

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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Plug-in miniature power relay, with power contact, 2 PDTs, 24 V DC input voltage, UL/cUL: approved for use in Ex Zone Class 1 Div 2



# **Key Commercial Data**

Packing unit	1 STK
Weight per Piece (excluding packing)	16.000 g
Custom tariff number	85364190
Country of origin	Austria

### Technical data

### **Dimensions**

Width	12.7 mm
Height	29 mm
Depth	15.7 mm

### Ambient conditions

Ambient temp	perature (operation)	-40 °C 85 °C
Ambient temp	perature (storage/transport)	-40 °C 85 °C

### Coil side

Nominal input voltage U <sub>N</sub>	12 V DC
Input voltage range in reference to U <sub>N</sub>	see diagram
Typical input current at U <sub>N</sub>	33 mA
Typical response time	7 ms
Typical release time	3 ms
Coil resistance	360 Ω ±10 % (at 20 °C)
Power dissipation for nominal condition	0.4 W

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# Technical data

### Contact side

Contact type	2 PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 10 mA)
Min. switching current	10 mA (At 5 V)
Maximum inrush current	25 A (20 ms)
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	190 W (at 24 V DC)
	85 W (at 48 V DC)
	60 W (at 60 V DC)
	44 W (at 110 V DC)
	60 W (at 220 V DC)
	2000 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (at 24 V, DC13)
	0.2 A (at 250 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 250 V, AC15)

### General

5 kV AC (50 Hz, 1 min.)
2.5 kV AC (50 Hz, 1 min.)
100% operating factor
RT III
3 x 10 <sup>7</sup> cycles
IEC 60664
EN 50178
IEC 62103
Basic insulation
3
III
any
Can be aligned without spacing (> 70 °C ≥ 2.5 mm)

### Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178



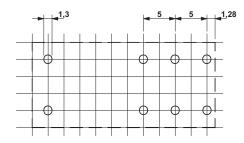
### Technical data

### Standards and Regulations

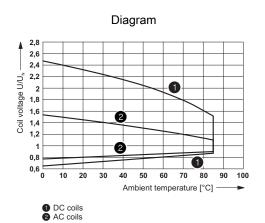
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Degree of pollution	3
Overvoltage category	III

# **Drawings**

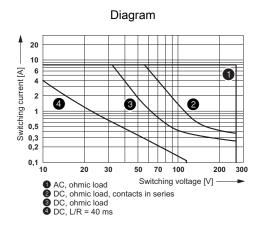
Drilling diagram



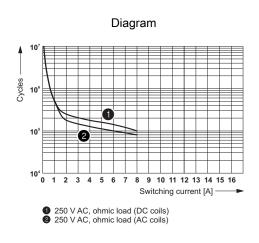
a = pitch division 2.5 mm



Operating voltage range



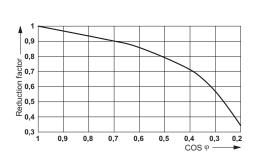
Interrupting rating



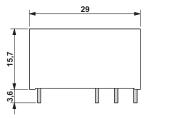
Electrical service life



Diagram



### Dimensional drawing





Service life reduction factor with various cos phi

### Classifications

# eCl@ss

eCl@ss 4.0	27371104
eCl@ss 4.1	27371104
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

### **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 UL Recognized / cUL Recognized / cULus Recognized Ex Approvals Approval details UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 228652 cUL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 228652

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