



Subject to changes. Please also observe the further product documentation!



Item description

This three-part digital output module is a 1-wire device featuring 16 channels in a width of just 12 mm (0.47 inch).

The module consists of a base module, an electronic module and a pluggable connector.

It transmits binary control signals from an automation device to connected actuators (e.g., magnetic valves, contactors, transmitters, relays or other electrical loads).

The module features Push-in CAGE CLAMP® connections, enabling solid conductors to be connected by simply pushing them in.

A green LED indicates the signal state of each channel.

Field and system levels are electrically isolated.

Data

Technical data

Device-specific

Synchronization mode: time-synchronized, freewheeling

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



| | |
|--|---|
| Number of digital outputs | 8 |
| Total number of channels (module) | 8 |
| Signal type | Voltage Voltage |
| Signal type (voltage) | 24 VDC |
| Output characteristic | Semiconductor, high-side switching |
| Output current per channel | 0.5 A |
| Output current (module) | 8 A |
| Protection against incorrect wiring | short-circuit-protected self-resetting |
| Switching frequency (max.) | 1 kHz; Resistive load |
| Switching frequency (max.) (2) | 3 Hz; Inductive load |
| Switching frequency (max.) (3) | 500 Hz; Lamp load |
| Load type | Resistive: 48 Ω ... 16 kΩ, at 24 V; Inductive: DC13; Lamp load: up to 5 W |
| Output voltage | 24 VDC |
| Data width | 16-bit channel status |
| Supply voltage (field) | 24 VSELV DC (-25 ... +30 %); UF |
| Current consumption, field supply (module with no external load) | 26 mA |
| Power loss P_l | 1.6 W |
| Isolation, Field/System | min. 1000 VDC (1 min); per EN/UL 61010-2-201 |
| Number of incoming power jumper contacts | 2 |
| Number of outgoing power jumper contacts | 2 |
| Current carrying capacity (power jumper contacts) | 12 A |
| Marking | CI I, Div. 2, Group A, B, C, D, T4 |

Connection data

| | |
|--------------------------------|--|
| Connection type 1 | Inputs/outputs |
| Solid conductor | 0.25 ... 1.5 mm ² / 22 ... 16 AWG |
| Fine-stranded conductor | 0.25 ... 1.5 mm ² / 22 ... 16 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Note (conductor cross-section) | Insulated ferrule: 0.75 mm ² (max.) |

Physical data

| | |
|--------|-----------------------|
| Width | 12 mm / 0.472 inches |
| Height | 105 mm / 4.134 inches |
| Depth | 75 mm / 2.953 inches |

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Mechanical Data

| | |
|---------------|-------------|
| Mounting type | DIN-35 rail |
|---------------|-------------|

Material Data

| | |
|--------------------|----------|
| Fire load | 0.062 MJ |
| Weight | 73 g |
| Conformity marking | CE |

Environmental requirements

| | |
|--|---|
| Ambient temperature (operation) | -25 ... +60 °C (horizontal, typical control cabinet installation; -25 ... +50 °C, other mounting positions) |
| Ambient temperature (storage) | -40 ... +85 °C |
| Protection type | IP20 |
| Pollution degree | 2 |
| Operating altitude | without temperature derating: 0 ... 2000 m; with temperature derating: 2000 ... 3000 m (0.5 K/100 m) |
| Mounting position | horizontal, typical for control cabinets (nominal mounting position); horizontal (floor mounting position); standing (vertical at bottom) |
| Relative humidity (without condensation) | 95 % |
| EMC immunity to interference | per EN 61000-6-1, -2 |
| EMC emission of interference | per EN 61000-6-3, -4 |

Commercial data

| | |
|-----------------------|---------------|
| Recupel Type | |
| PU (SPU) | 1 pcs |
| Country of origin | DE |
| GTIN | 4055143975544 |
| Customs tariff number | 85371098990 |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
| | UL | UL 61010-2-201 | E175199 |

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Underwriters Laboratories Inc. (ORDINARY LOCATIONS)

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------------------------------|---------------------------------|------------------|
| | BV Bureau Veritas S.A. | Rules for class. of Steel Ships | 66432/A0 |
| | DNV DNV Germany GmbH | DNV-CG-0339, Aug. 2021 | TAA000031M |

Approvals for hazardous areas

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201 | E198726 |

Installation Notes

Product family

WAGO I/O System Advanced
[Show all products from the family](#)

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