

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

- This sensor has got a very compact and robust design.
- It's clamp connections offer best possibilities for fitting and maintenance.



Description

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

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

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

Function

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.

Advantages

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

Technical data																				
Electrical data																				
Operating voltage	DC 24 V (+ 10 ... - 20 %), 50 mA																			
Connection	Cable 5 m (conductor end sleeves)																			
Output of milk sensor	Plus-switching (DC +24 V) Switching current ≤ 20 mA																			
Threshold level of milk sensor	Approx. 500 Ω																			
AC voltage of milk sensor	12 V AC, approx.. 1.5 kHz																			
Ambient conditions																				
Operating temperature	- 20 ... + 60 °C / briefly up to + 80°C																			
Temperature range of sensor element	- 20 ... + 100 °C																			
Protection type	IP 65																			
Mechanical data																				
Casing	V ₂ A 1.4301																			
Weight	0.5 kg																			
Assembly	Clamp DN 20																			
Device-specific data																				
Measuring element	Pt 100 DIN IEC 751 Class A																			
Installation																				
<table border="1" style="margin: 10px auto;"> <caption>terminal assignment</caption> <tr> <td>PK</td> <td>U +</td> <td rowspan="2"></td> </tr> <tr> <td>GY</td> <td>U_Milk</td> </tr> <tr> <td>BU</td> <td>0V</td> <td></td> </tr> <tr> <td>WH</td> <td>I_OUT</td> <td rowspan="5"></td> </tr> <tr> <td>BN</td> <td>IN +</td> </tr> <tr> <td>GN</td> <td>IN -</td> </tr> <tr> <td>YE</td> <td>GND</td> </tr> <tr> <td>GNYE</td> <td>shield</td> </tr> </table> <p style="text-align: right; font-size: small;">216272.dwg</p>		PK	U +		GY	U_Milk	BU	0V		WH	I_OUT		BN	IN +	GN	IN -	YE	GND	GNYE	shield
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Order designations																				
Designation	Order number																			
Temperature probe + Sensor, type 6703-11, Serie B	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 VMQ 70 FDA	335 326																			