



BACring. The powerful control system  
for smoke dampers

# Technical Datasheet DPM-I2O2

[DUP] BACring - Control system

VERSION 1.14

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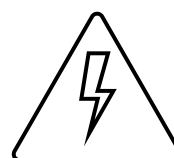


## Safety Instructions and Warranty Conditions

### WARNING: DANGER TO LIFE!



Before working on the device, it must be disconnected from the power supply (unplug the mains plug). Work on the device may only be carried out by a qualified electrician.

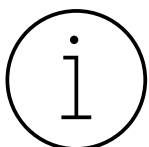


### Warranty Conditions



Installation and commissioning must be performed by a qualified electrician! Please read the technical data sheet before installation.

### Information



The individual modules are built and tested in accordance with applicable standards and laws and left the factory in perfect condition. To maintain this condition and ensure safe operation, the instructions contained in the user manual must be observed.

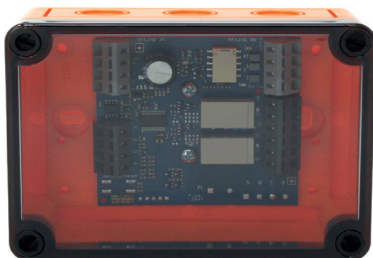
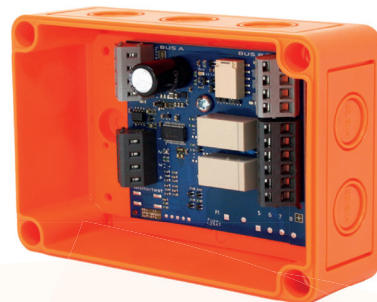
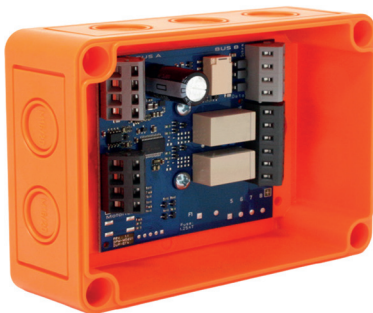


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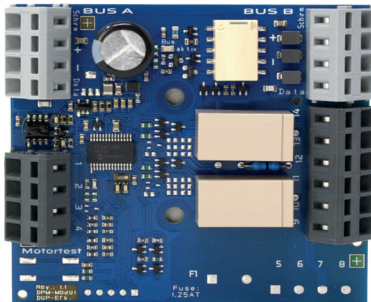
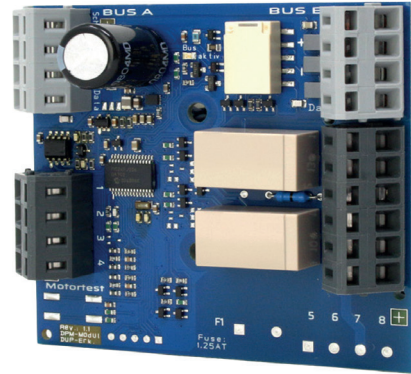
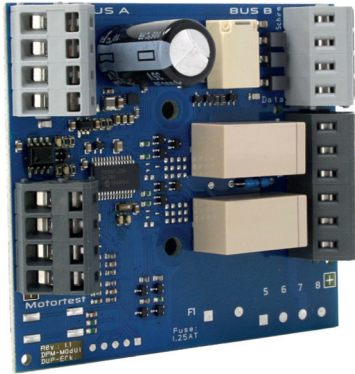


## Views





## Views





## Description

The DPM-I202 fieldbus module is preferably used in the field when the status of ventilation systems needs to be monitored and shutdown functions are to be implemented.

For this purpose, two potential-free switching outputs (5 A relays) as well as two digital inputs are available, allowing other switching scenarios to be implemented flexibly.

Communication with the BACring DPB-Buscontroller is carried out via the BACring bus protocol.

Thanks to its spring-loaded terminals, the module is completely maintenance-free and enables fast and secure wiring.

For applications with increased requirements regarding functional integrity, the DPM-I202 fieldbus module can be integrated into the DPH-Fire Safety-E90 enclosure.

In combination with the DPH-Fire Safety-E90 enclosure, the DPM-I202 fieldbus module fulfills the requirements of DIN EN 1363-1:2020-05 for functional integrity in accordance with Section 5.3.1 of MLAR 2005 and thus achieves the required functional integrity of at least 90 minutes.

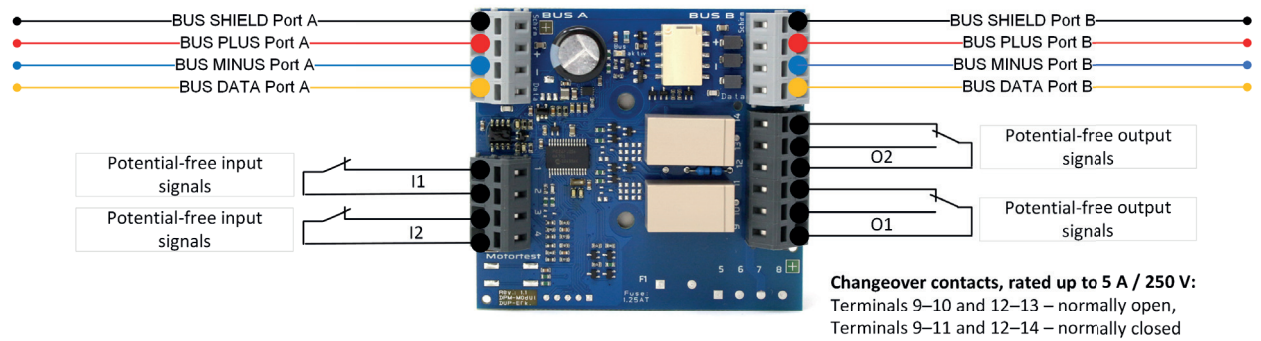


## Technical Data

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Supply bus           | 20 V DC $\pm$ 2 % (via DPB-Buscontroller)                                                                                                                                          |
| Indicators                 | Green LED for "BUS activity"                                                                                                                                                       |
| Operating keys             | None                                                                                                                                                                               |
| Bus protocol               | BACring protocol; Setting the outputs within 90 ms; Polling the inputs within < 1.5 s (independent of the size of the ring bus)                                                    |
| Digital inputs             | 2 digital inputs for limit contacts, not isolated, referring to bus ground                                                                                                         |
| Digital outputs ( relays ) | 2 relay outputs (bistable changeover contacts), galvanically isolated, each rated up to 5 A / 250 V, not fused                                                                     |
| Connectors                 | Bus ports : WAGO cage-clamp terminals type 236 , light gray;<br>Inputs : WAGO cage-clamp terminals type 236 , dark gray; Outputs : WAGO cage-clamp terminals type 236 , dark gray; |
| EMC conformity             | 2014/35/EU, EN61000-6-1, EN61000-6-3, EN61000-4-2..-5                                                                                                                              |
| Maintenance                | Maintenance-free                                                                                                                                                                   |
| Mounting                   | Wall mount                                                                                                                                                                         |
| Storage temperature        | -30° to +100°C                                                                                                                                                                     |
| Operation temperature      | -20° to +75°C                                                                                                                                                                      |
| Humidity                   | Storage: 0% - 100%, non-condensing; Operation: 0% - 100%, non-condensing                                                                                                           |
| Protection Class           | IP 66 (M16, M20 without screws)                                                                                                                                                    |
| Dimensions (W x H x D)     | 130 mm x 57 mm x 94 mm                                                                                                                                                             |
| Housing                    | Spelsberg (TK PS 1309-6-tm)                                                                                                                                                        |
| Weight                     | Approx. 0.4 kg                                                                                                                                                                     |



## Connection Diagram



### Connection diagram

DPM-I202 fieldbus module,  
Status • 2026-02-11