

Front adapters - FLK 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

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 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 1.0 m

Your advantages

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

Commercial Data

Item number	2904739
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	4046356882897
Weight per Piece (including packing)	312,5 g
Weight per Piece (excluding packing)	312,5 g
Customs tariff number	85444290
Country of origin	DE

Front adapters - FLK 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

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	ADV151
	ADV551

Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFDV151
	NFDV551

Connection data

Control side

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

Dimensions

Front adapters - FLK 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

Length	1 m
--------	-----

Cable / line

Cable length	1 m
Number of positions	50
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	50x 0.14 mm ²
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	11 mm ±0.4 mm
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Smallest bending radius, fixed installation	114 mm
Smallest bending radius, movable installation	205 mm
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

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 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

Drawings

Connection diagram

50-pos. connector to the I/O card	50-pos. connector to the module	Wire color
1	50	black
2	49	brown
3	48	red
4	47	orange
5	46	yellow
6	45	green
7	44	blue
8	43	violet
9	42	gray
10	41	white
11	40	white-black
12	39	white-brown
13	38	white-red
14	37	white-orange
15	36	white-yellow
16	35	white-green
17	34	white-blue
18	33	white-violet
19	32	white-gray
20	31	brown-black
21	30	brown-red
22	29	brown-orange
23	28	brown-yellow
24	27	brown-green
25	26	brown-blue
26	25	brown-violet
27	24	brown-gray
28	23	brown-white
29	22	green-black
30	21	green-brown
31	20	green-red
32	19	green-orange
33	18	green-blue
34	17	green-violet
35	16	green-gray
36	15	green-white
37	14	yellow-black
38	13	yellow-brown
39	12	yellow-red
40	11	yellow-orange
41	10	yellow-blue
42	9	yellow-violet
43	8	yellow-gray
44	7	yellow-white
45	6	gray-black
46	5	gray-brown
47	4	gray-red
48	3	gray-orange
49	2	gray-yellow
50	1	gray-green

Front adapters - FLK 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

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 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

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 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

Environmental Product Compliance

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

Front adapters - FLK 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

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 50-PA/EZ-DR/HF/KS/ 100/YUC



2904739

<https://www.phoenixcontact.com/de/produkte/2904739>

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