

## Overview

### Product information



**DF50-M-16DO-N-30050002552**

Digital output module, 16 outputs, NPN, 24VDC

### Product advantages

- ☑ The digital output module can transmit binary signals from automation equipment to the connected actuators (solenoid valves, etc.).
- ☑ 16 channel digital output, NPN low level effective.
- ☑ Each output module is equipped with an anti-interference filter.
- ☑ Each output module comes with LED indicator lights.
- ☑ Isolation is achieved between the on-site layer and the system layer through optocouplers.
- ☑ Protection level IP20.

### Product certification

## Technical data

### Product drawing

### 3D model

□

### Technical Information

|                                        |                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------|
| Switching frequency (inductive)        | 0.2Hz                                                                                               |
| Load type                              | Inductive (7.2W/point, 24W/module), resistive (0.5A/point, 4A/module), light (5W/point, 18W/module) |
| System feed current                    | <30ma                                                                                               |
| Reverse circuit protection             | Yes                                                                                                 |
| Working voltage                        | 24V DC+20%/-15%                                                                                     |
| Signal voltage of '0'                  | High resistance state                                                                               |
| Signal voltage of '1'                  | 0V                                                                                                  |
| Switching frequency (resistive, light) | <1000Hz                                                                                             |

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Line type                        | 1-wire system                          |
| Protection circuit response time | <100µs                                 |
| Number of channels               | 16                                     |
| Data size                        | 2 Byte                                 |
| Signal type                      | NPN                                    |
| Isolation method                 | Isolation from on-site optoelectronics |

Environmental requirements

|                     |                            |
|---------------------|----------------------------|
| Protection type     | IP20                       |
| working temperature | -25... 60 °C               |
| Storage temperature | -40... 85 °C               |
| relative humidity   | 5... 95% RH (condensation) |

Wiring parameters

|                                       |                              |
|---------------------------------------|------------------------------|
| The maximum crimping area of the wire | 1.5mm²                       |
|                                       | 0.14mm²                      |
| Maximum crimping area of wire (AWG)   | AWG16                        |
| Connection technology: input/output   | PUSH-IN type terminal blocks |
| Strip length                          | 8-10mm                       |
| Installation method                   | DIN-35 type guide rail       |

Accessories

Business data

|                        |             |
|------------------------|-------------|
| Order number           | 30050002552 |
| Packing unit           | 1           |
| Minimum order quantity | 1           |

|                                     |     |
|-------------------------------------|-----|
| Products weight (without packaging) | 60g |
|-------------------------------------|-----|