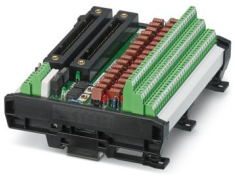
UM-2KS50/32IM/SI/BFI/YCS - Passive module

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	DK218N
GTIN	4055626296890
Weight per piece (including packing)	396 g
Weight per piece (excluding packing)	396 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Operating mode	100% operating factor

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

K1 (alarm)

Contact switching type	1 N/O contact
Type of switch contact	Double contact
Contact material	AgNi, 5 µm hard gold-plated
Maximum switching voltage	< 25 V AC
	48 V DC
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 10^7 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 flexible	0.14 mm² ... 1 mm² (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

Item dimensions

Width	135 mm
Height	127.79 mm
Depth	61.82 mm

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	EN IEC 60664-1

Mounting

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

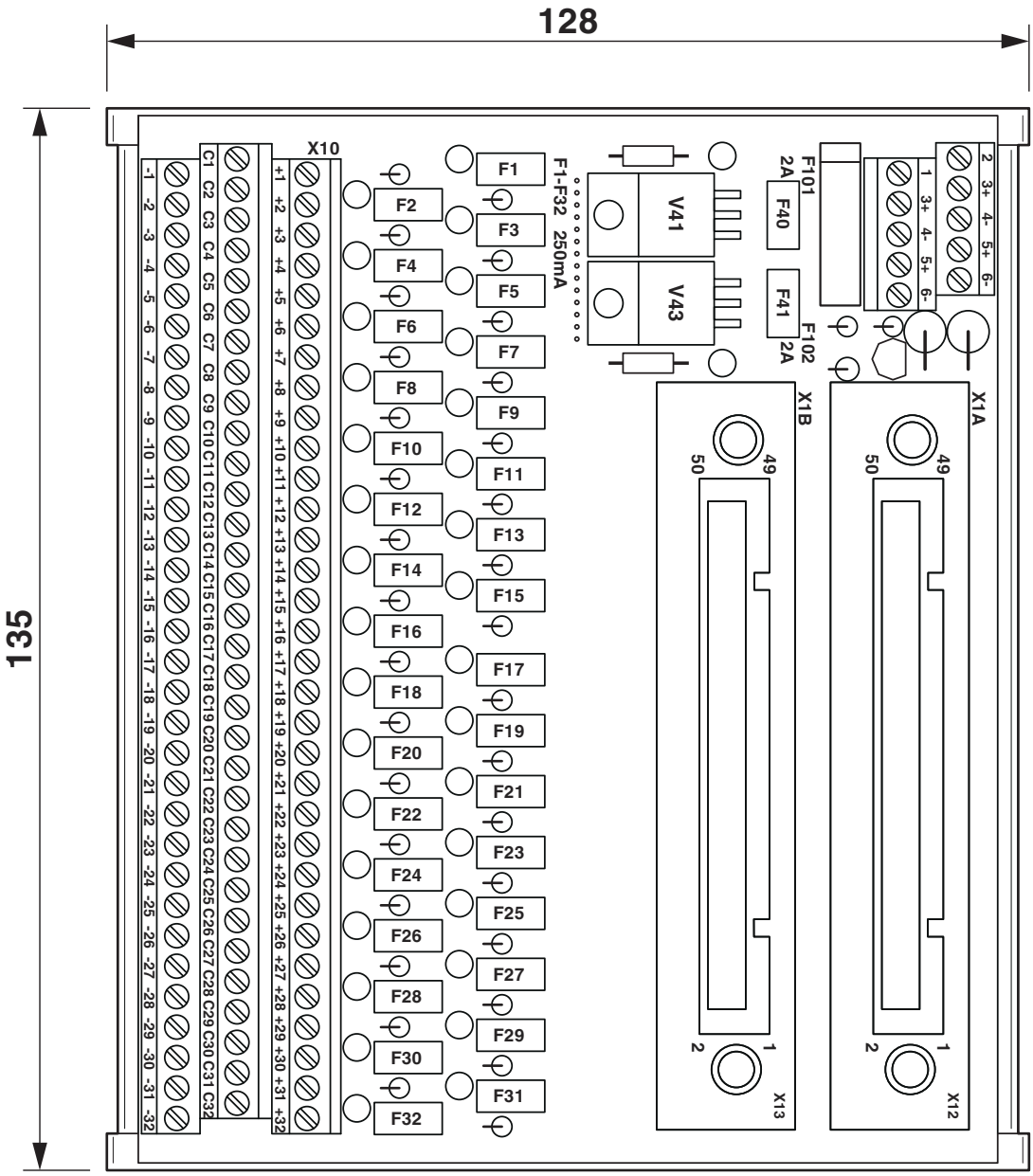
Notes

Notes on operation	Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch.
Notes on operation	No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC).

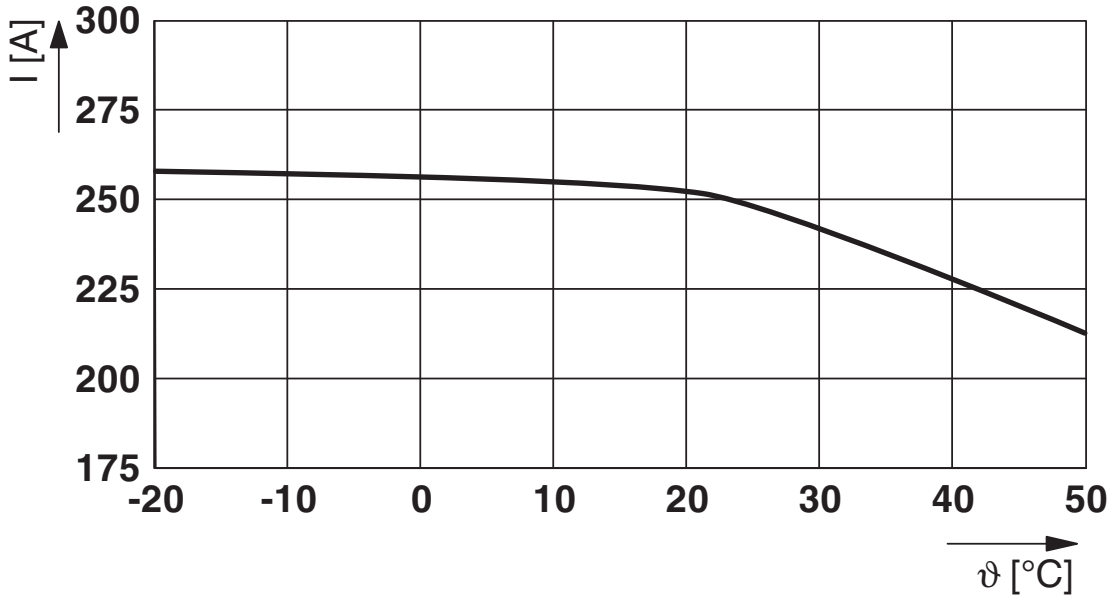
Notes on operation	Against adjacent modules in the support rail direction at least one functional insulation on the output-side is complied with. If the application has higher requirements on the insulation (basic insulation or reinforced insulation), then these must be realized through suitable measures (e. g. partition plates).
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.

Drawings

Dimensional drawing

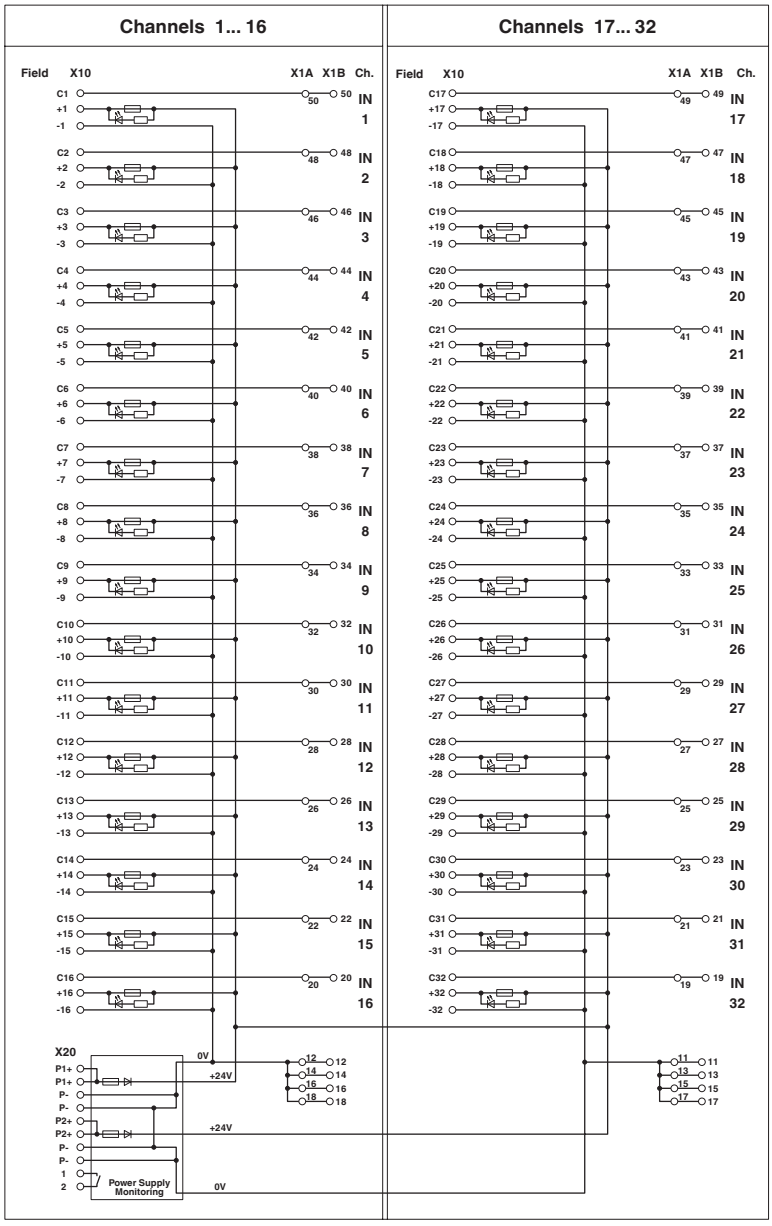


Diagram



Derating curve: TE5 fuse

Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 9.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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)
SCIP	6373d25f-4371-4748-82cf-b031bc6f8636

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