

CABLE-50/4FLK14/22,0M/YUC - Front adapter



2902800

<https://www.phoenixcontact.com/us/products/2902800>

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Cast Yokogawa front adapter with attached round cable and an injection-molded 50-pos. socket strip for the connection of 4 x 8 channels on the field side. Cable length: 22.0 m

Your advantages

- Four 14-pos. connectors on the module side for connecting four 8-channel VARIOFACE modules of the system cabling
- Lateral cable outlet of the I/O module

Commercial data

Item number	2902800
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK222N
GTIN	4046356681025
Weight per piece (including packing)	4,243 g
Weight per piece (excluding packing)	4,240 g
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
Current (Per path, 70°C)	≤ 500 mA

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)

Field level

Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Pitch	2.54 mm

Dimensions

Cable

Length	22 m
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Cable/line

50X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	50
Shielded	yes
Cable type	50X0.14 [PVC]
Conductor type	Assembled shielded round cable
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross-section	50x 0.14 mm ²

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Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	11.00 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	114 mm
Smallest bending radius, movable installation	205 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)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

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.
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Drawings

Connection diagram

50-pos. connector to the I/O card	4 x 14-pos. connector to the module	Wire color
1	Byte 0	1 black
3		2 brown
5		3 red
7		4 orange
9		5 yellow
11		6 green
13		7 blue
15		8 Violet
41		9 gray
39		10 White
17	Byte 1	1 white-black
19		2 white-brown
21		3 white-red
23		4 white-orange
25		5 White-yellow
27		6 white-green
29		7 white-blue
31		8 white-violet
43		9 white-gray
37		10 brown-black
2	Byte 2	1 brown-red
4		2 brown-orange
6		3 brown-yellow
8		4 brown-green
10		5 brown-blue
12		6 brown-violet
14		7 brown-gray
16		8 brown-white
42		9 green-black
36		10 green-brown
18	Byte 3	1 green-red
20		2 green-orange
22		3 green-blue
24		4 green-violet
26		5 green-gray
28		6 green-white
30		7 yellow-black
32		8 yellow-brown
44		9 yellow-red
34		10 yellow-orange

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Classifications

UNSPSC

UNSPSC 21.0	32151601
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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%
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