

# CABLE-40/2FLK16/23,0M/YUC - Front adapter

2902798

<https://www.phoenixcontact.com/us/products/2902798>



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Cast Yokogawa front adapter with attached round cable and an injection-molded 40-pos. socket strip for the connection of 2 x 8 channels on the field side. Cable length: 23.0 m

## Commercial data

Item number	2902798
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK222N
GTIN	4046356681261
Weight per piece (including packing)	3,544 g
Weight per piece (excluding packing)	800 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
Nominal operating mode	100% operating factor
Current (Per path)	≤ 500 mA (uncoiled)

Supported controller YOKOGAWA CS3000 CentumVP

Suitable I/O card	ADV151
	ADV161

Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFAI141
	NFAI143

### Connection data

#### Connection 1

Connection in acc. with standard	IEC 60603-13 (in compliance)
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	IDC/FLK socket strip
Number of connections	2
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

### Dimensions

#### Cable

Length	23 m
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### Cable/line

#### 40X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	40

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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) 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

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
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## 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

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

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## Classifications

### ECLASS

ECLASS-13.0	27242292
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### ETIM

ETIM 9.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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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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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)