

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

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, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 2.0 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	2904748
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	I1 - Systemverkabelung
Product Key	CK2154
Catalog Page	Page 514 (C-5-2019)
GTIN	4046356882941
Weight per Piece (including packing)	411,33 g
Weight per Piece (excluding packing)	333,33 g
Customs tariff number	85444290
Country of origin	DE

Technical Data

Notes

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

Product properties

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

Insulation characteristics

Overvoltage category	II
Pollution degree	2
Insulation	Functional insulation

Electrical properties

Max. permissible operating voltage	30 V DC
Max. permissible current	500 mA (per path)
Nominal operating mode	100% operating factor
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

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

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

NFAV542

Connection data

Control side

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

Field level

Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	40
Tightening torque	0.5 Nm (Screw connection)
Insertion/withdrawal cycles	> 50

Dimensions

Length	2 m
--------	-----

Cable / line

Cable length	2 m
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 ²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	9.8 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)

2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

Environmental and real-life conditions

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

Approval data

UKCA

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

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178
-----------------------	--------------

Mounting

Mounting position	any
-------------------	-----

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

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

2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

Approvals



EAC

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



UL Listed

Approval ID: FILE E 238705

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	125 V	0.5 A	-	-



cUL Listed

Approval ID: FILE E 238705

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	125 V	0.5 A	-	-

cULus Listed

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

Classifications

ECLASS

ECLASS-9.0	27242292
ECLASS-10.0.1	27242292
ECLASS-11.0	27242292

ETIM

ETIM 8.0	EC002584
----------	----------

UNSPSC

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

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

Accessories

Cable marker carrier

Cable marker carrier - KME - 0807083

<https://www.phoenixcontact.com/de/produkte/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

Screw set

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

<https://www.phoenixcontact.com/de/produkte/2902873>



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

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 200/YUC



2904748

<https://www.phoenixcontact.com/de/produkte/2904748>

Screw set

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

<https://www.phoenixcontact.com/de/produkte/2902874>



Replacement screw M4x25 for Yokogawa system cable, module side.

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Deutschland GmbH

Flachsmarktstraße 8

D-32825 Blomberg

+49 52 35/3-1 20 00

info@phoenixcontact.de