

## Front adapters - FLK 40-PA/EZ-DR/KS/3000/YUC - 2314558

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Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 30.0 m

### Why buy this product

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

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 133692 |
| GTIN         | 4046356133692                                                                                           |

### Technical data

#### Ambient conditions

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

#### General

|                                    |                           |
|------------------------------------|---------------------------|
| Max. permissible operating voltage | 30 V DC                   |
| Max. permissible current           | 500 mA (per path at 70°C) |

#### 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/KS/3000/YUC - 2314558

### Technical data

#### Connection data 2

|                       |                           |
|-----------------------|---------------------------|
| Connection name       | Module side               |
| 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 |
| Conductor construction: Number of litz wires: | 7                             |
| Single wire, material                         | Cu tin-plated                 |
| Single wire, cross section                    | 0.14 mm <sup>2</sup>          |
| External diameter                             | 9.8 mm                        |
| Length of cable                               | 30 m                          |
| Outer sheath, material                        | PVC                           |
| External sheath, color                        | gray RAL 7035                 |
| Shielding                                     | yes                           |
| Halogen-free cable                            | No                            |
| 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                |

#### 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         |
| - suitable I/O card | NFAI543                  |
|                     | NFAI141                  |
|                     | NFAI143                  |

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### Technical data

#### Supported controller

|  |         |
|--|---------|
|  | NFAI835 |
|  | NFAI841 |
|  | NFAI135 |
|  | NFAV141 |
|  | NFAV142 |
|  | NFAB841 |
|  | NFAV542 |

#### Standards and Regulations

|                     |                                    |
|---------------------|------------------------------------|
| Flame resistance    | IEC 60332-3-22                     |
| Resistance to oil   | DIN VDE 0472 Part 803, test type B |
| Gasoline resistance | against occasional splashes        |

#### Environmental Product Compliance

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

### Drawings

## Front adapters - FLK 40-PA/EZ-DR/KS/3000/YUC - 2314558

Connection diagram

| 40-pos.<br>connector the<br>I/O card | 40-pos.<br>connector to<br>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 |

### Approvals

#### Approvals

Approvals

EAC / UL Listed / cUL Listed / cULus Listed

Ex Approvals

#### Approval details

EAC



RU C-  
DE.A\*30.B00767

## Front adapters - FLK 40-PA/EZ-DR/KS/3000/YUC - 2314558

### Approvals

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

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

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| cULus Listed |  |
|--------------|------------------------------------------------------------------------------------|

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

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