

Data sheet | Item number: 750-530/025-000

8-channel digital output; 24 VDC; 0.5 A; Ext. Temperature

www.wago.com/750-530/025-000**Item description**

This digital output module features eight channels in a width of just 12 mm (0.47 inch).

The module transmits control signals from the automation device to the connected actuators.

All outputs are short-circuit-protected.

Field and system levels are electrically isolated.

Data**Technical data**

| | |
|--|---|
| Number of digital outputs | 8 |
| Total number of channels (module) | 8 |
| Signal type | Voltage |
| Voltage signal type | DC 24 V |
| Actuator connection | 8 x (1-wire) |
| Output characteristic | high-side switching |
| Output current per channel | 0.5 A |
| Output current | short-circuit-protected |
| Switching frequency (max.) | 2 kHz |
| Load type | Resistive, inductive, lamp load |
| Inductive load switch-off energy dissipation (max.) | 0.9 J |
| Output (internal) data width (max.) | 8 Bit |
| Supply voltage (system) | 5 VDC; via data contacts |
| Power consumption (5 V system supply) | 25 mA |
| Supply voltage (field) | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |
| Power consumption, field supply (module with no external load) | 15 mA |
| Isolation | 500 V system/field |
| Indicators | LED (A-H) green: Status DO 1 ... DO 8 |
| Number of incoming power jumper contacts | 2 |
| Number of outgoing power jumper contacts | 2 |
| Current carrying capacity (power jumper contacts) | 10 A |

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

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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.

Data sheet | Item number: 750-530/025-000www.wago.com/750-530/025-000**Connection data**

| | |
|---------------------------------------|--|
| Connection technology: inputs/outputs | 8 x CAGE CLAMP® |
| Connection type (1) | Inputs/Outputs |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inch |

Physical data

| | |
|-----------------------------------|----------------------|
| Width | 12 mm / 0.472 inch |
| Height | 100 mm / 3.937 inch |
| Depth | 67.8 mm / 2.669 inch |
| Depth from upper edge of DIN-rail | 60.6 mm / 2.386 inch |

Mechanical data

| | |
|------------------|-------------|
| Mounting type | DIN-35 rail |
| Wiring interface | Fixed |

Material data

| | |
|--------------------|------------------------------|
| Color | light gray |
| Housing material | Polycarbonate; polyamide 6.6 |
| Fire load | 0.876 MJ |
| Weight | 49 g |
| Conformity marking | CE |

Environmental requirements

| | |
|--|---|
| Surrounding air temperature (operation) | -20 ... 60 °C |
| Surrounding air temperature (storage) | -40 ... 85 °C |
| Protection type | IP20 |
| Pollution degree (5) | 2 per IEC 61131-2 |
| Operating altitude | 0 ... 2000 m |
| Mounting position | horizontal (standing/lying); vertical |
| Relative humidity (without condensation) | 95 % |
| Relative humidity (with condensation) | Short-term condensation per Class 3K6/IEC EN 60721-3-3 and E-DIN 40046-721-3, accounting for a temperature range of -20 to +60 °C (except for wind-driven precipitation, water and ice formation) |

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| | |
|--|---------------------------------------|
| Vibration resistance | 4g per IEC 60068-2-6 |
| Shock resistance | 15g per IEC 60068-2-27 |
| EMC immunity to interference | per EN 61000-6-2, marine applications |
| EMC emission of interference | per EN 61000-6-4, marine applications |
| Exposure to pollutants | Per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible H ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |




Approvals / Certificates**Ex-Approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201 | E198726 Sec.1 |

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|-----------------------------|
|  | KC National Radio Research Agency | Article 58-2, Clause 3 | MSIP- REM-W43- DOM750 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 19- HG1821812- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAA00001J4 |
|  | LR Lloyds Register | - | LR_19_20048 |
| | PRS | - | TE/2237 |

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Polski Rejestr Statków

/880590/19

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | UL UL International Netherlands B.V. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.1 |

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