

FLK 50-PA/EZ-DR/KS/1000/YUC - Front adapter



2314325

<https://www.phoenixcontact.com/us/products/2314325>

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Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 10.0 m

Your advantages

- Molded connectors
- Can be screwed on
- Lateral cable outlet of the I/O module
- KS/AKB-compatible connectors on the module side

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2314325 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | CK2154 |
| Catalog page | Page 514 (C-5-2019) |
| GTIN | 4046356101974 |
| Weight per piece (including packing) | 2,024 g |
| Weight per piece (excluding packing) | 1,992 g |
| Customs tariff number | 85444290 |
| Country of origin | CN |

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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 |

Supported controller YOKOGAWA ProSafe-RS

| | |
|-------------------|--------|
| Suitable I/O card | SDV541 |
| | SDV144 |
| | SDV521 |

Connection data

Connection 1

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

Dimensions

Cable

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| | |
|--------|------|
| Length | 10 m |
|--------|------|

Cable/line

50X0.14 [PVC]

| | |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| UL AWM Style | 2464/1061 |
| Number of positions | 50 |
| 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 ² |
| 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 |
| 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) |

Environmental and real-life conditions

Ambient conditions

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

Approvals

UKCA

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

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Mounting

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

Notes

| | |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General | 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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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27242292 |
| ECLASS-12.0 | 27242292 |
| ECLASS-13.0 | 27242292 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002584 |
|----------|----------|

UNSPSC

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

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Environmental product compliance

| | |
|------------|---------------------------------------------------------|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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