



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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Solid-state contactor - ELR 1-230AC/600AC-30 - 2297167

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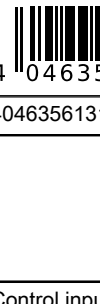
Single-phase solid-state contactor, input voltage: 230 V AC, output current: 30 A, zero voltage switch

Why buy this product

- High switching frequency
- Wear and bounce-free
- 24 V DC and 230 V AC input voltage versions



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 131995
GTIN	4046356131995

Technical data

Input data

Input name	Control input
Rated actuating voltage U_c	230 V AC
Triggering voltage range	24 V AC ... 275 V AC
Rated actuating current I_c	approx. 17 mA
Switching threshold	≤ 6 V AC ("0" signal) ≥ 22 V AC ("1" signal)
Transmission frequency	6 Hz
Operating voltage display	Green LED

Output data load output

Operating voltage range	42 V AC ... 660 V AC
Load current range	150 mA ... 30 A (see to derating)
Rated operating current at AC-51	30 A
Rated operating current at AC-53a	15 A

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Technical data

Output data load output

Leakage current	< 3 mA (In off state)
Residual voltage	< 1.6 V
Surge current	400 A (t = 10 ms)
Protective circuit	RCV circuit

Connection data, control circuit

Connection name	Control circuits
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M4
Conductor cross section solid	0.5 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.5 mm ² ... 2.5 mm ²
Conductor cross section AWG	20 ... 14

Connection data load circuit

Connection name	Load circuit
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M4
Conductor cross section solid	0.5 mm ² ... 4 mm ²
Conductor cross section flexible	0.5 mm ² ... 4 mm ²
Conductor cross section AWG	20 ... 12

General

Test voltage input/output	4 kV _{rms}
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with ≥ 22.5 mm spacing

Dimensions

Width	22.5 mm
Height	103 mm
Depth	103 mm

Ambient conditions

Ambient temperature (operation)	-30 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C

Standards and Regulations

Connection in acc. with standard	CUL
Designation	Standards/regulations
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5

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Technical data

Standards and Regulations

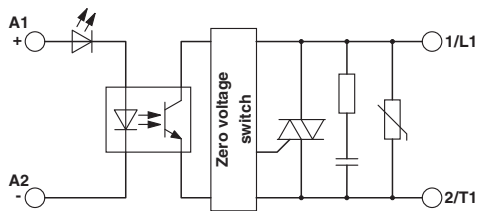
	EN 61000-4-6
	EN 55011

Environmental Product Compliance

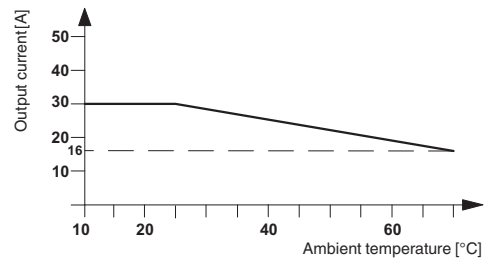
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Block diagram



Diagram



Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details


UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 195083
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 195083
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Approvals

EAC		RU C- DE.A*30.B.01082
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