

Pt-100 Measuring Contact

AD-MK 530 GS

Description

The measuring contact AD-MK 530 GS compares the temperature measuring value at the input with the values set at the key coding switches. If the measuring signal is above or below the set value, the relevant output relay reacts to a preset function.

A Pt-100 resistance thermometer in 3-lead technology is interrogated as input value. Lead resistance are automatically compensated. The temperature range is calibrated explicitly according to customer data. (i.e. 0-100°C or -30-+50°C). The limit values are to be set at the front via key coding switches 0-99%. The output functions 2 max., 2 min. or 1 max/min as well as the idle or working principle of the output relays can also be set at the front. Input, outputs and supply voltage are galvanically separate from each other.



Application

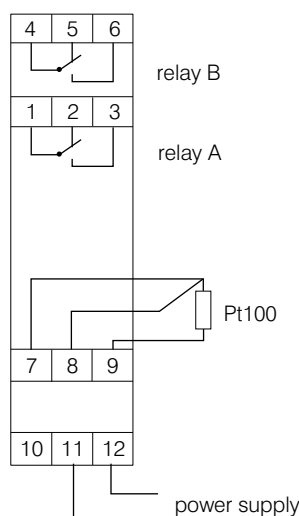
Monitoring and signalling of limit values of temperature measuring via Pt-100 sensors.

Specification

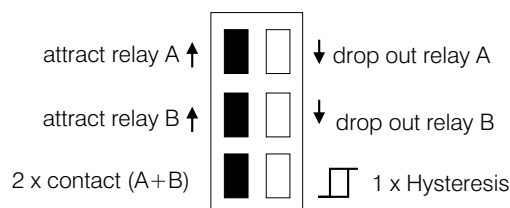
Construction type:	1 channel switchboard housing
Power supply:	wide range 20-253VDC / 50-253VAC
Power consumption:	approx. 2,3 VA resp. 1,8 W
Input:	Pt-100 in 3-wire systems
Input range:	by customer specifications e.g. -10...+100°C
Output:	2 changer, switchable to operating principle or break-contact principle
Switching voltage:	max. 250V, 50Hz
Switching current:	max. 2 A
Switching capacity:	max. 100 VA
Function adjustable:	2 Max.; 2 Min.; 1 Max./Min.
Accuracy:	1% resp. 1 digit
EMC-certification:	CE-conform IEC 801-5 SURGE class 3 IEC 801-4 BURST class 3
Radio shielding	EN 55011, limit-graph B
Protective systems:	input/power supply: against over voltage, confusing the poles, over current, over temperature
Ambient temperature:	0° - 50° C

(*) values must be advised by order

Connections and dimensions: AD-MK 530 GS

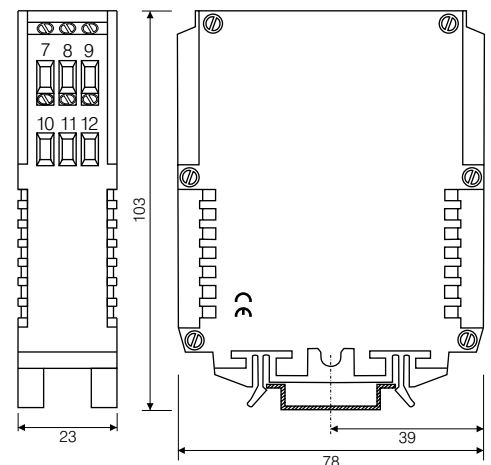


Switches on the front side:



connection data:
finewire: 2,5 mm²
singlewire 4,0 mm²
max. voltage 250 V AC

manner of fastening:
attachment rail NS 35 / 7,5
protection: IP 20
weight: ca. 200 g



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ADAMCZEWSKI
Elektronische Messtechnik GmbH

Felix-Wankel-Str. 13
Tel. +49 (0)7046-875
vertrieb@ad-messtechnik.de

74374 Zaberfeld
Fax +49 (0)7046-7678
www.adamczewski.com