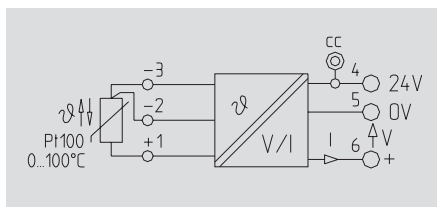
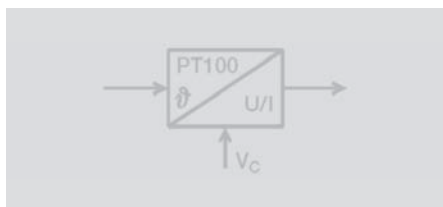


# PT100 / RTD - signal isolator/converter

## 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

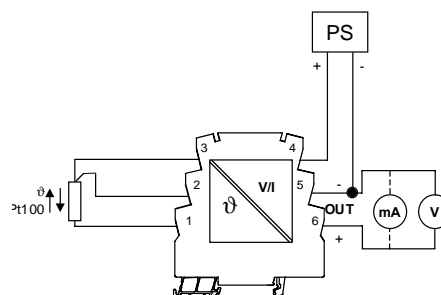
## PT100 Output select



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

■ = ein  
□ = aus

## Connection



## 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.) mm<sup>2</sup>  
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