

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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 <sub>N</sub>	24 V DC ±20 %
Typical input current at U <sub>N</sub>	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



## 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 mm²
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm²
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 ±10 %
Switching point	≥ 2.1 mA (In conductive state)
	≤ 1.2 mA (In blocking state)



## Technical data

### 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

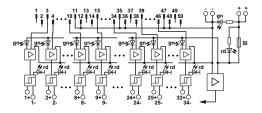


Approvals		
CE09		
Ex Approvals		
Approvals submitted		
Approval details		
CE09		
mm²/AWG/kcmil	null-null	

## Drawings

Approvals

### Connection diagram



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