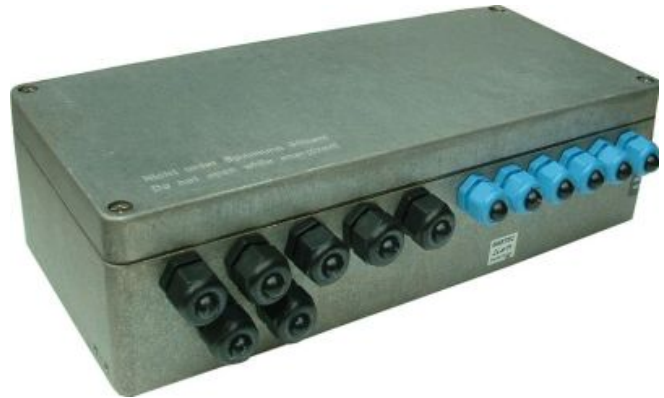


Measuring Interface, type 6718-23

- Simultaneous data entry up to six temperatures
- Four outputs
- Mounting directly on the trailer in hazardous location classified to zone1



Function

Temperatures are scanned via a Pt100 measuring circuit in accordance with DIN IEC 751. The system detects sensor breaks as well as sensor short-circuits.

The switching outputs are supplied separately, have various monitoring functions and are protected from overvoltage and short-circuits

Application

The measuring interface is able to scan up to six temperatures and control up to four valves simultaneously. Transmission of measurement data via a serial field bus means that the measuring interface can be integrated in any installation.

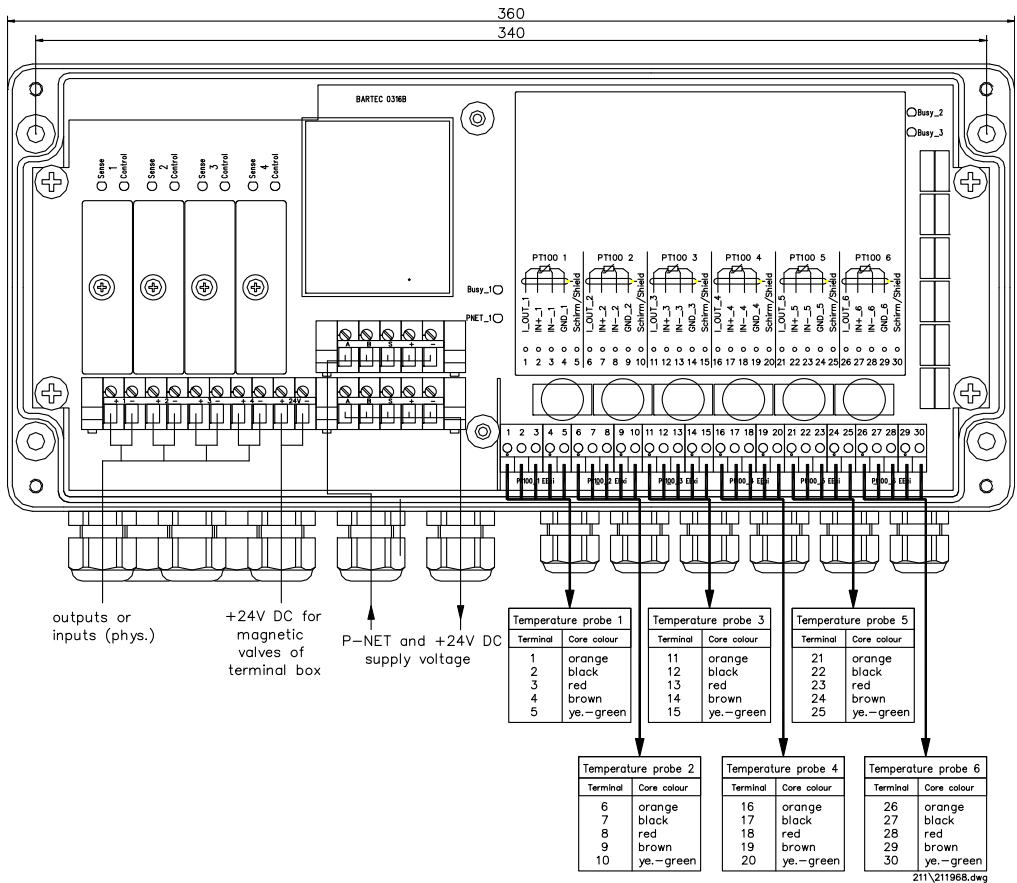
Thanks to its rugged design the measuring interface is ideal for use in mobile as well as in stationary installations of the mineral oil industry.

Advantages

- **Temperature measurements, appropriate for verification in accordance with OIML recommendations**
- **Internal error diagnosis with error message for evaluation**
- **Intrinsically safe design in accordance with EEx ib for zone 1 applications**
- **4 wear-free short circuit-proof semiconductor switches with monitoring functions**
- **Data transmission by P-NET serial field bus**

Technical Data

Device-specific data	
Measuring range	-20 ... + 60°C
Accuracy/cancellation	< 0.2°C measuring range 0.1°C
Nominal condition	+ 24° C
Temperature influence	< 0.1° C
Electrical data	
Auxiliary power	DC 24 V / 0.15 A
Auxiliary power output	max. DC 32 V, external provided
Connection type	Screw clamp 1.5 mm ²
Outputs	4 x DC 24 V / 0.35 A (short circuit proof)
Interfaces	P-NET 76800 bit/s
Ambient conditions	
Operating temperature	- 20 ... + 50° C
Storage temperature	- 40 ... + 85° C
Mechanical data	
Dimensions	160 x 360 x 90 mm
Weight	4,5 kg
Material	aluminium die casing
Protection type	EEEx em [ib] T 4
Cable feed	PG 9



Order designation

Designation	Order number
Measuring Interface, type 6718-23	211968