

UM-2KS50/16DO/RS/MKDS - Output module



2900175

<https://www.phoenixcontact.com/us/products/2900175>

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16-channel digital output module with screw connection and redundant voltage supply. Suitable for Yokogawa SDV 541 card.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2900175 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | DK2A8N |
| GTIN | 4046356484039 |
| Weight per piece (including packing) | 554.6 g |
| Weight per piece (excluding packing) | 570 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|------------------|
| Product type | Interface module |
| Number of positions | 50 |
| No. of channels | 16 |

Insulation characteristics: Air clearances and creepage distances

| | |
|----------------------|-----------------------|
| Insulation | Functional insulation |
| Overvoltage category | II |
| Pollution degree | 2 |

Electrical properties

| | |
|------------------------|-------------------|
| Operating voltage (DC) | 24 V DC \pm 5 % |
| Current (per branch) | \leq 100 mA |

Air clearances and creepage distances

| | |
|--------------------------|-------------------------|
| Rated insulation voltage | 50 V |
| Rated surge voltage | 0.5 kV (1.2/50 μ s) |

Supported controller: YOKOGAWA ProSafe-RS

| | |
|-------------------|--------|
| Suitable I/O card | SDV541 |
|-------------------|--------|

Connection data

Field level

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Number of positions | 32 |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section AWG | 24 ... 14 |

Controller level

| | |
|-----------------------|-------------------------|
| Connection method | Yokogawa, KS compatible |
| Number of connections | 2 |
| Number of positions | 50 |
| Tightening torque | 0.5 Nm |

Supply

| | |
|-----------------------|-----------|
| Connection method | pluggable |
| Number of connections | 1 |
| Number of positions | 6 |

Signaling

| | |
|------------------------|--|
| Status display | Green LED (supply), yellow LED (channel) |
| Status display present | yes |

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Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 161.6 mm |
| Height | 111.8 mm |
| Depth | 93.05 mm |

Material specifications

| | |
|-------|------------------|
| Color | green (RAL 6021) |
|-------|------------------|

Environmental and real-life conditions

Ambient conditions

| | |
|--|--------------------------------|
| Degree of protection | IP00 |
| Degree of protection (Installation location) | ≥ IP54 (Installation location) |
| Ambient temperature (operation) | -20 °C ... 70 °C |
| Altitude | < 2000 m |

Standards and regulations

Air clearances and creepage distances

| | |
|-----------------------|----------------|
| Standards/regulations | EN IEC 60664-1 |
|-----------------------|----------------|

Mounting

| | |
|-------------------|-------------------|
| Mounting type | DIN rail mounting |
| Mounting position | any |

Notes

| | |
|--------------------|--|
| Notes on operation | Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display. |
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2900175>



EAC

Approval ID: RU*-DE.*08.B.01829*

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002780 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1) |
| SCIP | 44c5c5c6-d3b3-4a42-a666-28ce6a1942a4 |

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