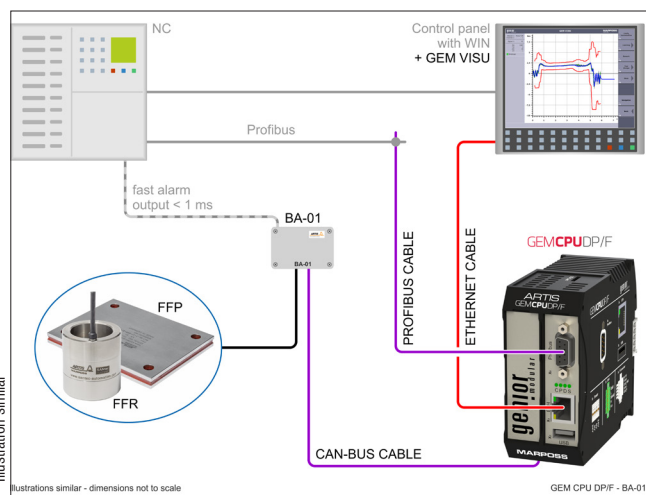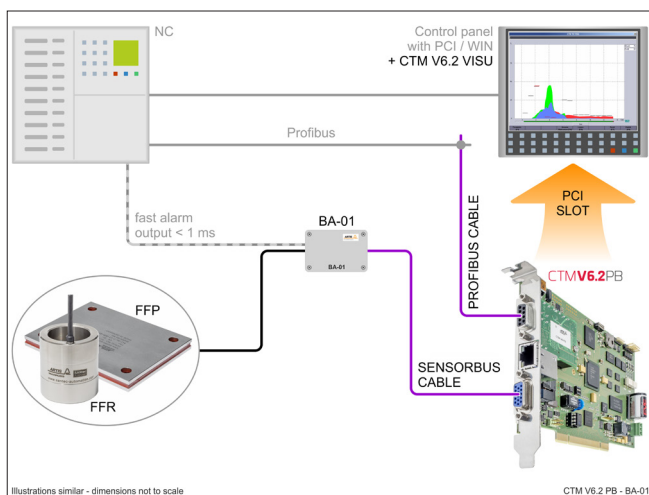## BA-01 BRIDGE AMPLIFIER

Properties

- Force measuring amplifier and measuring transducer for full bridges
- Suitable for all ARTIS monitoring systems
- Stand-alone operation also possible
- Rapid detection of material contact
- Switchable amplifier settings
- Balancing via external switching input
- Degree of protection IP65
- ARTIS CAN bus, ARTIS sensor bus
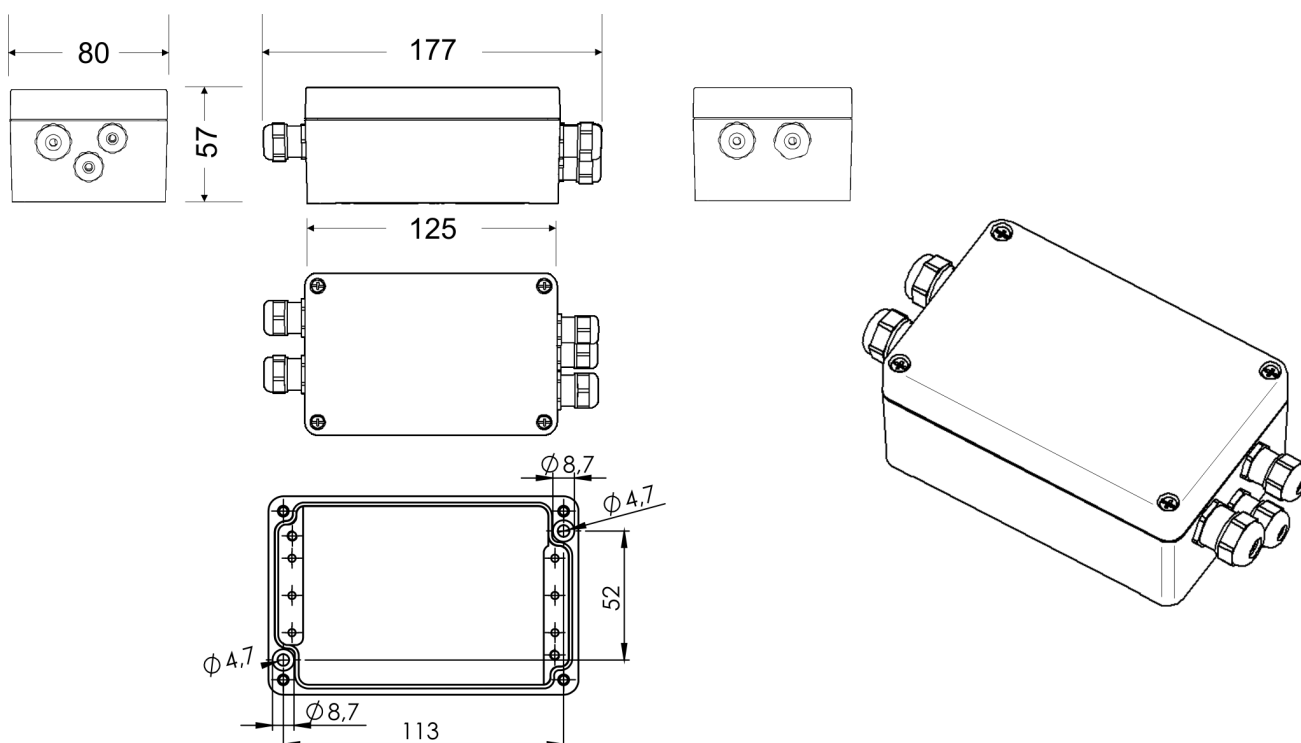

Illustration similar

Application example:
BA-01 and FFP/FFR sensor with the CTM**V6.2** Tool and Process Monitoring System

Application example:
BA-01 and FFP/FFR sensor with the GENIOR MODULAR Tool and Process Monitoring System

CODE	O830Z811202
DIMENSIONS	see drawing
WEIGHT	0.576 kg
MATERIAL	die-cast aluminim, gray
DEGREE OF PROTECTION	IP65
CONTACTING	spring terminal blocks
OPERATING TEMPERATURE	0 – 50 °C
INSTALLATION	screw fastening
VOLTAGE SUPPLY	24 V DC (20 V – 36 V)
NOM. CURRENT CONSUMPTION	max. 250 mA
AMPLIFICATION	100...4000x
INTERFACES	optional: • CAN bus • ARTIS sensor bus
SUPPLY MEASURING BRIDGE	10 V / max. 42 mA
BRIDGE RESISTANCE	> 240 Ω

INPUT RANGE		± 50 mV
OUTPUT RANGE		± 10 V
OUTPUT IMPEDANCE		1 kΩ
FREQUENCY RANGE		< 1 kHz
AD CONVERSION		sampling 12 bit sliding averaging 2 kHz
SWITCHING OUTPUTS	Out1	signal for material contact, open coll. output, 18 – 36 V DC, up to max. 150 mW
	Out2	reserved: open coll. output, 18 – 36 V DC, up to max. 150 mW
SWITCHING INPUT	IN	digital input low: 0 – 5 V high: 14 – 28 V
CONFORMITY		CE, UKCA