

Module MT 16

» Hardware module with 16 transistor outputs

» OVERVIEW



Fig. MT 16

The **MT 16** device is a transistor output module with 16 channels and can **only be used in combination with the aditec controller MS 120**. 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 MT 16 module can only be used in combination with the aditec controller MS 120!

» FEATURES

- **16x 24V transistor outputs** for controlling external 24V relays
- **1x CAN interface** for communication with the basic unit and for programming
- A load current of max. 0,8A (16 x 50mA) is provided via terminals (for 24V relays).
- The module can be connected **centralised** (no wiring needed for communication) or **decentralised** (via cable connection) to the basic unit MS 120 in separate control cabinets.
- The basic unit **MS 120 has 24 transistor outputs**. With connection of **max. 6 MT16 modules there are up to 120 outputs available**.
- **Removable terminals in push-in technology** (spring terminals)

» 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	22,5m x 104mm x 106,5mm (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	

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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 16 controlled transistor outputs
External current consumption	Min. 16mA Max. 230mA	Depending on the number of the enabled outputs
External power supply	24V DC +/- 15%	For transistor outputs
Wire cross-section Braid with wire end sleeve Single wire flexible or fixed	Min. 0,14 mm ² max. 1,0 mm ² Min. 0,14 mm ² max. 1,5 mm ²	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 mm ² up to max. 1,5 mm ² Wire cross-section with 10mm wire end sleeves
16x digital transistor outputs		
Q01 - Q16	24V DC, max. 50mA per output	Expandable to a total of 120 outputs via max. 6 additional modules MT16 in connection with the basic unit MS120.
Galvanic isolation		
Mains input 24V DC	2,5 kV	
Transistor outputs	3,75 kV	

» DIMENSIONS / CONNECTION DIAGRAM

16 outputs 24V DC
(For controlling external coupling relays.)

