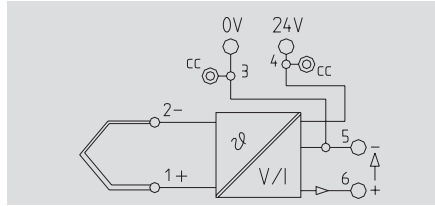
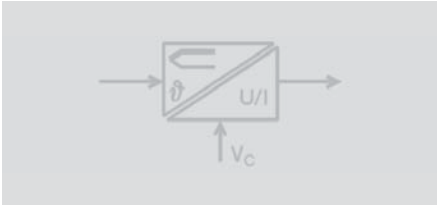
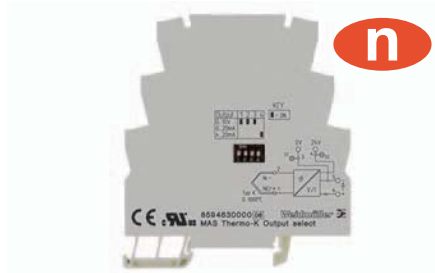


Thermo element, signal isolator/converter

Thermo disconnecter converter type: J

- 2-way isolation between input/output and voltage supply
- Cold-junction compensation
- Linearization
- Output can be switched calib. via DIP-switch

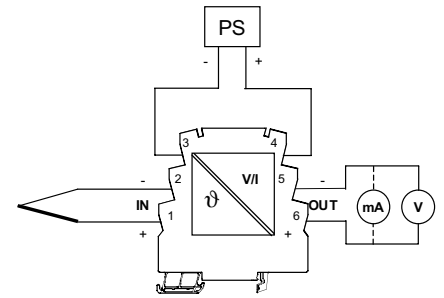
Thermo J Output Select



Output	Switch			
	1	2	3	4
0 ... 10 V	■	■	■	□
0 ... 20 mA	□	□	□	□
4 ... 20 mA	□	□	□	■
0 ... 5 V	■	■	■	■

■ = on
□ = off

Connection



Technical data

Input

Sensor
Temperature input range

Output

Output voltage/Output current
Load resistance voltage/Current
Accuracy
Temperature coefficient
Step response time
Wire break detection
Residual ripple

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

thermo-elements according IEC 584, type: J
0...700 °C

0...10V / 0...5V/0(4)...20 mA

$\geq 10 \text{ k}\Omega / < = 600 \Omega$

$< 0.7 \%$ of measuring range

$\leq 250 \text{ ppm/K}$ of final value

$< 0.7 \text{ s}$

output value: $> 20 \text{ mA}$, $> 10 \text{ V}$

$< 20 \text{ mVeff}$

24 Vdc +/- 10 %

approx. 0.6 W

$\leq 20 \text{ A}$

0 °C...+55 °C

-20 °C...+85 °C

0...20mA

CE / ESD / cURus

EN 50178, EN 60584, IEC 584

EN 50081, EN 50082, EN 55011, EN 61000-6-2, EN 61326

100 V

1.5 kV

500 Veff/

III

2

$\geq 1.5 \text{ mm}$

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

T_u=23°C, single module

Ordering data

Type of connection

Screw connection
Tension clamp c.

Type

Qty.

Order No.

MAS Thermo-J 0...700°C Output select 1 **8615210000**
MAZ Thermo-J 0...700°C Output select 1 **8615240000**

Information

Accessories

Information

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