

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 |
| Weight per Piece (excluding packing) | 556.8 GRM |
| Custom tariff number | 85364190 |
| Country of origin | Germany |

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 | Protection against polarity reversal |
| Protective circuit/component | Polarity protection diode |
| 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 |
| Standards/regulations | DIN EN 50178 |
| Pollution degree | 2 |
| Surge voltage category | I |
| 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 | PCB connection |
| Number of connections | 103 |
| Connection method | Screw connection |
| Number of positions | 6 |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Screw thread | M3 |
| Stripping length | 8 mm |

Connection data for connection 2

| | |
|-----------------------|------------------------------|
| Connection name | Flat-ribbon cable connection |
| Number of connections | 1 |
| Connection method | IDC/FLK pin strip (2.54 mm) |
| Number of positions | 50 |

Control circuit

| | |
|------------------|-------------------------------------|
| Non-load voltage | 8.2 V DC \pm 10 % |
| Switching point | \geq 2.1 mA (In conductive state) |
| | \leq 1.2 mA (In blocking state) |

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Control circuit

| | |
|-----------------------|---|
| | 6.3 mA ... 10 mA (in the event of a short-circuit) |
| | 0 mA ... 0.35 mA AC/DC (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 |
| Corresponding I/O card | VE4001S2T2B5 |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001437 |
| ETIM 3.0 | EC001437 |
| ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11 | 39121515 |
| UNSPSC 12.01 | 39121515 |
| UNSPSC 13.2 | 39121515 |

Approvals

Approvals

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Approvals

Approvals

CE09

Ex Approvals

Approvals submitted

Approval details

| | |
|----------------------------|-----------|
| CE09 | |
| | |
| mm ² /AWG/kcmil | null-null |

Drawings

Connection diagram

