

# UM-32 NAM/I/M/DV - Active module

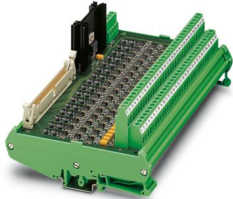


2305046

<https://www.phoenixcontact.com/us/products/2305046>

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Module with 32 proximity switches (Namur) for input cards of the Delta V control system)



## Commercial data

Item number	2305046
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK219K
GTIN	4017918995744
Weight per piece (including packing)	556.8 g
Weight per piece (excluding packing)	417.06 g
Customs tariff number	85364190
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
No. of channels	32

### Insulation characteristics

Overvoltage category	I
Pollution degree	2

### Electrical properties

Rated surge voltage	0.4 kV (Basic insulation)
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Supported controller: EMERSON DeltaV

Suitable I/O card	VE4001S2T2B5
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### Input data

Nominal input voltage $U_N$	24 V DC $\pm 20\%$
Input voltage range	18.5 V DC ... 28.8 V DC
Typical input current at $U_N$	max. 320 mA
Protective circuit	Reverse polarity protection; Polarity protection diode Fuse; Fuse (400 mA)
Operating voltage display	Green LED
Transmission frequency	350 Hz

### Control

Open-circuit voltage	8.2 V DC $\pm 10\%$
Switching point	$\geq 2.1$ mA (In conductive state) $\leq 1.2$ mA (In blocking 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	approx. 0.2 mA
Internal resistance	approx. 1 k $\Omega$
Short-circuit current	$\leq 10$ mA

### Output data

#### Switching

Maximum switching voltage	30 V DC
Limiting continuous current	10 mA
Operating voltage display	Green LED
Error detection (line break / short-circuit)	LED red

### Connection data

#### Field level

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Connection in acc. with standard	IEC / EN
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	103
Number of positions	6
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	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

## Signaling

Status display present	yes
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## Dimensions

Width	180.5 mm
Height	125.5 mm
Depth	76 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	Polyamide PA non-reinforced

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

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	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
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be met.

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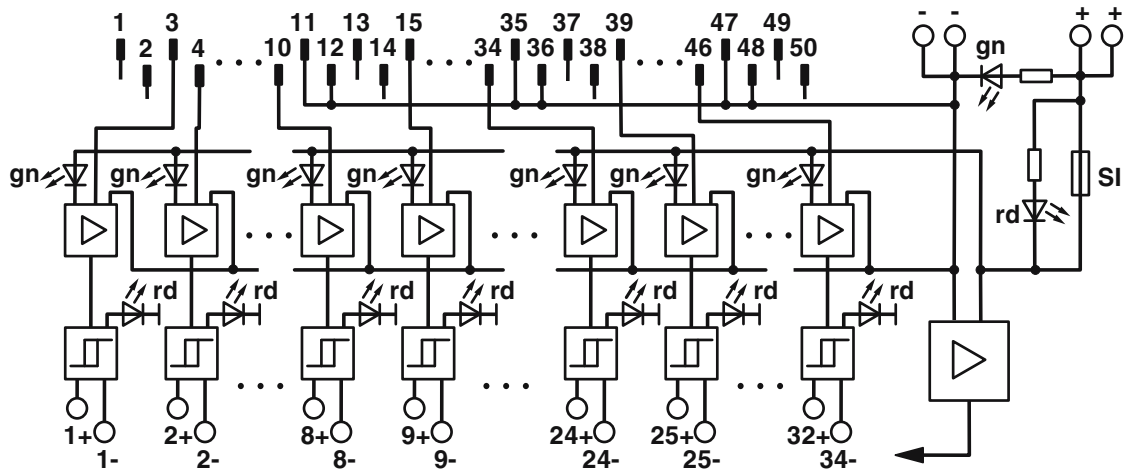


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## Drawings

Connection diagram



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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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