## Overview

### Product information



# DF20-M-8DIO-N-30050000320

Digital I/O module, 8DI+8DO NPN, 24VDC

### Product advantages

☑ The digital input/output module can receive control signals from field devices (such as sensor actuators, etc.).
☑ 16-channel digital input/output, 8DI+8DO,NPN valid.
☑ Each input module has an anti-interference filter.
☑ Each input module has an LED indicator.
☑ The field layer and the system layer are isolated by photoelectric couplers.
☑ Protection level IP20.

### Product certification

## Technical data

### Product drawing

### 3D model

### Technical Information

| | |
|---|---|
| System feed current | <75mA |
| Reverse circuit protection | Yes |
| Error diagnosis | Yes |
| Working voltage | 24V DC+20%/-15% |
| Switching frequency (resistive, light) | <1000Hz |
| Maximum current output per channel | 500mA |
| Protection circuit response time | <100µs |
| Number of channels | 16 |

| | |
|---|---|
| Data size | 2 Byte |
| Signal type | PNP |
| Isolation method | Isolation from on-site optoelectronics |

Environmental requirements

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|---|---|
| Protection type | IP20 |
| Relative humidity (non condensing) | 5-95% RH |
| working temperature | -25... 60 ℃ |
| Storage temperature | -40... 85 ℃ |

Wiring parameters

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|---|---|
| Provide internal system voltage | 5VDC |
| The maximum crimping area of the wire | 1.5mm² |
| | 0.14mm² |
| Maximum crimping area of wire (AWG) | AWG16 |
| | AWG26 |
| Connection technology: input/output | PUSH-IN type terminal blocks |
| Installation method | DIN-35 type guide rail |
| External dimensions (HXWXD) | 100mm X 48mm X 69mm |
| Provide internal system current | Max.2A |

Electrical parameters

| | |
|---|---|
| Input signal type | NPN type sensors, range switches, contact points, etc |

## Accessories

## Business data

| | |
|---|---|
| Order number | 30050000320 |

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|---|---|
| Packing unit | 1 |
| Minimum order quantity | 1 |
| Products weight (without packaging) | 60g |