

# UM-2KS50/32IM/SI/BFI/YCS - Passive module



2908402

<https://www.phoenixcontact.com/us/products/2908402>

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32-channel, 24 V DC input module with screw connection and redundant, 50-pos. system connection, fuse in every input circuit, for Yokogawa ADV151 and ADV161



## Commercial data

Item number	2908402
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK21A4
Catalog page	Page 519 (C-5-2017)
GTIN	4055626296890
Weight per piece (including packing)	396 g
Weight per piece (excluding packing)	396 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Notes

General	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
General	No additional touch protection is required when using a SELV/PELV voltage ( $\leq 25$ V AC or 60 V DC).
General	Against adjacent modules in the support rail direction at least one functional insulation on the output-side is complied with. If the application has higher requirements on the insulation (basic insulation or reinforced insulation), then these must be realized through suitable measures (e. g. partition plates).
General	For proper use, the specifications of the installation directive (see Downloads) must be observed.

### Product properties

Product type	Interface module
Operating mode	100% operating factor

### Insulation characteristics

Insulation	Functional insulation
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### Insulation characteristics

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Nominal voltage $U_N$	24 V DC
	19.2 V DC ... 26.4 V DC
Max. current carrying capacity per branch	250 mA (observe derating)
Max. total current of all branches	2 A (observe derating)
Rated insulation voltage	50 V DC
Rated surge voltage	0.5 kV

### Supported controller YOKOGAWA CENTUM VP

Suitable I/O card	ADV151
	ADV161
	NFDV151
	NFDV161

### Output data

Contact switching type	1 N/O contact
Type of switch contact	Double contact
Contact material	AgNi, 5 $\mu$ m hard gold-plated
Maximum switching voltage	< 25 V AC
	48 V DC

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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. $2 \times 10^7$ cycles

## Connection data

### Field level

Connection method	Screw connection
Stripping length	5 mm
Screw thread	M2
Number of connections	32
Number of positions	2
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1 mm <sup>2</sup> (without ferrule)
Conductor cross section AWG	26 ... 16
Tightening torque	0.22 Nm ... 0.25 Nm

### Controller level

Connection method	Yokogawa KS-compatible
Number of connections	2
Number of positions	50

## Signaling

Status display	LED red
Status display present	Yes, if the fuse fails
Operating voltage display	Green LED

## Dimensions

Width	135 mm
Height	127.79 mm
Depth	61.82 mm

Dimensional drawing	
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Width	135 mm
Height	128 mm
Depth	62 mm

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 80 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

## Standards and regulations

Standards/regulations	DIN EN 50178
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## Mounting

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

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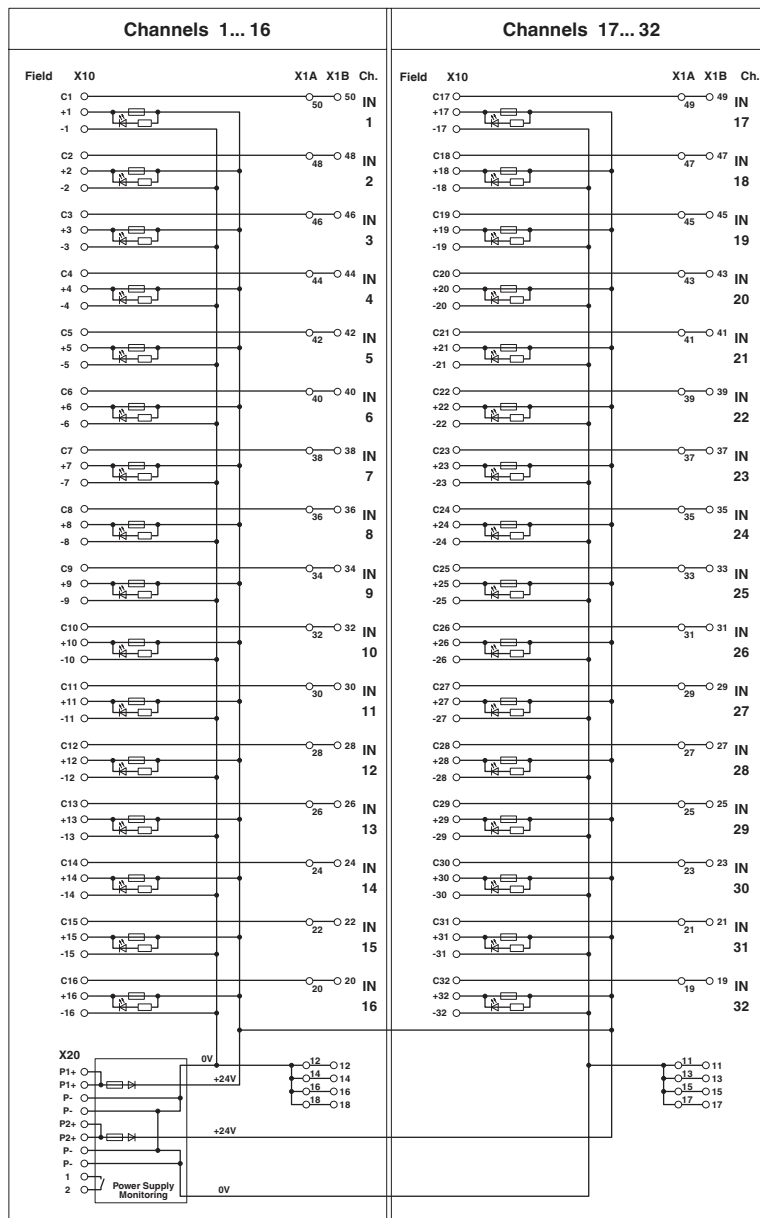


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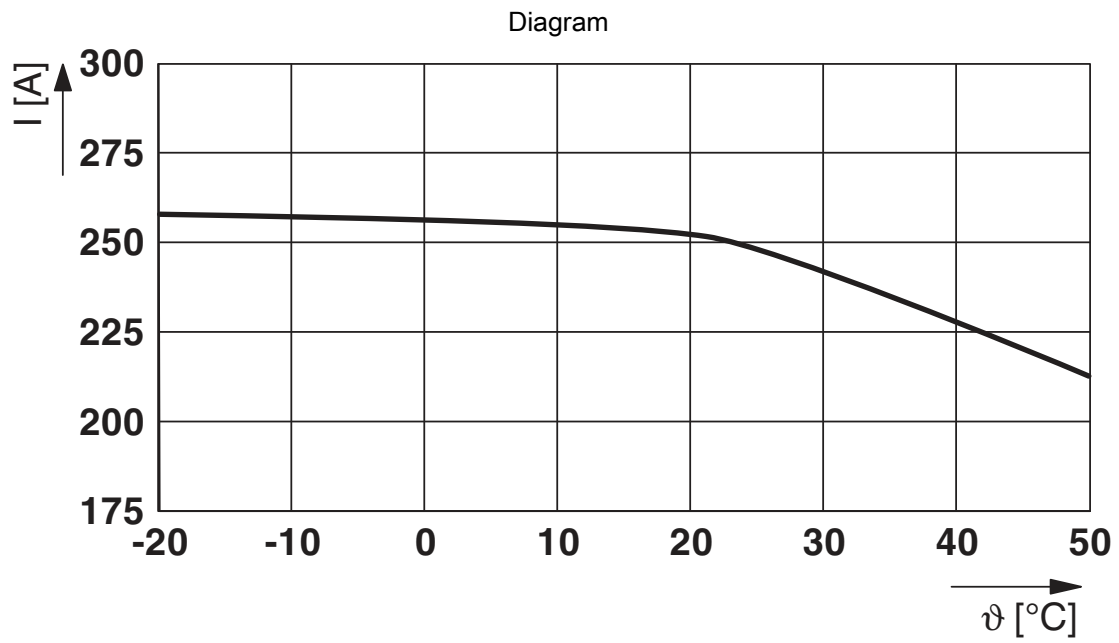
## Drawings

### Circuit diagram



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Derating curve: TE5 fuse

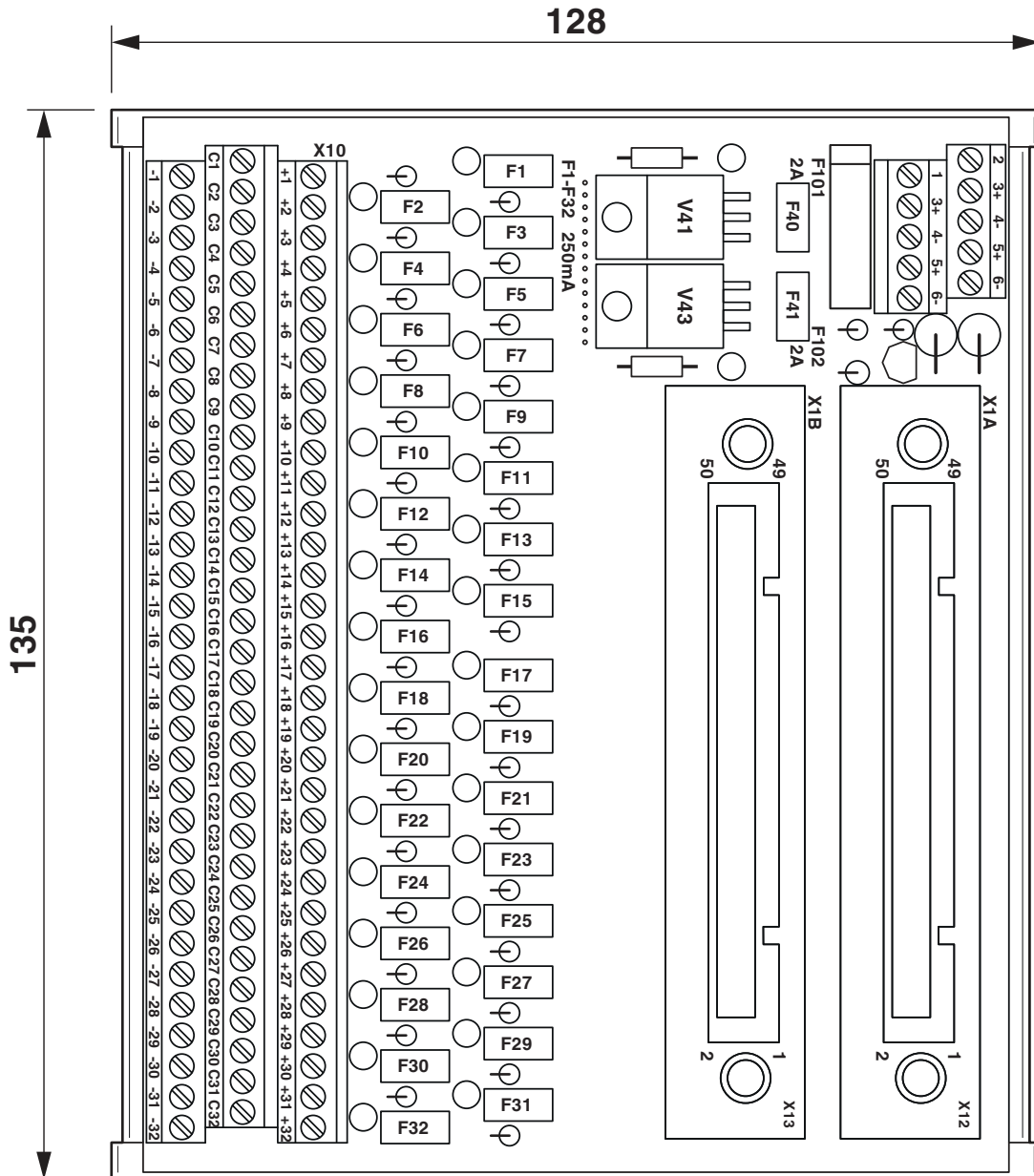
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Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908402>



**EAC**

Approval ID: RU\*-DE.\*08.B.01829\*



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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	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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