

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

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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: 10.0 m

Product Features

- 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 pc |
| Custom tariff number | 85444290 |
| Country of origin | Germany |

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

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Technical data

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 |

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 |

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Technical data

Supported controller

| | |
|---------------------|------------------|
| | AAI835 |
| | AAI841 |
| | AAI135 |
| | AAR181 |
| | AAT141 |
| | AAV141 |
| | AAV142 |
| | AAB841 |
| | AAV542 |
| Controller | YOKOGAWA STARDOM |
| - 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 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 8.0 | 27249205 |
| eCl@ss 9.0 | 27242220 |

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 |