



MPC^{net} 8DI/16DI

Features

- Up to 16 inputs
- Galvanic isolation between the inputs and the system
- Monitoring of safety temperature limiters
- Monitoring of rcbs, contactors etc.

Description

The 8DI and 16DI digital input modules register and monitor diverse status signals. The inputs are floating, and this means that non-floating contacts are required for transmitting signals.

They are operated and supplied through the MC32 controller.

The internal, galvanically isolated bus connection is established by simply joining the modules together.

LEDs display the bus status messages and other status messages per channel.

See the System Description for the 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)

8DI 41.0 mm x 100 mm x 114.5 mm
16DI 63.5 mm x 100 mm x 114.5 mm

Weight

8DI 220 g
16DI 304 g

Storage and transport temperature

-40 °C to +70 °C

Operating temperature

-40 °C to +60 °C

Degree of contamination

2

■ Electrical data

Number of channels

8DI 8 inputs
16DI 16 inputs
each for connecting non-floating auxiliary contacts for rcbs, contactors, limiters, buttons etc.

Input loading capability

AC/DC 22 to 280 V, CAT II

Galvanic isolation

between inputs and internal bus

Voltage supply

DC 24 V through internal bus

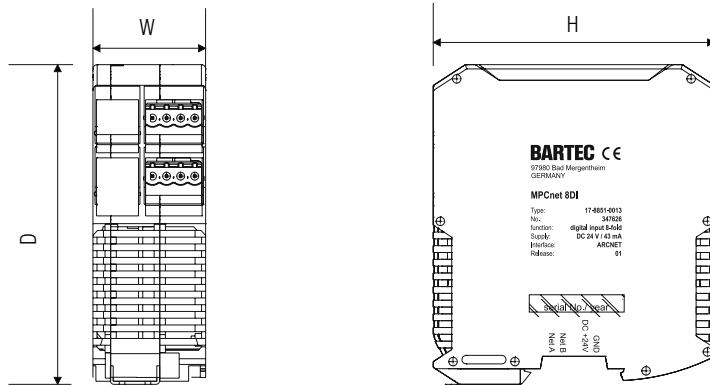
Current consumption

8DI 43 mA
16DI 65 mA

Displays

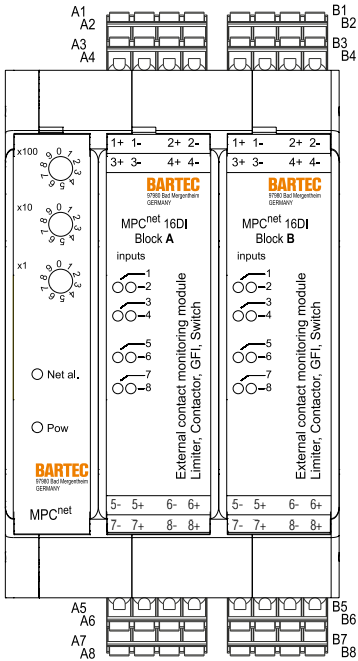
LEDs in the front of the enclosure:
Status Net al. Pow. Input status

Dimensions (in mm)



	W	H	D
8 DI	41.0	110	114.5
16 DI	63.5	110	114.5

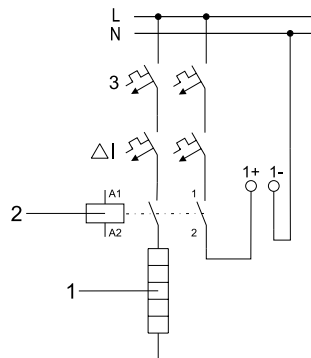
Wiring diagram/terminal assignment



Terminal block	Terminal	Description
A1	1+	L/signal +
	1-	N/signal -
A2	2+	L/signal +
	2-	N/signal -
A3	3+	L/signal +
	3-	N/signal -
A4	4+	L/signal +
	4-	N/signal -
A5	5-	L/signal -
	5+	N/signal +
A6	6-	L/signal -
	6+	N/signal +
A7	7-	L/signal -
	7+	N/signal +
A8	8-	L/signal -
	8+	N/signal +

Terminal block	Terminal	Description
B1	1+	L/signal +
	1-	N/signal -
B2	2+	L/signal +
	2-	N/signal -
B3	3+	L/signal +
	3-	N/signal -
B4	4+	L/signal +
	4-	N/signal -
B5	5-	L/signal -
	5+	N/signal +
B6	6-	L/signal -
	6+	N/signal +
B7	7-	L/signal -
	7+	N/signal +
B8	8-	L/signal -
	8+	N/signal +

Example of connection



- 1 Heating tape
- 2 Power contactor, 2 x N/C contacts
- 3 Capacity circuit breaker, C characteristics

➔ **Order no.**
Remote I/O module MPC^{net} 8DI
17-8851-0013
Remote I/O module MPC^{net} 16DI
17-8851-0014

Technical data subject to change without notice.