Module MR 6

» Hardware module with 6 relay outputs

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CONTROLS for FOODTECHNOLOGY

» OVERVIEW

Fig. MR 6

The **MR6 device is a relay output module** with 6 relays and **can only be used in combination with the aditec controllers MS 220, MIC 900, MIC 1100, MIC 3000, MKA 500 and MKA 800.** The CAN-BUS interface is used for **programming and communication with the basic unit.** The module is designed for **mounting on a DIN rail in control cabinets.**

The MR6 module can only be used in combination with the aditec controllers MS 220, MIC 900, MIC 1100, MIC 3000, MKA 500 or MKA 800!

» FEATURES

- **6x potential free relay outputs** (2 changeover contacts and 4 normally-open NO contacts), contact load max. 250V AC/4A
- **1x CAN interface** for communication with the basic unit and for programming
- The module can be connected **centralised** (no wiring needed for communication) or **decentralised** (via cable connection) to the basic units MS 220, MIC 900, MIC 1100, MIC 3000, MKA 500 or MKA 800 in separate control cabinets.

Basic devices:

- **MS 220**
  Extension with max. 9 MR 6 units
- **MIC 900 / MIC1100**
  Extension with max. 8 MR 6 units
- **MIC 3000**
  Extension with max. 6 MR 6 units
- **MKA 500 / MKA 800**
  Extension with max. 1 MR 6 unit

» LED STATUS DISPLAY

- **LED 1**= Power (lights up green)
- **LED 2**= Operation (lights up green)
- **LED 3**= Communication (flashes green)
- **LED 4**= Error (flashes red)

» TECHNICAL DATA

General data		
Dimensions	22,5 mm x 104 mm x 106,5 mm (W x H x D)	Without connection elements
Material	Robust stainless steel housing (1.4016)	Ideal for use in the food industry
Cooling	Passive (without fan)	
Own weight	Ca. 250 g	
Operating temperature	-20 to +65°C	
Storage temperature	-50 to +75°C	
Air humidity	35% - 80% (non-condensing)	
Atmosphere	Non-aggressive gases	
Protection class	IP20 according to EN 60529	
Electrical data		
Power supply	24V DC +25% -20%	
Residual ripple	5%	
Current consumption module	Max. 20mA at 24V DC	
Power consumption module	Max. 1,2W	With 6 controlled relay outputs

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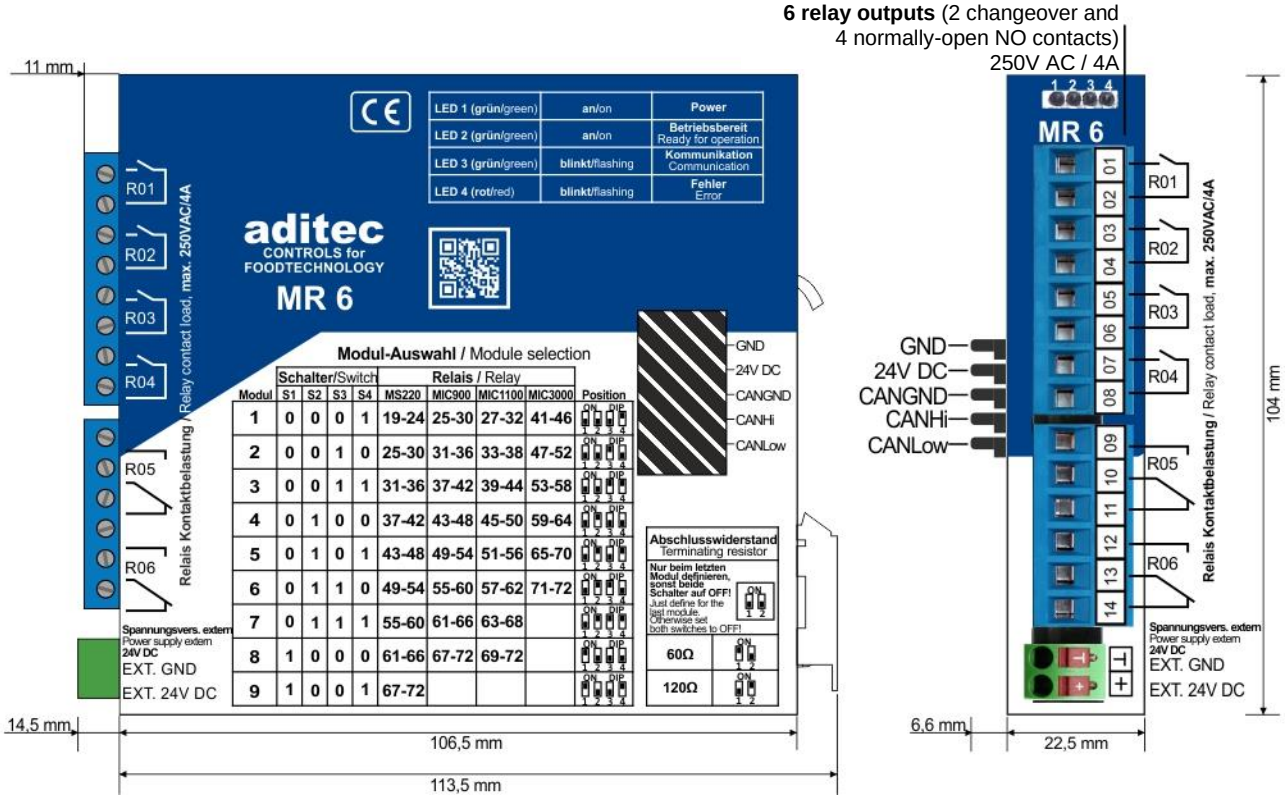
Electrical data		
External current consumption	Min. 70 mA Max. 600 mA	Depending on the number of the enabled outputs
External power supply	24V DC +/- 15%	For 24V Relais
Wire cross-section Braid with wire end sleeve Single wire flexible or fixed	 Min. 0,14 mm² max. 1,0 mm² Min. 0,14 mm² max. 1,5 mm²	Stripping length 11 mm
Electrical safety	According to DIN EN 61010-1 Overvoltage category III	
Electromagnetic compatibility	Emitted interference: Class A for industrial use Interference immunity: For industrial requirements	According to DIN EN 61326-1
Connections	Removable terminals in push-in technology (spring terminals)	Min. 0,14 mm², max. 1,5 mm² Wire cross-section with 10mm wire end sleeves
	Cable cage with screw	Min. 0,5 mm², max. 2,5 mm²
6x relay outputs		
R01 - R06	Potential free contacts, 2 changeover contacts and 4 normally-open NO contacts.	Max. contact load 250V AC/4A
Galvanic isolation		
Mains input 24V DC	2,5 kV	
Relay outputs	4 kV	

» DIMENSIONS / CONNECTION DIAGRAM

6 relay outputs (2 changeover and 4 normally-open NO contacts)
250V AC / 4A



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