

Temperature probe + Sensor, type 6703-11, Series B

The temperature sensor 6703-11 measures the milk temperature during the intake procedure or during the milk delivery in the dairy.

Via a plus-switching output, the integrated liquid sensor sends a signal if there is milk in the intake pipe.



Description

The compact design with stainless-steel measuring tip meets the hygienic requirements of the food industry.

The sensor for temperature and conductivity is suitable for the application in stationary and mobile systems and is CIP-cleanable.

The temperature sensor is mounted on the welding connection via a service-friendly clamp connection.

Characteristics

- **Hygienic quality of the sensor head.**
- **CIP-cleanable.**
- **Very robust.**
- **Compact design.**

Technical data

Mechanical data

Casing	V ₂ A 1.4301
Weight	0.5 kg
Assembly	Clamp DN 20

Electrical data

Operating voltage	DC 24 V, 50 mA
Connection	Cable 5 m (conductor end sleeves)
AC voltage of milk sensor	12 V AC, approx. 1.5 kHz
Threshold level of milk sensor	ca. 500 Ω
Output of milk sensor	Plus-switching (DC +24 V) Switching current ≤ 20 mA

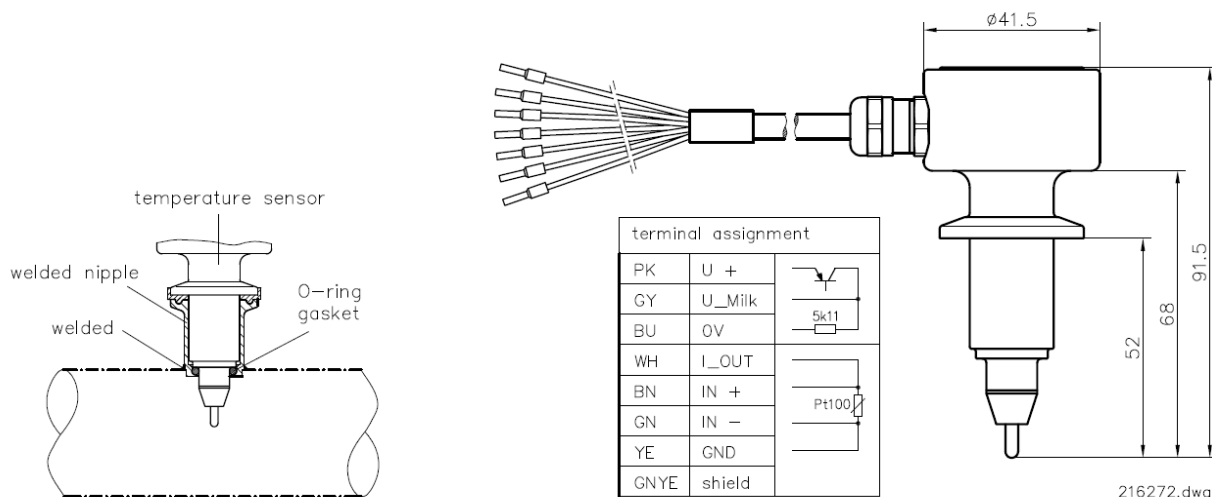
Device-specific data

Measuring element	Pt 100 DIN B 4, L _{Im} = 1 mA
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Ambient conditions

Operating temperature	- 20 ... + 60 °C
Temperature range of sensor element	- 20 ... + 100 °C
Protection type	IP 65

Pin connection



Order designations

Designation	Order number
Temperature probe + sensor type 6703-11	216 272
Accessories (not included in the scope of delivery)	
Welding connection DN 20, type 6701-00-021	216 921
Double-joint clamp DN 20	216 815
Clamp flat gasket DN 20 EPDM	216 816
O-ring gasket, 12,0 x 3,0 Viton	U 220 751