

# FLK 40-PA/EZ-DR/HF/KS/5000/YUC - Front adapter



2904653

<https://www.phoenixcontact.com/us/products/2904653>

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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: 50.0 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	2904653
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK2154
GTIN	4046356867801
Weight per piece (including packing)	7,938 g
Weight per piece (excluding packing)	7,928 g
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Front adapter
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### 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	50 m
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### 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 <sup>2</sup>
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
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## Mounting

Mounting position	any
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## 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-12.0	27242292
ECLASS-13.0	27242292

### ETIM

ETIM 9.0	EC002584
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### 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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