

Front adapters - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541

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 round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 17.0 m

Your advantages

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

Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 340298 |
| GTIN | 4046356340298 |

Technical data

Note

| | |
|--------------|---|
| Type of note | Notes on operation |
| Note | No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC). |

Ambient conditions

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

General

| | |
|------------------------------------|---------|
| Max. permissible operating voltage | 30 V DC |
|------------------------------------|---------|

Front adapters - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541

Technical data

General

| | |
|--------------------------|-----------------------|
| Max. permissible current | 500 mA (per path) |
| Mounting position | any |
| Nominal operating mode | 100% operating factor |

Standards and Regulations

| | |
|--------------------------|---------------------------------------|
| Flame resistance | UL VW-1 |
| | CSA FT-1 |
| | IEC 60332-1-2 |
| | VDE 0842, Part 332-1-2 |
| | IEC 60332-3-22 |
| Resistance to oil | against occasional splashes |
| Gasoline resistance | against occasional splashes |
| Designation | Air clearances and creepage distances |
| Standards/regulations | DIN EN 50178 |
| Rated insulation voltage | 63 V |
| Rated surge voltage | 0.6 kV |
| Insulation | Functional insulation |
| Pollution degree | 2 |
| Overvoltage category | II |

Connection data

| | |
|-----------------------------|--------------------------------|
| Connection name | Control side |
| Connection method | Yokogawa, I/O cards compatible |
| Number of connections | 1 |
| Number of positions | 50 |
| Torque | 0.5 Nm (Screw connection) |
| Insertion/withdrawal cycles | > 50 |

Connection data 2

| | |
|-----------------------------|---------------------------|
| Connection name | Module side |
| Connection method | Yokogawa, KS compatible |
| Number of connections | 1 |
| Number of positions | 50 |
| Torque | 0.5 Nm (Screw connection) |
| Insertion/withdrawal cycles | > 50 |

Cable

| | |
|---|----------------------|
| Conductor construction: Number of litz wires: | 7 |
| Single wire, material | Cu tin-plated |
| Single wire, cross section | 0.14 mm ² |
| Length of cable | 17 m |
| Outer sheath, material | Semi-rigid PVC |
| External sheath, color | gray |

Front adapters - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541

Technical data

Cable

| | |
|-----------------------------|--|
| Shielding | yes |
| Halogen-free cable | No |
| Cable insulation resistance | $\geq 20 \text{ M}\Omega/\text{km}$ (at 20 °C) |
| Cable resistance | $\leq 145 \text{ }\Omega/\text{km}$ (at 20 °C) |

Supported controller

| | |
|---------------------|--------------------------|
| Controller | YOKOGAWA CS3000 CentumVP |
| - suitable I/O card | ADV151 |
| | ADV551 |
| Controller | YOKOGAWA STARDOM |
| - suitable I/O card | NFDV151 |
| | NFDV551 |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Drawings

Front adapters - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541

Connection diagram

| 50-pos. connector to the I/O card | 50-pos. connector to the module | Wire color |
|---|---------------------------------------|---------------|
| 1 | 50 | black |
| 2 | 49 | brown |
| 3 | 48 | red |
| 4 | 47 | orange |
| 5 | 46 | yellow |
| 6 | 45 | green |
| 7 | 44 | blue |
| 8 | 43 | violet |
| 9 | 42 | gray |
| 10 | 41 | white |
| 11 | 40 | white-black |
| 12 | 39 | white-brown |
| 13 | 38 | white-red |
| 14 | 37 | white-orange |
| 15 | 36 | white-yellow |
| 16 | 35 | white-green |
| 17 | 34 | white-blue |
| 18 | 33 | white-violet |
| 19 | 32 | white-gray |
| 20 | 31 | brown-black |
| 21 | 30 | brown-red |
| 22 | 29 | brown-orange |
| 23 | 28 | brown-yellow |
| 24 | 27 | brown-green |
| 25 | 26 | brown-blue |
| 26 | 25 | brown-violet |
| 27 | 24 | brown-gray |
| 28 | 23 | brown-white |
| 29 | 22 | green-black |
| 30 | 21 | green-brown |
| 31 | 20 | green-red |
| 32 | 19 | green-orange |
| 33 | 18 | green-blue |
| 34 | 17 | green-violet |
| 35 | 16 | green-gray |
| 36 | 15 | green-white |
| 37 | 14 | yellow-black |
| 38 | 13 | yellow-brown |
| 39 | 12 | yellow-red |
| 40 | 11 | yellow-orange |
| 41 | 10 | yellow-blue |
| 42 | 9 | yellow-violet |
| 43 | 8 | yellow-gray |
| 44 | 7 | yellow-white |
| 45 | 6 | gray-black |
| 46 | 5 | gray-brown |
| 47 | 4 | gray-red |
| 48 | 3 | gray-orange |
| 49 | 2 | gray-yellow |
| 50 | 1 | gray-green |

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242292 |
| eCl@ss 4.0 | 27060300 |
| eCl@ss 4.1 | 27060300 |
| eCl@ss 5.0 | 27061800 |
| eCl@ss 5.1 | 27061800 |
| eCl@ss 6.0 | 27249200 |
| eCl@ss 7.0 | 27249290 |
| eCl@ss 8.0 | 27249290 |
| eCl@ss 9.0 | 27242292 |

Front adapters - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541

Classifications

ETIM

| | |
|----------|----------|
| ETIM 4.0 | EC002584 |
| ETIM 5.0 | EC002584 |
| ETIM 6.0 | EC002584 |
| ETIM 7.0 | EC002584 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11 | 26121620 |
| UNSPSC 12.01 | 26121620 |
| UNSPSC 13.2 | 32151601 |
| UNSPSC 18.0 | 32151601 |
| UNSPSC 19.0 | 32151601 |
| UNSPSC 20.0 | 32151601 |
| UNSPSC 21.0 | 32151601 |

Approvals


Approvals


Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

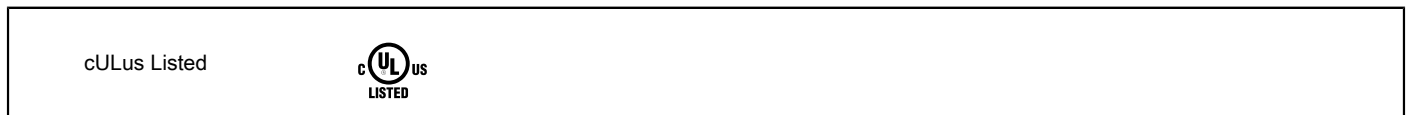
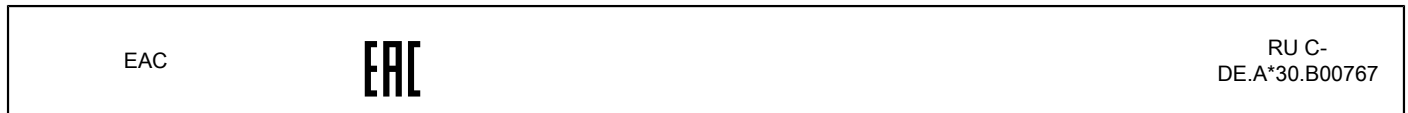
Approval details

| | | | |
|--------------------|---|---|---------------|
| UL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| Nominal voltage UN | 125 V | | |
| Nominal current IN | 0.5 A | | |

| | | | |
|--------------------|---|---|---------------|
| cUL Listed |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| Nominal voltage UN | 125 V | | |
| Nominal current IN | 0.5 A | | |

Front adapters - FLK 50-PA/EZ-DR/KS/1700/YUC - 2321541

Approvals



Accessories

Spare parts

Screw set - VF-SCREW-YOKOGAWA/M3X18/DCS - 2902873



Replacement screw M3x18 for Yokogawa system cable, front adapter control side.

Screw set - VF-SCREW-YOKOGAWA/M4X25/KS - 2902874



Replacement screw M4x25 for Yokogawa system cable, module side.

Phoenix Contact 2020 © - 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>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ribbon Cables / IDC Cables](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[FSK-12A](#) [AWG28-10G](#) [EHJ3C](#) [EHJ4C](#) [cab-LVDV-PWR-10-15](#) [FSP-25A](#) [3365/15 \(100FT\)](#) [cab-LVDV-DAT-34-15](#) [49635-C62-S2](#) [1-3636-600-5204](#) [92315-1408](#) [426171120-3](#) [3625/08 \(100M\)](#) [0044704](#) [2-1589735-3](#) [JSM015PP2DCC23N](#) [92301-0283](#) [ACL-eSSI-2](#) [92301-0718](#) [MMSDT-06-20-S-05.5-D-K-LDX](#) [IDD-04-G](#) [NM-2J2-051-PS1-JJAB](#) [1700/14SF \(100FT\)](#) [1700/26SF \(100FT\)](#) [1700/34SF \(100FT\)](#) [3801/09 \(100FT\)](#) [119-885](#) [DS1057-06A282R-30.5](#) [DS1057-09A282R-30.5](#) [DS1057-12A282R-30.5](#) [DS1057-14A282R-76.5](#) [DS1057-20A282R-76.5](#) [DS1057-30A282R-76.5](#) [DS1057-34A282R-76.5](#) [DS1057-40A282R-76.5](#) [DS1057-60A282R-76.5](#) [DS1057-64A282R-76.5](#) [DS1058-08M28-30.5](#) [DS1058-30M28-30.5](#) [3750/10 \(100FT\)](#) [0015712](#) [0015905](#) [S30109](#) [11203](#) [11223](#) [11243](#) [11262](#) [0037147](#) [0022512](#) [0022412](#)