

## General

MICO is an over current protection device to monitor the circuit of 24 V SELV or PELV (IEC 364-4-41).

Major norm requirements for electrical machines and plants are:

- Fire protection EN 60950-1
- Defineable voltage condition EN 61131-2
- Secured and reproduceable condition EN 61131-1

When using primary switched power supplies with conventional protection cable failure or short-circuit can break into supply voltage. Current circuit which are

connected to the power supplies will break down. Troubleshooting takes time. The overload element needs to be released to prevent the risk of fire. MICO keeps availability active. Voltage break downs can be avoided.

### Note:

An optimized protection for wires can be achieved. The longest cable and the smallest cable cross-section has to be considered during the test.

## MICO



### MICO

Over current protection device for monitoring circuits with 24 V DC SELV (IEC 364-4-41) applications.

Type:	4 channels
Nominal input voltage:	24 V DC
Supply voltage range:	18...31 V DC
Output:	Potential free alarm
Bridging:	Standard bridging comb and terminals issued doubled

from page 4.7.2

Over current protection device for 24 V DC with SELV and PELV applications

**MICO 4.6**  
4 channels

Fire protection to EN 60950-1

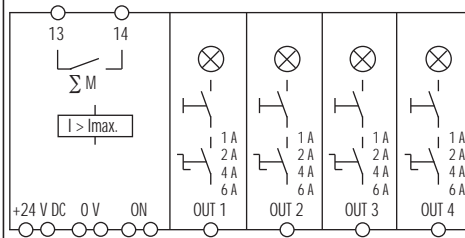
Supply voltage protection to EN 61131-2

Operating condition capacity to EN 61131-1



Approvals: in preparation

## Circuit diagram



## Ordering data

Art.-No.

9000-41034-0100600

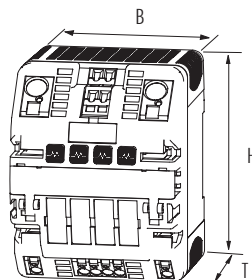
## Technical data

Nominal input voltage	24 V DC
Supply voltage range	18...31 V DC
Channel	4 channels
Distance restart	pulse switch, min. impulse length 100 ms
Current adjustment	1 A, 2 A, 4 A, 6 A
Operation	countersunked, sealed
Nom. output voltage	semiconductor switch 24 V DC
Alarm output	transistor output via opto-coupler max. 30 V DC, 1 A
Distance restart (ON)	pulse switch 100 ms

## General data

Mounting method	spring clamp terminals
Input terminals	2 x 16 mm <sup>2</sup>
Output terminals	per output 1 x 4 mm <sup>2</sup>
Alarm terminals	2.5 mm <sup>2</sup>
Bridging	doubled terminals and standard combs
Temperature range	0...+55 °C
Mounting method	DIN-rail mounting to EN 60715 (TH35)
Weight	0.158 kg
Dimensions H x B x T	90 x 70 x 80 mm

## Dimension drawing/Dimensions



## Accessories

Art.-No.

Bridging combs for 10 modules

9000-41034-0000001

## Notes

Over current protection device for 24 V DC with SELV and PELV applications

Fire protection to EN 60950-1

Supply voltage protection to EN 61131-2

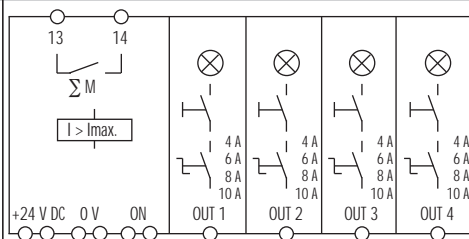
Operating condition capacity to EN 61131-1

Approvals: in preparation

**MICO 4.10**  
4 channels



**Circuit diagram**



**Ordering data**

Art.-No.  
9000-41034-0401000

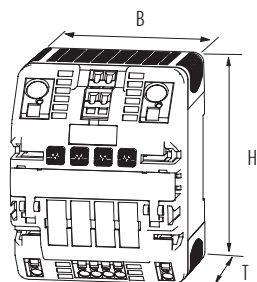
**Technical data**

Nominal input voltage	24 V DC
Supply voltage range	18...31 V DC
Channel	4 channels
Distance restart	pulse switch, min. impulse length 100 ms
Current adjustment	4 A, 6 A, 8 A, 10 A
Operation	countersunked, sealed
Nom. output voltage	semiconductor switch 24 V DC
Alarm output	transistor output via opto-coupler max. 30 V DC, 1 A
Distance restart (ON)	pulse switch 100 ms

**General data**

Mounting method	spring clamp terminals
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**Dimension drawing/Dimensions**



**Accessories**

Bridging combs for 10 modules

Art.-No.  
9000-41034-000001

**Notes**