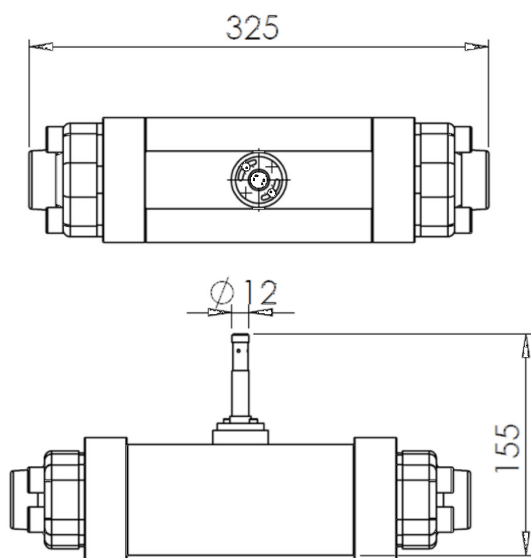

Illustration similar

Illustration similar

Application example:
FLS Flow Sensors with CFM-4 CONTACT Universal Measuring Transducer in the CTM Tool and Process Monitoring System.
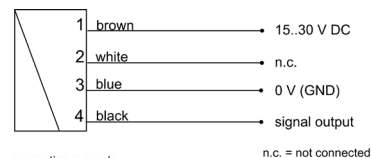
Application example:
FLS Flow Sensors with GEM**FM**01 Force Measuring Transducer in the GENIOR MODULAR Tool and Process Monitoring System.

Electrical connection diagram

1	brown	15..30 V DC
2	white	n.c.
3	blue	0 V (GND)
4	black	signal output

connection example

n.c. = not connected

FLS-150-100

CODE	O3PZ1211004

DIMENSIONS	120 mm x 170 mm x 176 mm		MAX. PRESSURE	100 bar
MATERIAL	Aluminium, anodized		MEASURING RANGE	3 – 150 l/min
WEIGHT	6.3 kg		FREQUENCY	5.22 cm^3 = 1 pulse max. 479 Hz at 150 l/min
THREADED CONNECTION	G 1"			
DEGREE OF PROECTION	IP65		ACCURACY	3 % of measured value (measured at flow rate or 20 mm^2/s)
OPERATING TEMPERATURE	0 °C ... +80 °C			
ELECTRICAL CONNECTION	For round connectors M 12x1, 4 poles, 10 m connecting cable (incl. connector)		REPEATABILITY	± 0.3%
			USABILITY	Viscous fluid, self-lubricating media (technical soaps, pastes and non abrasive emulsions)
VOLTAGE SUPPLY	15 – 30 V		FILTER RANGE	< 30 μm
VOLTAGE OUTPUT	0 – 10 V		CONFORMITY	CE, UKCA
CHARGING RATE	< 25 mA (without load)			

⚠️ **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).