imall

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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Configurable NAMUR switching amplifier for proximity sensors, floating switching contacts and switching contacts with resistance circuit. On the output side 2 N/O contact, with spring-cage connection

The figure shows a version with a screw connection

Product Features

- Floating contacts and contacts with resistance circuit can be connected
- Power supply possible via the foot element (TBUS)
- Mighly compact isolation amplifier for electrical isolation, amplification, and duplication of proximity sensor signals
- ☑ For proximity sensors according to IEC 60947-5-6 and EN 50227
- Error indication via diagnostic LED and analog signal
- Second output can be used as a duplicator or error signaling output
- M/O contacts at output
- ☑ Input and output signals can be configured via DIP switches
- ☑ 3-way isolation
- ☑ Operating current/closed circuit current switch-over (inverted switching behavior)



Key commercial data

| Packing unit | 1 pc |
|--------------------------------------|----------|
| Weight per Piece (excluding packing) | 69.2 GRM |
| Custom tariff number | 85437090 |
| Country of origin | Germany |

Technical data

Note

| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download |
|-------------------------|--|
| | area |



Technical data

Dimensions

| Width | 6.2 mm |
|--------|----------|
| Height | 93.1 mm |
| Depth | 102.5 mm |

Ambient conditions

| Ambient temperature (operation) | -20 °C 65 °C |
|---|--------------|
| Ambient temperature (storage/transport) | -40 °C 85 °C |
| Degree of protection | IP20 |

Power supply

| Designation | Supply |
|--------------------------|-------------------|
| Nominal supply voltage | 24 V DC |
| Supply voltage range | 19.2 V DC 30 V DC |
| Max. current consumption | < 25 mA |
| Power consumption | < 600 mW |

Connection data

| Connection method | Spring-cage connection |
|--|------------------------|
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Stripping length | 8 mm |

General

| No. of channels | 2 |
|-----------------------------------|---|
| Electrical isolation | Basic insulation according to EN 61010 |
| Surge voltage category | |
| Pollution degree | 2 |
| Rated insulation voltage | 250 V AC (Input/relay outputs) |
| Test voltage, input/output/supply | 1.5 kV (50 Hz, 1 min.) |
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise emission | EN 61000-6-4 |
| Noise immunity | EN 61000-6-2 When being exposed to interference, there may be minimal deviations. |
| Color | green |
| Housing material | РВТ |
| Mounting position | any |
| | |

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Technical data

General

| Conformance | CE-compliant |
|------------------|---|
| ATEX | # II 3 G Ex nA nC IIC T4 Gc X |
| UL, USA / Canada | UL 508 Recognized |
| | Class I, Div. 2, Groups A, B, C, D T5 applied for |
| GL | GL EMC 2 D |

EMC data

| Designation | Electromagnetic RF field |
|-----------------------|--------------------------|
| Standards/regulations | EN 61000-4-3 |
| Evaluation criterion | A |
| Designation | Fast transients (burst) |
| Standards/regulations | EN 61000-4-4 |
| Evaluation criterion | A |
| Designation | Conducted interferences |
| Standards/regulations | EN 61000-4-6 |
| Evaluation criterion | A |

Classifications

eCl@ss

| eCl@ss 4.0 | 27210120 |
|------------|----------|
| eCl@ss 4.1 | 27210120 |
| eCl@ss 5.0 | 27210120 |
| eCl@ss 5.1 | 27210120 |
| eCl@ss 6.0 | 27210120 |
| eCl@ss 7.0 | 27210120 |
| eCl@ss 8.0 | 27210120 |

ETIM

| ETIM 2.0 | EC001485 |
|----------|----------|
| ETIM 3.0 | EC001485 |
| ETIM 4.0 | EC001485 |
| ETIM 5.0 | EC001485 |

UNSPSC

| UNSPSC 6.01 | 30211506 |
|---------------|----------|
| UNSPSC 7.0901 | 39121008 |
| UNSPSC 11 | 39121008 |



Classifications

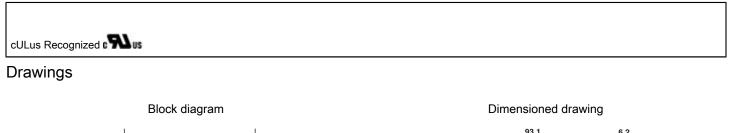
UNSPSC

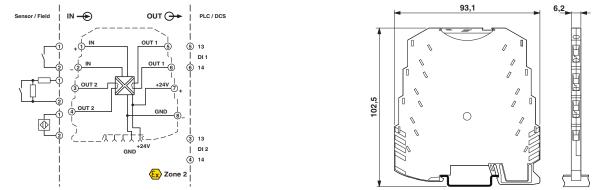
| | 2010/000 |
|--|----------|
| UNSPSC 12.01 | 39121008 |
| UNSPSC 13.2 | 39121008 |
| Approvals | |
| Approvals | |
| | |
| | |
| Approvals | |
| UL Recognized / cUL Recognized / GL / UL Recognized / cUL Recognized / GL / cULus Recognized | |
| Ex Approvals | |
| ATEX / ATEX | |
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| Approvals submitted | |
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| Approval details | |
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| cUL Recognized | |
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GL



Approvals





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