

MPCnet 8DO/16DO

Features

- 8 and 16 floating N/O contacts
- Galvanic isolation between the inputs and the system
- Activation of power contactors/SSRs
- Output of alarms

Description

The 8DO and 16DO output modules are suitable for indirectly switching heating cables by means of a power contactor.

In addition, the individually adjustable alarms can be outputted through the digital outputs.

They are operated and supplied with the aid of the MC32 controller. The internal, galvanically isolated bus connection is established by simply joining the modules together.

LEDs display the bus status signals and the status signals per channel.

See System Description for Installation Instructions.

Technical data

Enclosure material

Polyamide PA

Protection class (EN 60529)

IP 20

Electrical connections

plug-in screw-type terminal, 3-pole terminal range 0.2 to 2.5 mm² numbered

Attachment to mounting rail

TH 35-15 DIN EN 60715 (metal)

Dimensions (W x H x D)

8DO 41.0 mm x 100 mm x 114.5 mm

16DO 63.5 mm x 100 mm x 114.5 mm

Weight

8DO 253 g

16DO 368 g

Storage and transport temperature

-40 °C to +70 °C

Operating temperature

-40 °C to +46 °C

Degree of contamination

2

Electrical data

Number of Channels

8DO 8 outputs

16DO 16 outputs

floating contacts in each case

Contact rating

direct switching 4 A - AC 1, 250 V

by means of power contactor 0.5 A - AC 15, 230 V

Voltage supply

DC 24 V through internal bus

Current consumption

8DO max. 169 mA

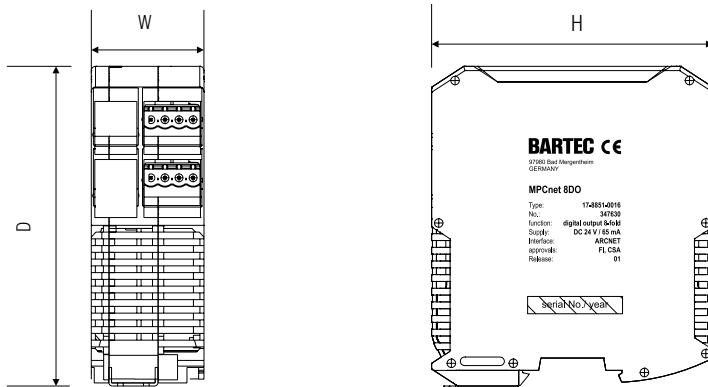
16DO max. 273 mA

Displays

LEDs in the front of the enclosure

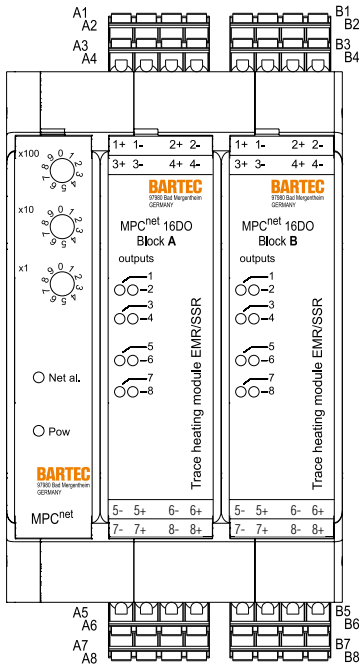
Status Net al. Pow. Output status

Dimensions (in mm)



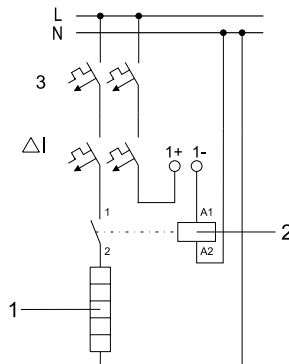
	W	H	D
8 DO	41,0	100	114,5
16 DO	63,5	100	114,5

Wiring diagram/terminal assignment



Terminal block	Terminal	Description	Terminal block	Terminal	Description
A1	1+	load/relay +	B1	1+	load/relay +
	1-	load/relay -		1-	load/relay -
A2	2+	load/relay +	B2	2+	load/relay +
	2-	load/relay -		2-	load/relay -
A3	3+	load/relay +	B3	3+	load/relay +
	3-	load/relay -		3-	load/relay -
A4	4+	load/relay +	B4	4+	load/relay +
	4-	load/relay -		4-	load/relay -
A5	5-	load/relay -	B5	5-	load/relay -
	5+	load/relay +		5+	load/relay +
A6	6-	load/relay -	B6	6-	load/relay -
	6+	load/relay +		6+	load/relay +
A7	7-	load/relay -	B7	7-	load/relay -
	7+	load/relay +		7+	load/relay +
A8	8-	load/relay -	B8	8-	load/relay -
	8+	load/relay +		8+	load/relay +

Example of connection



- 1 Heating tape
- 2 Power contactor, 0.5 A to AC 15, 250 V
- 3 Power circuit breaker, C characteristics



Order no.
Remote I/O module MPC^{net} 8DO
17-8851-0016

Remote I/O module MPC^{net} 16DO
17-8851-0017

Technical data subject to change without notice.