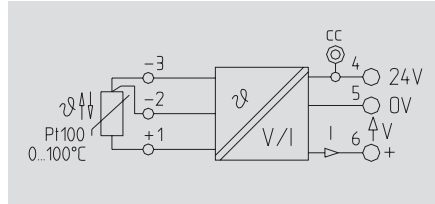
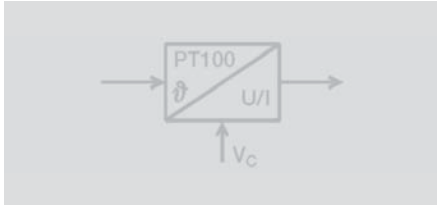
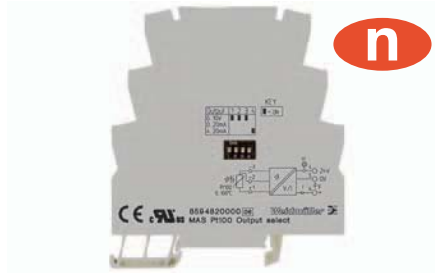


PT100 / RTD - signal isolator/converter

PT100, 2-/3-Conductor disconnector converter

- 2-way isolation between input/output and power supply
- PT100 2-/ 3-conductor
- Output can be switched calibrated via DIP-switch

PT100 Output select



Technical data

Input

Sensor
Feed current
Temperature input range

Output

Output voltage/Output current
Load resistance voltage/Current
Accuracy
Temperature coefficient
Step response time

General data

Supply voltage
Power consumption
Current-carrying cap. of cross-connect.
Operation temperature
Storage temperature
Default settings
Approvals

Insulation coordinates

Standards
EMC standards
Rated voltage
Impulse withstand voltage
Isolation voltage Input, output/
Overvoltage category
Pollution severity
Clearance & creepage path

PT100/2-/3-conductor
0.8 mA
0...100 °C

0...10V / 0...5V/0(4)...20 mA
>= 10 kΩ / < = 600 Ω
< 0.5 % out of measuring range
<= 250 ppm/K of final value
< 0.7 s

24 Vdc +/- 10 %
approx. 0.6 W
<= 20 A
0 °C...+55 °C
-20 °C...+85 °C
0...20mA
CE / ESD / cURus

EN 50178, EN 60751, IEC751
EN 50081, EN 50082, EN 55011, EN 61000-6-2, EN 61326
100 V
1.5 kV
500 Veff/
III
2
>= 1.5mm

Dimensions

Clamping range (rating- / min. / max.) mm²
Length x width x height mm

Information

Screw connection

2.50 / 0.50 / 2.50
88.0 x 6.1 x 97.8

Tension clamp c.

1.50 / 0.50 / 2.50
92.0 x 6.1 x 97.8

Tu=23°C, single module

Ordering data

Type of connection

Screw connection
Tension clamp c.

Type	Qty.	Order No.
MAS PT100 0...100C	1	8594820000
MAZ PT100 0...100C	1	8594850000

Information

Accessories

Information

Information accessoriesVoltage supply 24V and 0V with ZQV 4N/x cross-connection

Output	Switch			
	1	2	3	4
) ... 10 V	■	■	■	□
) ... 20 mA	□	□	□	□
! ... 20 mA	□	□	□	■
) ... 5 V	■	■	■	■

■ = ein
□ = aus

Connection

