

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



2321884

<https://www.phoenixcontact.com/us/products/2321884>

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The figure shows the version with spring-cage connection

VARIOFACE input module with screw connection, 32 channels, redundant connector plug for Yokogawa input modules ADV151, ADV161.

## Commercial data

Item number	2321884
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK218N
GTIN	4046356563703
Weight per piece (including packing)	716.9 g
Weight per piece (excluding packing)	643 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### Product properties

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

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

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (DC)	24 V DC
Operating voltage range	19.2 V DC ... 30 V DC
Current (Per path)	≤ 63 mA (protected by slow-blow fuse 63 mA, observe derating)
Current (Total current)	≤ 2 A (protected by fuse (2 AT), observe derating)

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 µm hard gold-plated
Maximum switching voltage	48 V DC
	≤ 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. 2x 10 <sup>7</sup> cycles

### Connection data

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## Field level

Connection method	Screw connection
Number of positions	64
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
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

## Material specifications

Color	green (RAL 6021)
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## 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	EN IEC 60664-1
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## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

## Notes

Notes on operation	No additional touch protection is required when using a SELV/PELV voltage ( $\leq 25$ V AC or 60 V DC).
Notes on operation	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).
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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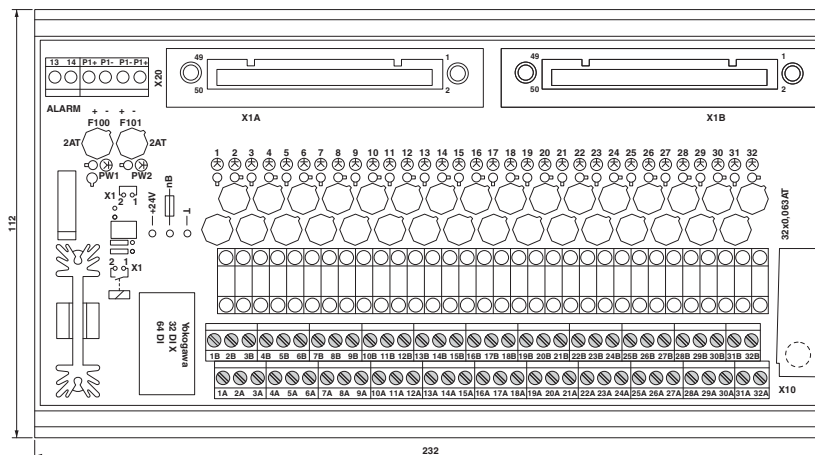


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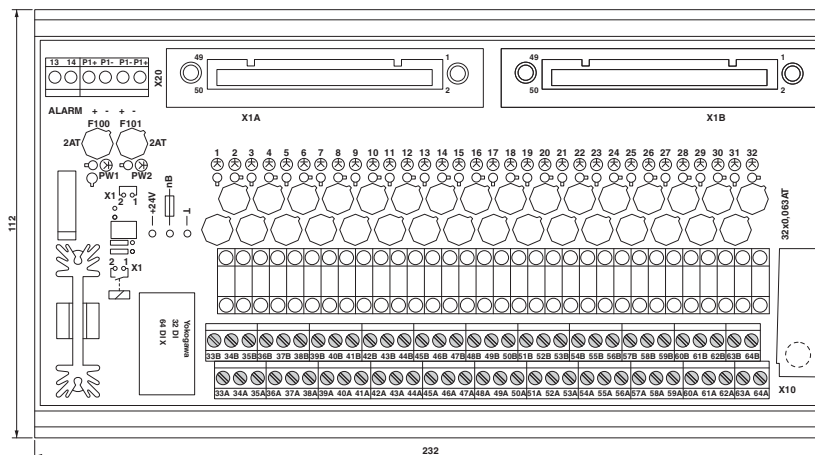
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## Drawings

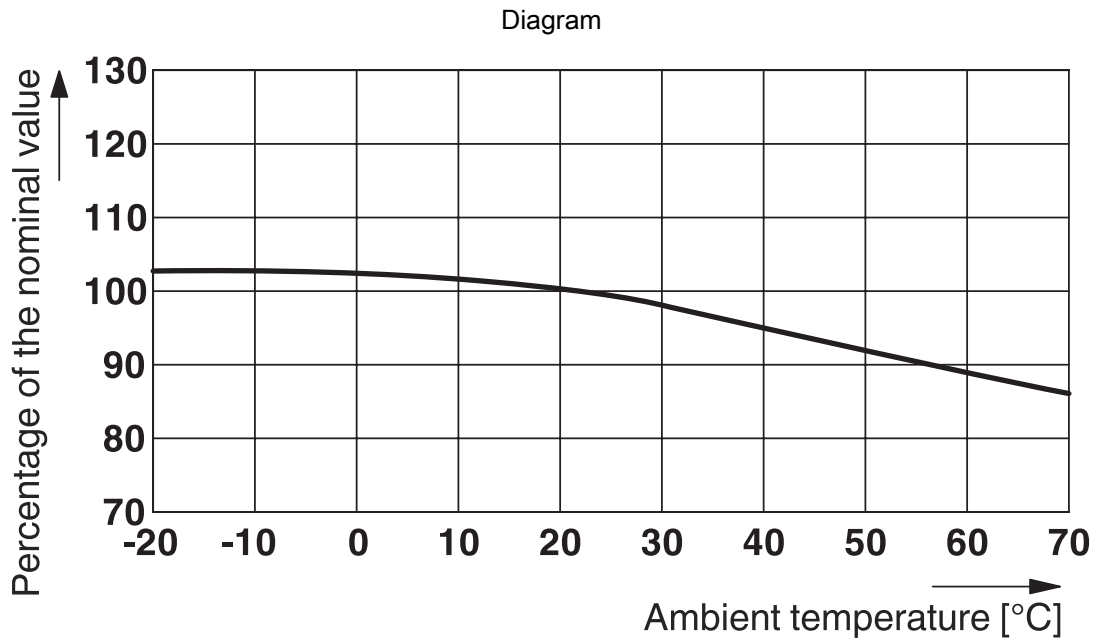
Dimensional drawing



Dimensional drawing



Labeling 33B..64B/33A..64A and the additional sticker 64DI X is included with the packing.



TR5 fuse derating curve

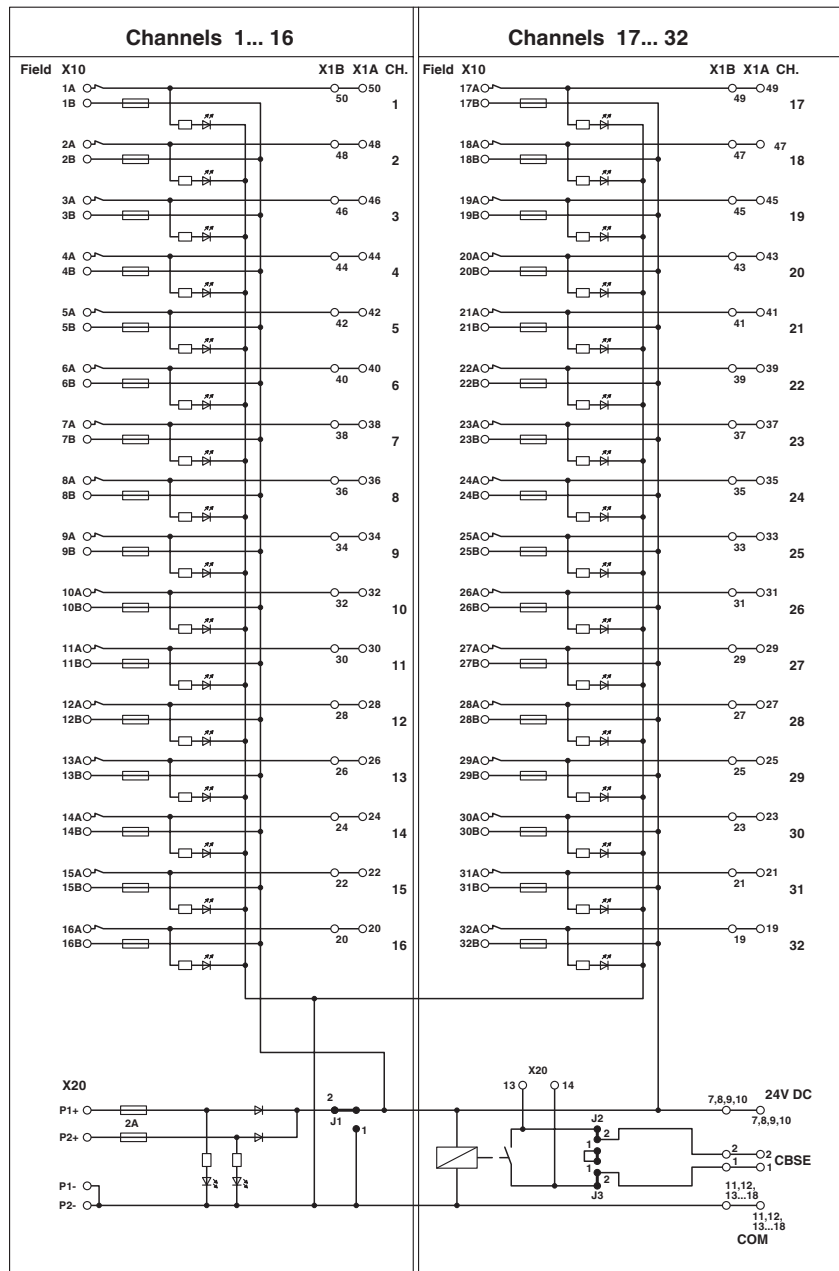
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## Circuit diagram



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




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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2321884>

 <b>CSA</b> Approval ID: LR 13631				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	24 V	0.1 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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