

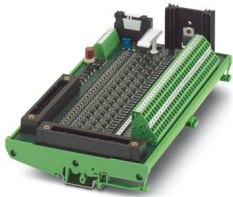
UM-32 NAM/I/MYCS - Active module



2968506

<https://www.phoenixcontact.com/us/products/2968506>

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VARIOFACE input module, 32 channels for NAMUR proximity sensors for Yokogawa ADV151, ADV161 I/O input modules.

Commercial data

Item number	2968506
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK219N
GTIN	4046356281904
Weight per piece (including packing)	576.8 g
Weight per piece (excluding packing)	576.8 g
Customs tariff number	85364190
Country of origin	DE

Technical data

Product properties

Product type	Interface module
No. of channels	32
Mechanical service life	approx. 10^7 cycles

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

Overvoltage category	I
Pollution degree	2

Electrical properties

Air clearances and creepage distances between the power circuits

Rated insulation voltage	50 V DC
Rated surge voltage	0.4 kV (Functional insulation)

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	ADV151
	ADV161

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFDV151
	NFDV161

Input data

Nominal input voltage U_N	24 V DC ± 10 % (Supply voltage)
Input voltage range	7.38 V DC ... 9.02 V DC (Control circuit (per channel))
Typical input current at U_N	max. 350 mA
Operating voltage display	Green LED

Control

Open-circuit voltage	8.2 V DC ± 10 %
Switching point	≥ 2.1 mA (In conductive state)
	≤ 1.2 mA (in disabled state)
	6.3 mA ... 10 mA (in the event of a short-circuit)
	0 mA ... 0.35 mA (In the event of a wire break)
Switching hysteresis	0.2 mA
Internal resistance	1 k Ω
Short-circuit current	≤ 10 mA

Output data

Switching

Maximum switching voltage	26.4 V DC
Minimum switching voltage	18.5 V DC

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Maximum inrush current	10 mA
Status display	LED (yellow)
Error detection (line break / short-circuit)	LED red

Connection data

Field level

Connection method	Spring-cage connection
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

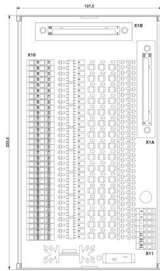
Controller level

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
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Dimensions

Dimensional drawing	
Width	223.5 mm
Height	127.5 mm
Depth	67 mm

Material specifications

Flammability rating according to UL 94	V0
Housing insulation material	PVC

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C

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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 note	in rows with zero spacing
Mounting position	any

Notes

Notes on operation	Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display.
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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Drawings

Dimensional drawing



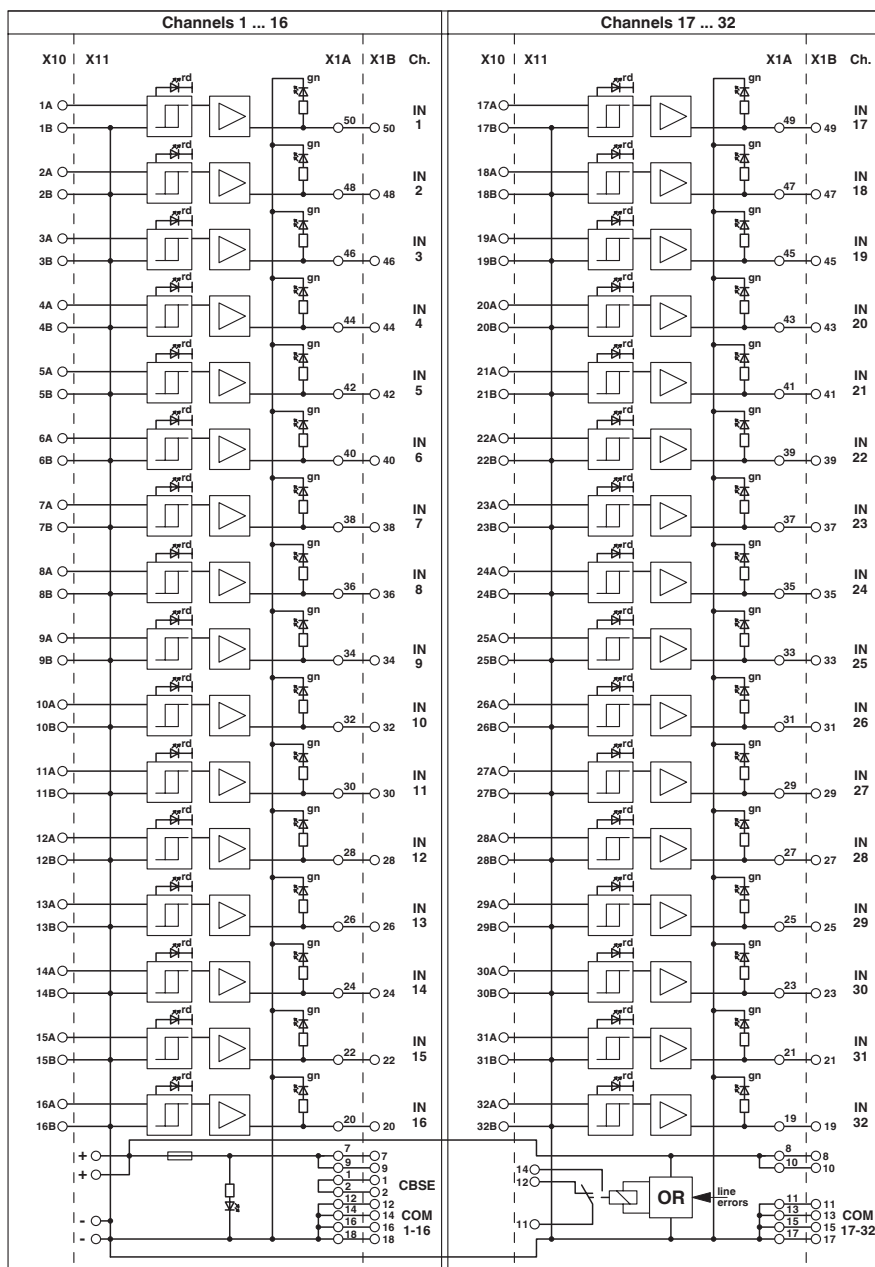
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Circuit diagram



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Classifications

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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