

# CABLE-50/4FLK14/15,0M/YUC - Front adapter



2322773

<https://www.phoenixcontact.com/us/products/2322773>

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Cast Yokogawa front adapter with attached round cable and an injection-molded 50-pos. socket strip for the connection of 4 x 8 channels on the field side. Cable length: 15.0 m

## Your advantages

- Four 14-pos. connectors on the module side for connecting four 8-channel VARIOFACE modules of the system cabling
- Lateral cable outlet of the I/O module

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2322773                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | DK222N                         |
| GTIN                                 | 4046356450805                  |
| Weight per piece (including packing) | 2,858.9 g                      |
| Weight per piece (excluding packing) | 2,858.9 g                      |
| Customs tariff number                | 85444290                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|              |               |
|--------------|---------------|
| Product type | Front adapter |
|--------------|---------------|

### Electrical properties

|                        |                       |
|------------------------|-----------------------|
| Operating voltage (DC) | ≤ 30 V DC             |
| Nominal operating mode | 100% operating factor |
| Current (Per path)     | ≤ 500 mA (uncoiled)   |

Supported controller: YOKOGAWA CS3000 CentumVP

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

Supported controller: YOKOGAWA STARDOM

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

### Connection data

#### Connection 1

|                                  |                                |
|----------------------------------|--------------------------------|
| Connection in acc. with standard | IEC 60603-13 (in compliance)   |
| Connection method                | Yokogawa, I/O cards compatible |
| Number of connections            | 1                              |
| Number of positions              | 50                             |
| Tightening torque                | 0.5 Nm (Screw connection)      |
| Insertion/withdrawal cycles      | > 50                           |
| Pitch                            | 2.54 mm                        |

#### Connection 2

|                                  |                              |
|----------------------------------|------------------------------|
| Connection in acc. with standard | IEC 60603-13 (in compliance) |
| Connection method                | IDC/FLK socket strip         |
| Number of connections            | 4                            |
| Number of positions              | 14                           |
| Insertion/withdrawal cycles      | > 50                         |
| Pitch                            | 2.54 mm                      |

### Dimensions

#### Cable

|        |      |
|--------|------|
| Length | 15 m |
|--------|------|

### Cable/line

#### 50X0.14 [PVC]

|                     |           |
|---------------------|-----------|
| UL AWM Style        | 2464/1061 |
| Number of positions | 50        |

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|   |   |
|---|---|
| Shielded                                      | yes   |
| Cable type                                    | 50X0.14 [PVC]   |
| Conductor type                                | Assembled shielded round cable                                    |
| Conductor structure signal line               | 7x 0.16 mm  |
| AWG signal line                               | 26  |
| Conductor cross-section                       | 50x 0.14 mm <sup>2</sup>  |
| Wire diameter incl. insulation                | 1 mm ±0.03 mm   |
| External cable diameter                       | 11.00 mm ±0.3 mm  |
| Outer sheath, material                        | Semi-rigid PVC  |
| External sheath, color                        | gray  |
| Conductor material                            | Tin-plated Cu litz wires  |
| Cable resistance                              | ≤ 145 Ω/km (at 20 °C)   |
| Insulation resistance                         | ≥ 20 MΩ*km (20 °C)  |
| Smallest bending radius, fixed installation   | 114 mm  |
| Smallest bending radius, movable installation | 205 mm  |
| Dynamic load capacity (bending)               | Max. bending cycles: 5000 (at a radius of ≥ 18x outside diameter) |
| Halogen-free                                  | no  |
| Flame resistance                              | IEC 60332-1-2 (raw cable)   |
|   | VDE 0842, Part 332-1-2 (raw cable)                                |
|   | IEC 60332-3-22 (raw cable)  |
|   | UL VW-1   |
|   | CSA FT-1  |
| Resistance to oil                             | can withstand occasional splashes (raw cable)                     |
| Cable type                                    | Splitting cable for four modules                                  |

## Environmental and real-life conditions

### Ambient conditions

|   |  |
|---|--|
| Degree of protection                                    | IP20                                     |
| Degree of protection (Installation location)            | ≥ IP54 (Installation location)           |
| Ambient temperature (operation) (fixed installation)    | -40 °C ... 70 °C (fixed installation)    |
| Ambient temperature (operation) (flexible installation) | -10 °C ... 70 °C (flexible installation) |
| Ambient temperature (storage/transport)                 | -40 °C ... 80 °C                         |
| Altitude  | ≤ 2000 m                                 |

## Approvals

### UKCA

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

## 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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## Drawings

Connection diagram

| 50-pos.<br>connector to<br>the I/O card | 4 x 14-pos.<br>connector to<br>the module |    | Wire color    |
|---|---|----|---------------|
| 1                                       | Byte 0                                    | 1  | black         |
| 3                                       |   | 2  | brown         |
| 5                                       |   | 3  | red           |
| 7                                       |   | 4  | orange        |
| 9                                       |   | 5  | yellow        |
| 11                                      |   | 6  | green         |
| 13                                      |   | 7  | blue          |
| 15                                      |   | 8  | Violet        |
| 41                                      |   | 9  | gray          |
| 39                                      |   | 10 | White         |
| 17                                      | Byte 1                                    | 1  | white-black   |
| 19                                      |   | 2  | white-brown   |
| 21                                      |   | 3  | white-red     |
| 23                                      |   | 4  | white-orange  |
| 25                                      |   | 5  | White-yellow  |
| 27                                      |   | 6  | white-green   |
| 29                                      |   | 7  | white-blue    |
| 31                                      |   | 8  | white-violet  |
| 43                                      |   | 9  | white-gray    |
| 37                                      |   | 10 | brown-black   |
| 2                                       | Byte 2                                    | 1  | brown-red     |
| 4                                       |   | 2  | brown-orange  |
| 6                                       |   | 3  | brown-yellow  |
| 8                                       |   | 4  | brown-green   |
| 10                                      |   | 5  | brown-blue    |
| 12                                      |   | 6  | brown-violet  |
| 14                                      |   | 7  | brown-gray    |
| 16                                      |   | 8  | brown-white   |
| 42                                      |   | 9  | green-black   |
| 36                                      |   | 10 | green-brown   |
| 18                                      | Byte 3                                    | 1  | green-red     |
| 20                                      |   | 2  | green-orange  |
| 22                                      |   | 3  | green-blue    |
| 24                                      |   | 4  | green-violet  |
| 26                                      |   | 5  | green-gray    |
| 28                                      |   | 6  | green-white   |
| 30                                      |   | 7  | yellow-black  |
| 32                                      |   | 8  | yellow-brown  |
| 44                                      |   | 9  | yellow-red    |
| 34                                      |   | 10 | yellow-orange |

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2322773>



### EAC

Approval ID: RU\*-DE.HB\*35.B00385



### UL Listed

Approval ID: E238705

|       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine |                       |                       |                   |                             |
|       | 125 V                 | 0.5 A                 | -                 | -                           |



### cUL Listed

Approval ID: E238705

|       | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|-------|-----------------------|-----------------------|-------------------|-----------------------------|
| keine |                       |                       |                   |                             |
|       | 125 V                 | 0.5 A                 | -                 | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242292 |
| ECLASS-15.0 | 27242292 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002584 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151600 |
|-------------|----------|

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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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