



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Front adapters - FLK 40-PA/EZ-DR/HF/KS/1000/YUC - 2904646

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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: 10.0 m

Why buy this product

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

Key Commercial Data

| | |
|--------------|---------------------|
| Packing unit | 1 STK |
| GTIN | 4 046356 868402 |

Technical data

Ambient conditions

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

General

| | |
|--------------------------|-----------------------------------|
| Nominal voltage U_N | 30 V DC |
| Max. permissible current | 500 mA (per path at 70°C) |
| Designation | Halogen-free sheath |
| Standards/regulations | IEC 60754-1 |
| Designation | No development of corrosive fumes |
| Standards/regulations | IEC 60267-2 |

Connection data 1

| | |
|-----------------------|--------------------------------|
| Connection name | Control side |
| Connection method | Yokogawa, I/O cards compatible |
| Torque | 0.5 Nm (Screw connection) |
| Number of connections | 1 |
| Number of positions | 40 |

Front adapters - FLK 40-PA/EZ-DR/HF/KS/1000/YUC - 2904646

Technical data

Connection data 2

| | |
|-----------------------|---------------------------|
| Connection name | Field level |
| Connection method | Yokogawa, KS compatible |
| Torque | 0.5 Nm (Screw connection) |
| Number of connections | 1 |
| Number of positions | 40 |

Cable

| | |
|-----------------------------|------------------------------------|
| Structural data | in acc. to UL style 2464/1061 |
| Individual wires per module | 7 |
| Single wire, material | Cu tin-plated |
| Single wire, cross section | 0.14 mm ² |
| External diameter | 9.8 mm |
| Length of cable | 10 m |
| Outer sheath, material | PVC |
| External sheath, color | gray RAL 7035 |
| Shielding | yes |
| Halogen-free cable | Yes |
| Max. conductor resistance | 0.16 Ω/m |
| Cable insulation resistance | approx. 153 MΩ/km |
| Cable impedance | approx. 120 Ω |
| Cable resistance | approx. 155 Ω/km |
| Cable capacity | approx. 130 pF/m |
| Insulation | Semi-rigid PVC |
| Flame resistance | IEC 60332-3-22 |
| Resistance to oil | DIN VDE 0472 Part 803, test type B |
| Gasoline resistance | Against occasional splashes |

Supported controller

| | |
|---------------------|--------------------------|
| Controller | YOKOGAWA CS3000 CentumVP |
| - suitable I/O card | AAI543 |
| | AAI141 |
| | AAI143 |
| | AAI835 |
| | AAI841 |
| | AAI135 |
| | AAR181 |
| | AAT141 |
| | AAV141 |
| | AAV142 |
| | AAB841 |
| | AAV542 |
| Controller | YOKOGAWA STARDOM |

Front adapters - FLK 40-PA/EZ-DR/HF/KS/1000/YUC - 2904646

Technical data

Supported controller

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

Standards and Regulations

| | |
|-----------------------|------------------------------------|
| Resistance to oil | DIN VDE 0472 Part 803, test type B |
| Flame resistance | IEC 60332-3-22 |
| Designation | Halogen-free sheath |
| Standards/regulations | IEC 60754-1 |
| Designation | No development of corrosive fumes |
| Standards/regulations | IEC 60267-2 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260701 |
| eCl@ss 6.0 | 27260704 |
| eCl@ss 7.0 | 27141152 |
| eCl@ss 8.0 | 27249205 |

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11 | 39121409 |
| UNSPSC 12.01 | 39121409 |
| UNSPSC 13.2 | 39121409 |

Drawings

Front adapters - FLK 40-PA/EZ-DR/HF/KS/1000/YUC - 2904646

Connection diagram

| 40-pos. connector the I/O card | 40-pos. connector to the module | Wire color |
|--------------------------------------|---------------------------------------|---------------|
| 1 | 40 | black |
| 2 | 39 | brown |
| 3 | 38 | red |
| 4 | 37 | orange |
| 5 | 36 | yellow |
| 6 | 35 | green |
| 7 | 34 | blue |
| 8 | 33 | violet |
| 9 | 32 | gray |
| 10 | 31 | white |
| 11 | 30 | white-black |
| 12 | 29 | white-brown |
| 13 | 28 | white-red |
| 14 | 27 | white-orange |
| 15 | 26 | white-yellow |
| 16 | 25 | white-green |
| 17 | 24 | white-blue |
| 18 | 23 | white-violet |
| 19 | 22 | white-gray |
| 20 | 21 | brown-black |
| 21 | 20 | brown-red |
| 22 | 19 | brown-orange |
| 23 | 18 | brown-yellow |
| 24 | 17 | brown-green |
| 25 | 16 | brown-blue |
| 26 | 15 | brown-violet |
| 27 | 14 | brown-gray |
| 28 | 13 | brown-white |
| 29 | 12 | green-black |
| 30 | 11 | green-brown |
| 31 | 10 | green-red |
| 32 | 9 | green-orange |
| 33 | 8 | green-blue |
| 34 | 7 | green-violet |
| 35 | 6 | green-gray |
| 36 | 5 | green-white |
| 37 | 4 | yellow-black |
| 38 | 3 | yellow-brown |
| 39 | 2 | yellow-red |
| 40 | 1 | yellow-orange |

Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

| Product | Code | Reference | Product link |
|--|-------------|--------------------------------|----------------------------|
| 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: 10.0 m | 2904646 | FLK 40-PA/EZ-DR/HF/KS/1000/YUC | Buy on EAN |