

UM-32 OM- 24DC/48DC/I/M/PLC - Active module

2394979

<https://www.phoenixcontact.com/us/products/2394979>



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Module with 32 electrically isolated optocouplers, input 24 V DC (for input cards of the Delta V control system)



Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2394979 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | DK2191 |
| GTIN | 4017918995812 |
| Weight per piece (including packing) | 540.9 g |
| Weight per piece (excluding packing) | 402.16 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|-----------------|------------------|
| Product type | Interface module |
| No. of channels | 32 |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 2 |

Electrical properties

| | |
|---------------------|-------------------------|
| Rated surge voltage | 4 kV (Basic insulation) |
|---------------------|-------------------------|

Supported controller EMERSON DeltaV

| | |
|-------------------|--------------|
| Suitable I/O card | VE4001S2T2B5 |
|-------------------|--------------|

Input data

| | |
|---|------------------|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Typical input current at U_N | 7.6 mA |
| Switching threshold "0" signal, voltage | ≤ 12 V DC |
| Switching threshold "1" signal voltage | ≥ 19.2 V DC |
| Transmission frequency | 100 Hz |

Output data

| | |
|-------------------------|---------------------|
| Switching | |
| Nominal supply voltage | 24 V DC |
| Supply voltage range | 10 V DC ... 48 V DC |
| Continuous load current | 10 mA |
| Status display | LED (yellow) |

Connection data

| | |
|----------------------------------|---|
| Field level | |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of connections | 66 |
| Number of positions | 6 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Controller level

| | |
|-------------------|-------------------|
| Connection method | IDC/FLK pin strip |
|-------------------|-------------------|

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| | |
|-----------------------|---------|
| Number of connections | 1 |
| Number of positions | 50 |
| Pitch | 2.54 mm |

Signaling

| | |
|------------------------|-----|
| Status display present | yes |
|------------------------|-----|

Dimensions

| | |
|--------|----------|
| Width | 240 mm |
| Height | 125.5 mm |
| Depth | 66 mm |

Material specifications

| | |
|-----------------------------|------------------------------------|
| Color | green (RAL 6021) |
| Housing insulation material | PVC, side panel PA non-reinforced, |

Environmental and real-life conditions

| | |
|---|------------------|
| Ambient conditions | |
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Standards and regulations

| | |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
|-----------------------|--------------|

Mounting

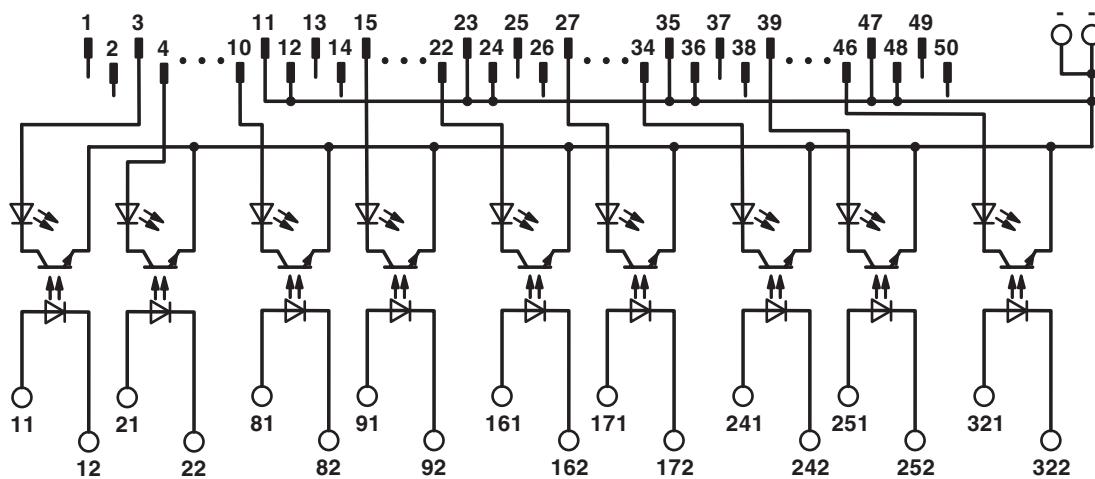
| | |
|-------------------|---------------------------|
| Mounting type | DIN rail mounting |
| Assembly note | in rows with zero spacing |
| Mounting position | any |

Notes

| | |
|--------------------|--|
| 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. |
|--------------------|--|

Drawings

Connection diagram



Environmental product compliance

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.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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