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 electronical 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

Fire protection to EN 60950-1

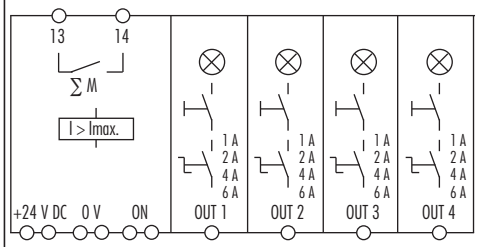
Supply voltage protection to EN 61131-2

Operating condition capacity to EN 61131-1

Approvals: c SP us
in preparation

MICO 4.6
4 channels

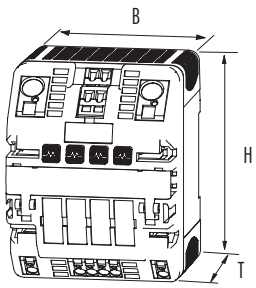
Circuit diagram



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	countersinked, 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 mm²
Output terminals	per output 1 x 4 mm²
Alarm terminals	2.5 mm²
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

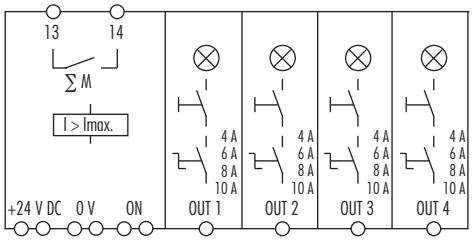
Supply voltage protection to EN 61131-2

Operating condition capacity to EN 61131-1

Approvals: c SP us
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	countersinked, 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 mm²
Output terminals	per output 1 x 4 mm²
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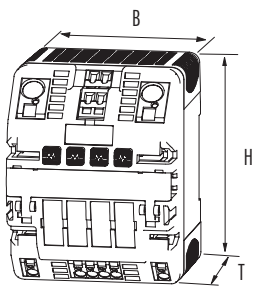

Accessories		Art.-No.
Bridging combs	for 10 modules	9000-41034-0000001

Notes