

# Active module - UM-32 NAM/I/M/DV - 2305046

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



## Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4017918995744

## Technical data

### Dimensions

Width	181 mm
Height	126 mm
Depth	75 mm

### Ambient conditions

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

### Input data

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

### Output data

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## Technical data

### Output data

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

### General

No. of channels	32
Mounting position	any
Assembly instructions	In rows with zero spacing
Housing insulation material	Polyamide PA non-reinforced
Color	green

### Connection data for connection 1

Connection name	Field level
Connection in acc. with standard	IEC / EN
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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
Number of connections	103
Number of positions	6

### Connection data for connection 2

Connection name	Controller level
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

### Control circuit

Non-load voltage	8.2 V DC ±10 %
Switching point	≥ 2.1 mA (In conductive state)
	≤ 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 kΩ
Short-circuit current	≤ 10 mA

### Supported controller

Corresponding control	Emerson DeltaV
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### Supported controller

Corresponding I/O card	VE4001S2T2B5
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### Standards and Regulations

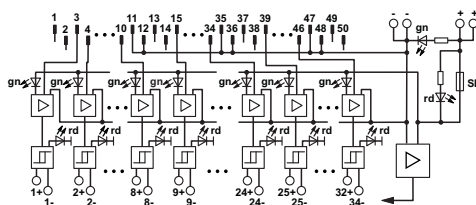
Standards/regulations	DIN EN 50178
Rated surge voltage	0.4 kV (basic insulation)
Degree of pollution	2
Overvoltage category	I

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Connection diagram



## Approvals

### Approvals

Approvals

EAC

Ex Approvals

### Approval details

EAC		RU C- DE.A*30.B.01742
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