

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

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 documentation. Our general terms of use for downloads are valid.



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: 10.0 m

## Your advantages

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

## Commercial data

Item number	2314370
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK222N
GTIN	4046356102025
Weight per piece (including packing)	1,606 g
Weight per piece (excluding packing)	1,606 g
Customs tariff number	85444290
Country of origin	DE

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

## Technical data

### Product properties

Product type	Front adapter
--------------	---------------

### 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	IEC 60603-13 (in compliance)
----------------------------------	------------------------------

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

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	IEC 60603-13 (in compliance)
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	10 m
--------	------

### Cable/line

#### 40X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	40
Shielded	yes
Cable type	40X0.14 [PVC]
Conductor type	Assembled shielded 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 ±0.3 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (at 20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	101 mm
Smallest bending radius, movable installation	182 mm
Dynamic load capacity (bending)	Max. bending cycles: 5000 (at a radius of ≥ 18x outside diameter)
Halogen-free	no
Flame resistance	IEC 60332-1-2 (raw cable) VDE 0842, Part 332-1-2 (raw cable)

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)
Cable type	Cable for one module

## Environmental and real-life conditions

### Ambient conditions

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

## Approvals

### UKCA

Certificate	UKCA-compliant
-------------	----------------

## Notes

Notes on operation	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.
--------------------	--

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

## Drawings

### 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

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2314370>



**EAC**

Approval ID: RU\*-DE.HB\*35.B00385



**UL Listed**

Approval ID: E238705

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	0.5 A	-	-



**cUL Listed**

Approval ID: E238705

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	0.5 A	-	-

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

ETIM 10.0	EC002584
-----------	----------

### UNSPSC

UNSPSC 21.0	32151600
-------------	----------

# FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter



2314370

<https://www.phoenixcontact.com/us/products/2314370>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)