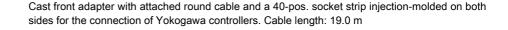


2321622

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Your advantages

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

Commercial data

Item number	2321622
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK222N
GTIN	4046356340274
Weight per piece (including packing)	2.996 kg
Weight per piece (excluding packing)	2.996 kg
Customs tariff number	85444290
Country of origin	DE



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Technical data

Prod	luct	nror	perties
1 100	iuut	PIO	

Product type	Front adapter
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	AAI543
	AAI141
	AAI143
	AAI835
	AAI841
	AAI135
	AAR181
	AAT141
	AAV141
	AAV142
	AAB841
	AAV542
Supported controller YOKOGAWA STARDOM	
Suitable I/O card	NFAI543
	NFAI141
	NFAI143
	NFA1835
	NFAI841
	NFAI135
	NFAV141
	NFAV142
	NFAB841
	NFAV542
Supported controller YOKOGAWA ProSafe-RS	
Suitable I/O card	SAI143
	SAV144
	SAI533

Connection data

Connection 1

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

Length	19 m

Cable/line

40X0.14 [PVC]

3. (c. 1 · [. · · o]	
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)

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

	ŭ	
40-pos.	40-pos.	
connector the	connector to	Wire color
I/O card	the module	11110 00101
1	40	black
2	39	brown
3	38	red
4	37	orange
5	36	vellow
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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Classifications

	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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