

FLK 40-PA/EZ-DR/HF/KS/ 500/YUC - Front adapter



2904645

<https://www.phoenixcontact.com/us/products/2904645>

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Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 5.0 m

Your advantages

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

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2904645 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | CK2154 |
| Catalog page | Page 514 (C-5-2019) |
| GTIN | 4046356868419 |
| Weight per piece (including packing) | 892.5 g |
| Weight per piece (excluding packing) | 845.7 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 | AAI543 |
| | AAI141 |
| | AAI143 |
| | AAI835 |
| | AAI841 |
| | AAI135 |
| | AAR181 |
| | AAT141 |
| | AAV141 |
| | AAV142 |
| | AAB841 |
| | AAV542 |

Supported controller YOKOGAWA STARDOM

| | |
|-------------------|---------|
| Suitable I/O card | NFAI543 |
| | NFAI141 |
| | NFAI143 |
| | NFAI835 |
| | NFAI841 |
| | NFAI135 |
| | NFAV141 |
| | NFAV142 |
| | NFAB841 |
| | NFAV542 |

Supported controller YOKOGAWA ProSafe-RS

| | |
|-------------------|--------|
| Suitable I/O card | SAI143 |
| | SAV144 |
| | SAI533 |

Connection data

Connection 1

| | |
|----------------------------------|-----------------------|
| Connection in acc. with standard | based on IEC 60603-13 |
|----------------------------------|-----------------------|

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| | |
|-----------------------------|--------------------------------|
| Connection method | Yokogawa, I/O cards compatible |
| Number of connections | 1 |
| Number of positions | 40 |
| 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 | 40 |
| Tightening torque | 0.5 Nm (Screw connection) |
| Insertion/withdrawal cycles | > 50 |
| Pitch | 2.54 mm |

Dimensions

Cable

| | |
|--------|-----|
| Length | 5 m |
|--------|-----|

Cable/line

| | |
|---|---|
| Number of positions | 40 |
| Shielded | yes |
| Conductor type | Assembled, shielded, halogen-free round cable |
| Conductor structure signal line | 7x 0.16 mm |
| AWG signal line | 26 |
| Conductor cross section | 40x 0.14 mm ² |
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| External cable diameter | 9.80 mm ±0.4 mm |
| Outer sheath, material | Halogen-free sheath |
| External sheath, color | gray |
| Conductor material | Tin-plated Cu litz wires |
| Cable resistance | ≤ 145 Ω/km |
| Insulation resistance | ≥ 20 MΩ*km |
| Smallest bending radius, fixed installation | 102 mm |
| Smallest bending radius, movable installation | 184 mm |
| Max. bending cycles | 5000 |
| Halogen-free | yes |
| Flame resistance | IEC 60332-1-2 (raw cable) VDE 0842, Part 332-1-2 (raw cable) IEC 60332-3-22 (raw cable) |
| Resistance to oil | can withstand occasional splashes (raw cable) |

Environmental and real-life conditions

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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 |
|-------------|----------------|

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-13.0 | 27242292 |
| ECLASS-12.0 | 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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