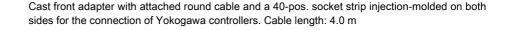


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Your advantages

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

Commercial data

Item number	2314367
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK222N
GTIN	4046356100298
Weight per piece (including packing)	748 g
Weight per piece (excluding packing)	719.8 g
Customs tariff number	85444290
Country of origin	DE



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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)
ourion (i di pun)	= ooo mir (dinonica)
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
Cultable 1/O card	SAV144
	SAI533

Connection data

Connection 1

Connection in acc. with standard	IEC 60603-13 (in compliance)



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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

l enath	4 m
Lengui	4111

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 mm²	
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)	



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	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.
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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



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2314367

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

<u>@</u>	UL Listed Approval ID: E238705				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		125 V	0.5 A	-	-

•	cUL Listed Approval ID: E238705				
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		125 V	0.5 A	-	-



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Classifications

EC	LASS

ECLASS-13.0 27242292

ETIM

ETIM 9.0 EC002584

UNSPSC

UNSPSC 21.0 32151600



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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%

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