

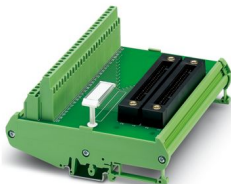
UM-2KS50/UNI/CS - Universal module



2319427

<https://www.phoenixcontact.com/us/products/2319427>

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Universal module for connecting to up to 32 channel digital Yokogawa cards, 1:1 connection of the Yokogawa system connector on screw terminal block connection.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2319427 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C429 |
| Product key | CK218N |
| GTIN | 4046356361651 |
| Weight per piece (including packing) | 367.7 g |
| Weight per piece (excluding packing) | 367 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

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

Data management status

| | |
|------------------|----|
| Article revision | 05 |
|------------------|----|

Insulation characteristics: Air clearances and creepage distances

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

Electrical properties

| | |
|------------------------|----------------|
| Operating voltage (DC) | ≤ 30 V DC |
| Current (per branch) | ≤ 0.1 A |

Air clearances and creepage distances

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

Supported controller YOKOGAWA CS3000 CentumVP

| | |
|-------------------|--------|
| Suitable I/O card | ADV151 |
| | ADV161 |
| | ADV551 |
| | ADV561 |

Supported controller YOKOGAWA STARDOM

| | |
|-------------------|---------|
| Suitable I/O card | NFDV151 |
| | NFDV161 |
| | NFDV551 |
| | NFDV561 |

Connection data

Connection 1 (control level)

| | |
|-----------------------|--|
| Connection method | Yokogawa KS-compatible |
| Number of connections | 2 |
| Number of positions | 50 |
| Note | Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331 |
| Tightening torque | 0.5 Nm |
| Pitch | 2.54 mm |

Connection 2 (field level)

| | |
|-------------------|------------------|
| Connection method | Screw connection |
|-------------------|------------------|

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| | |
|---|--|
| Stripping length | 7 mm |
| Screw thread | M3 |
| Number of positions | 52 |
| Conductor cross section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| Conductor cross section flexible | 0.2 mm² ... 2.5 mm² |
| | 0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve) |
| | 0.25 mm² ... 2.5 mm² (Ferrule with plastic sleeve) |
| Conductor cross section flexible (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| | 0.25 mm² ... 0.75 mm² (Ferrule without plastic sleeve) |
| | 0.5 mm² ... 0.5 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross section AWG | 24 ... 12 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Signaling

| | |
|------------------------|----|
| Status display present | No |
|------------------------|----|

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 139.5 mm |
| Height | 125.4 mm |
| Depth | 65.9 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|------------------|
| Degree of protection (Module) | IP00 |
| Degree of protection (Installation location) | ≤ IP54 |
| Ambient temperature (operation) | -20 °C ... 65 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | ≤ 2000 m |

Approvals

UKCA

| | |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

Standards and regulations

Air clearances and creepage distances

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

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

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| | |
|-------------------|-----|
| Mounting position | any |
|-------------------|-----|

Notes

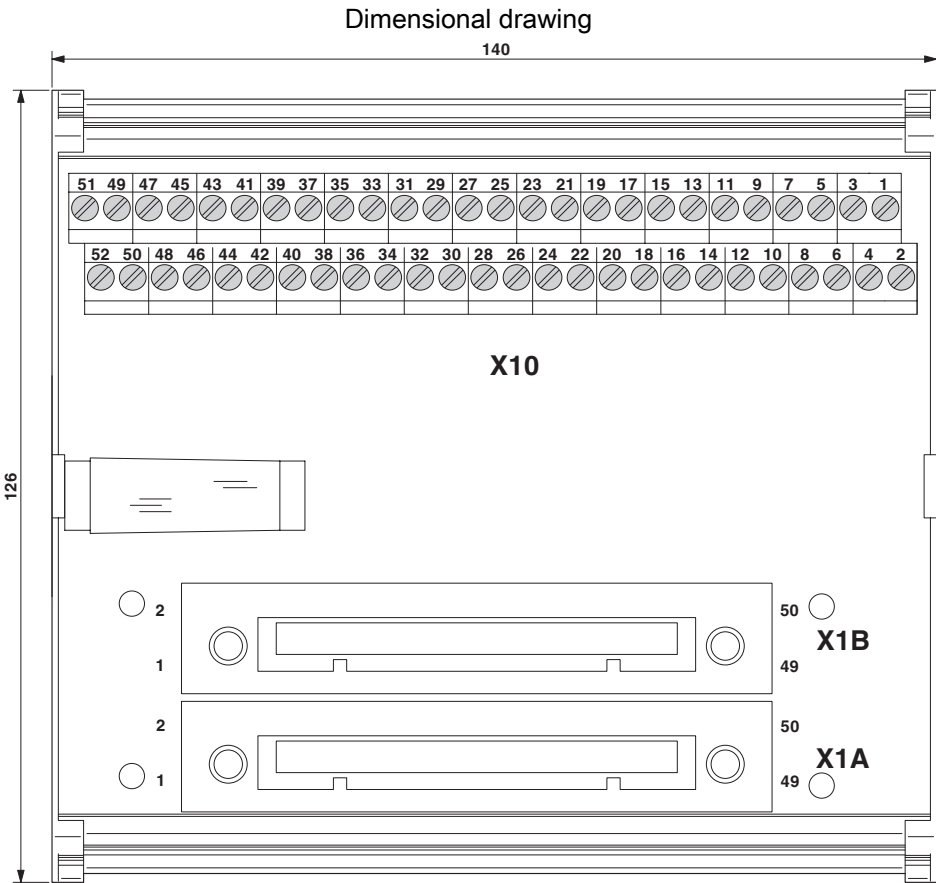
| | |
|--------------------|--|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |
|--------------------|--|

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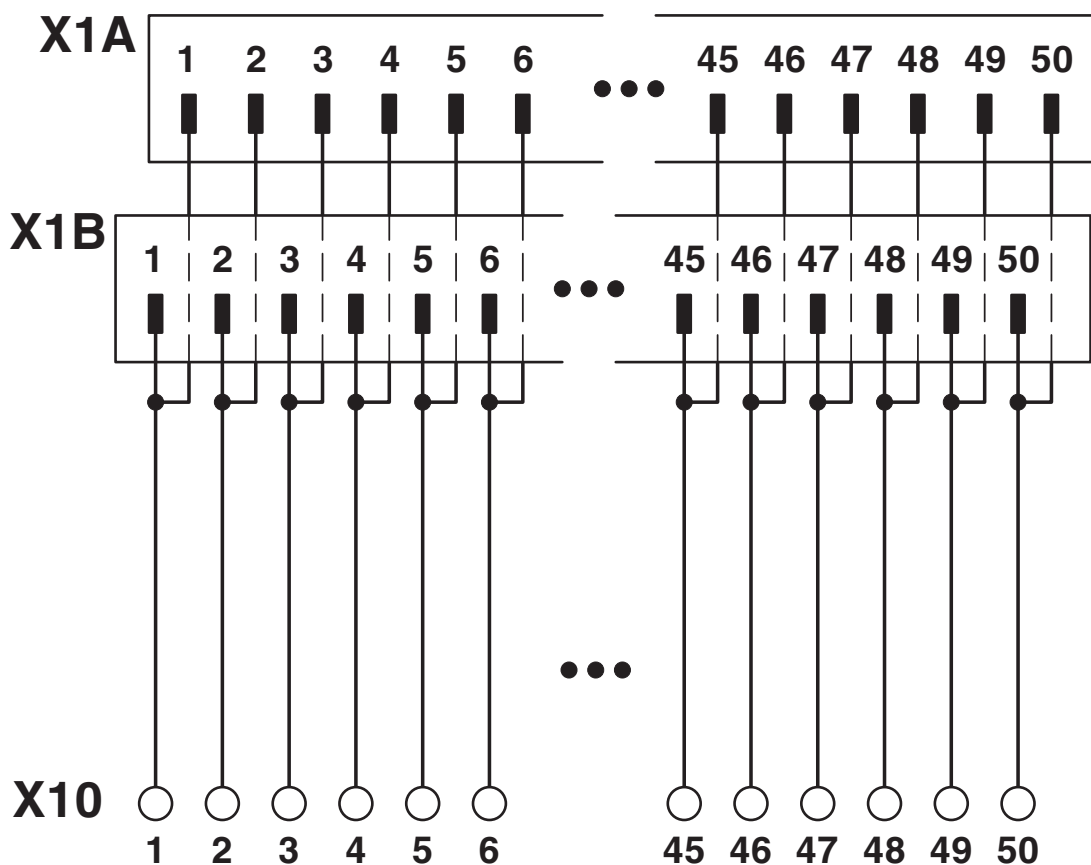


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Drawings



Circuit diagram



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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141152 |
| ECLASS-12.0 | 27141152 |
| ECLASS-13.0 | 27141152 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002780 |
|----------|----------|

UNSPSC

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

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Environmental product compliance

| | |
|---|--|
| EU RoHS | |
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
| China RoHS | |
| Environment friendly use period (EFUP) | EFUP-E |
| | No hazardous substances above the limits |
| EU REACH SVHC | |
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |

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