

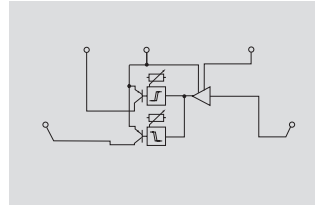
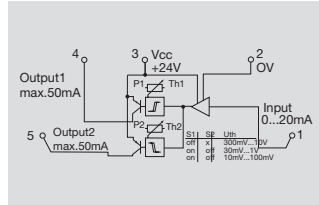
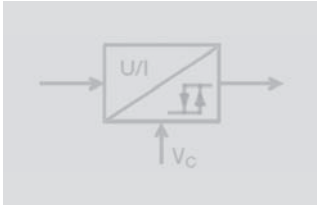
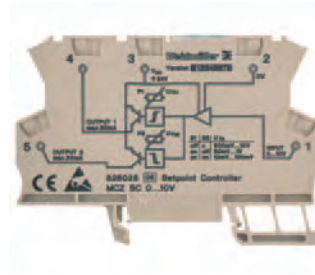
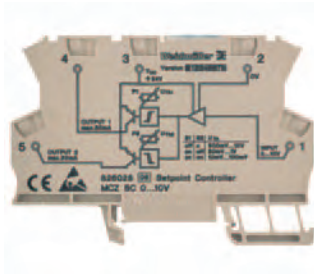
# Threshold monitoring

## Transistor output

- 2 digital outputs
- Monitoring of upper and lower level

### MCZ SC 0...10V

### MCZ SC 0...20mA



## Technical data

### Input

Input voltage/Input current  
Input resistance voltage/Current  
Voltage drop

### Output

Contact arrangement/  
Function  
Switching thresholds  
Hysteresis  
Switching current max.  
Step response time  
Cut-off freq. (-3dB)  
Temperature coefficient

### General data

Supply voltage  
Current consumption  
Operation temperature  
Storage temperature  
Approvals

0...10 V/  
60 kΩ/  
double switch output PNP/  
U<sub>in</sub> < U<sub>th1</sub>: Output 1 active / U<sub>in</sub> > U<sub>th2</sub>: Output 2 active  
via 2 potentiometers (12 turns)  
1% of adjusted final value  
50 mA - per channel (voltage drop at output transistor: < 1.2 V at 50 mA)  
< 250 μs (switch threshold at 90% of the max. input signal; R<sub>i</sub> <= 1 kΩ)  
100 Hz  
250 ppm/K (max. 500 ppm/K)  
24 Vdc +/- 20 %  
15 mA  
0 °C...+50 °C  
-25 °C...+60 °C

/0.5...20 mA  
/50 Ω  
1 V  
double switch output PNP/  
I<sub>in</sub> < I<sub>th1</sub>: Output 1 active / I<sub>in</sub> > I<sub>th2</sub>: Output 2 active  
via 2 potentiometers (12 turns)  
1% of final value  
50 mA - per channel (voltage drop at output transistor: < 1.2 V at 50 mA)  
< 250 μs (switch threshold at 90% of the max. input signal; R<sub>i</sub> <= 1 kΩ)  
100 Hz  
max. 250 ppm/K  
24 Vdc +/- 20 %  
15 mA  
0 °C...+50 °C  
-25 °C...+60 °C

### Dimensions

Clamping range (rating- / min. / max.) mm<sup>2</sup>  
Length x width x height mm

### Information

### Tension clamp c.

1.50 / 0.50 / 1.50  
91.0 x 6.0 x 63.2

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1.50 / 0.50 / 1.50  
91.0 x 6.0 x 63.2

## Ordering data

### Type of connection

Tension clamp c.

Type	(Qty.=1)	Order No.
MCZ SC 0-10V		8260280000

Type	(Qty.=1)	Order No.
MCZ SC 0-20MA		8227350000

### Information

## Accessories

### Information

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

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

Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2