

UM-2KS50/4FLK14/YCS - Passive module



2311166

<https://www.phoenixcontact.com/us/products/2311166>

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32-channel digital input/output module with redundant voltage supply. Suitable for the Yokogawa ADV 151, ADV 161, ADV 551 and ADV 561 cards.

Commercial data

Item number	2311166
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK21A4
GTIN	4046356159739
Weight per piece (including packing)	231.6 g
Weight per piece (excluding packing)	231.6 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
No. of channels	32

Insulation characteristics

Insulation	Functional insulation
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage range	19.2 V DC ... 26.4 V DC
Fuse	1 A 5x20 (fast-blow) (F1, F2)
Current (per branch)	≤ 1 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 µs)

Supported controller YOKOGAWA CS3000 CentumVP

Suitable I/O card	ADV151
	ADV161
	ADV551
	ADV561

Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFDV151
	NFDV161
	NFDV551
	NFDV561

Connection data

Connection 1 (control level)

Connection method	Yokogawa KS-compatible
Number of connections	2
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331
Tightening torque	0.5 Nm
Pitch	2.54 mm

Connection 2 (field level)

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Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 3 (supply)

Connection method	Spring-cage connection
Number of positions	8
Conductor cross section rigid	0.2 mm² ... 2.5 mm²
Conductor cross section flexible	0.2 mm² ... 1.5 mm²
Conductor cross section AWG	24 ... 12

Signaling

Status display present	Yes, for power supply
Operating voltage display	Green LED

Dimensions

Item dimensions

Width	76.4 mm
Height	127.5 mm
Depth	60.5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≤ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

UKCA

Certificate	UKCA-compliant
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Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

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Notes

General	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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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com