

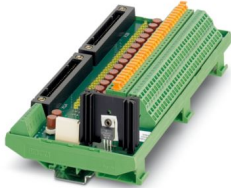
FLKM-2KS50/PMT/ADV151/Z/YCS - Passive module



2321923

<https://www.phoenixcontact.com/us/products/2321923>

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VARIOFACE input module with spring-cage connection, 32 channels, redundant connector for Yokogawa input modules ADV151, ADV161.

Commercial data

Item number	2321923
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK21A4
GTIN	4046356418478
Weight per piece (including packing)	670.1 g
Weight per piece (excluding packing)	643 g
Customs tariff number	85389091
Country of origin	DE

Technical data

Product properties

Product type	Interface module
No. of channels	32
Operating mode	100% operating factor

Insulation characteristics

Insulation	Functional insulation
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Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Max. permissible current	63 mA (per path, protected by slow fuse 63 mA, observe derating)
Max. permissible total current	2 A (protected by fuse (2 AT), observe derating)
Nominal voltage U_N	24 V DC
	19.2 V DC ... 30 V DC

Air clearances and creepage distances between the power circuits

Rated insulation voltage	50 V DC
Rated surge voltage	0.5 kV

Supported controller YOKOGAWA CS3000 CentumVP

Suitable I/O card	ADV151
	ADV161

Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFDV151
	NFDV161

Output data

K1

Contact switching type	Double contact, 1 N/O contact
Contact material	AgNi 90/10, + 5 μ m hard gold-plated
Maximum switching voltage	48 V DC
	\leq 25 V AC
Limiting continuous current	1 A
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	24 W (24 V DC)
	48 W (48 V DC)
	25 VA (25 V AC)

Mechanical service life	approx. 2×10^7 cycles
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Connection data

Field level

Connection method	Spring-cage connection
Number of connections	1
Number of positions	64
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Controller 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

Signaling

Status display present	Yes
Operating voltage display	Green LED

Dimensions

Item dimensions

Width	231.6 mm
Height	111.8 mm
Depth	65.5 mm

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Air clearances and creepage distances between the power circuits

Standards/regulations	DIN EN 50178
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Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing

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Mounting position	any
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Notes

General	No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC).
General	At least one functional insulation against adjacent modules is complied with (in the support rail direction). If the application has stricter requirements for the insulation (basic insulation or reinforced insulation), they must be realized by applying suitable measures (e. g. partition plates).
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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