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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.

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

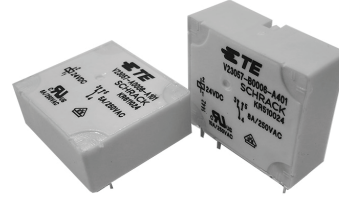
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Power PCB Relay Card E

- 1 pole 8A, 1 form C (CO) or 1 form A (NO) contact
- 4kV coil-contact
- Vertical and horizontal version
- Wash tight
- RoHS compliant (Directive 2011/65/EC)



Typical applications
I/O modules, heating control, timers



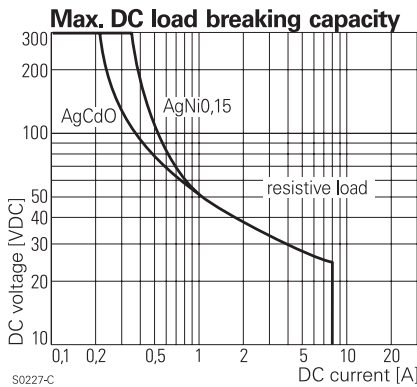
Approvals

VDE Cert. No. 5146, UL E214025
Technical data of approved types on request

Contact Data	8A	5A	bifurcated
Contact arrangement	1 form C (CO) or 1 form A (NO)		
Rated voltage	250VAC		
Max. switching voltage	400VAC		
Rated current	8A	5A	5A
Limiting making current, max 4 s, duty factor 10%	15A	-	-
Breaking capacity max.	2000VA	1250VA	1250VA
Contact material	AgCdO, AgNi20	AgNi0.15	AgNi0.15
Contact style	single contact	single contact	bifurcated contact
Frequency of operation, with/without load	360/72000h ⁻¹		
Operate/release time typ.	7/3ms		
Bounce time typ., form A/form B	0.5/3ms		

Contact ratings

Type	Contact	Load	Cycles
IEC61810			
AgCdO	C (CO)	8A, 250VAC, resistive, 70°C	20x10 ³
AgNi20	C (CO)	8A, 250VAC, resistive 70°C	20x10 ³
AgCdO	A (NO)	8A, 250VAC, resistive, 70°C	20x10 ³
AgNi20	A (NO)	8A, 250VAC, resistive, 70°C	30x10 ³
AgNi0.15	A (NO)	5A, 250VAC, resistive, 70°C	20x10 ³
Mechanical endurance	>20x10 ⁶ operations		



Coil Data

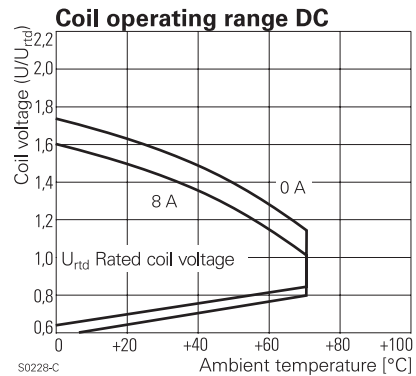
Coil voltage range 6 to 110VDC

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance $\Omega \pm 15\%^{1)}$	Rated coil power mW
001	6	4.2	0.6	80 ¹⁾	450
002	12	8.3	1.2	330 ¹⁾	436
006	24	16.8	2.4	1200	480
013	48	33.6	4.8	4700	490
023	60	42.0	6.0	7200	500
028	110	77.0	11.0	23400	517

1) Coil resistance $\pm 10\%$.

All figures are given for coil without pre-energization, at ambient temperature +23°C.



Other coil voltages on request.

Insulation Data

Initial dielectric strength	
between open contacts	1000V _{rms}
between contact and coil	4000V _{rms}
Clearance/creepage	
between contact and coil	$\geq 4/4$ mm
Material group of insulation parts	IIIa
Tracking index of relay base	PTI225V

Power PCB Relay Card E (Continued)

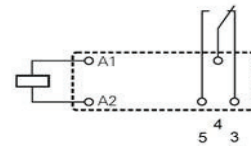
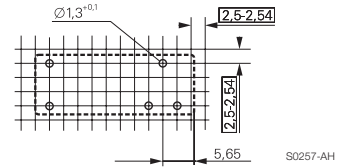
Other Data

Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature	-40 to +70°C
Category of environmental protection	RTIII - wash tight
IEC 61810	
Terminal type	PCB-THT
Mounting distance	5mm
Weight	14g
Resistance to soldering heat THT	
IEC 60068-2-20	260°C/5s
Packaging/unit	tube/20 pcs., box/400 pcs.

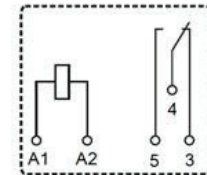
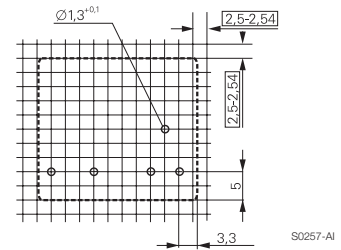
PCB layout / terminal assignment

Bottom view on solder pins

Vertical version

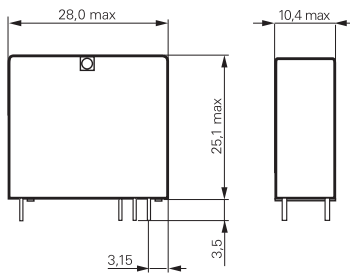


Horizontal version



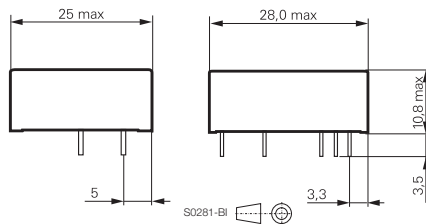
Dimensions

Vertical version



S0280-AH

Horizontal version



S0281-BI

Power PCB Relay Card E (Continued)

Product code structure	Typical product code	V23057	-A	0	006	-A	1	01
Type		V23057 Power PCB Relay Card E						
Version		A Horizontal B Vertical						
Version		0 Standard (nature white)						
Coil		Coil code: please refer to coil versions table						
Contact set		A Single contact						
Contact material		1 AgNi 0.15 2 AgNi 20 4 AgCdO						
Contact configuration		01 1 form C contact (1 CO) 02 1 form A contact (1 NO)						

Product code	Version	Contact arrangement	Contact material	Coil	Part Number	
V23057-A0002-A101	Horizontal	1 form C (CO) contact	AgNi 0.15	12VDC	1393215-4	
V23057-A0002-A401			AgCdO		1393215-9	
V23057-A0006-A101			AgNi 0.15	24VDC	2-1393215-1	
V23057-A0006-A201			AgNi 20		2-1393215-3	
V23057-A0006-A401			AgCdO		2-1393215-5	
V23057-B0001-A101	Vertical	1 form C (CO) contact	AgNi 0.15	6VDC	6-1393215-6	
V23057-B0002-A101			12VDC	6-1393215-7		
V23057-B0002-A201				AgNi 20	6-1393215-9	
V23057-B0002-A401			AgCdO	7-1393215-1		
V23057-B0006-A101			24VDC	AgNi 0.15	7-1393215-5	
V23057-B0006-A102				1 form A (NO) contact	7-1393215-9	
V23057-B0006-A201				1 form C (CO) contact	8-1393215-1	
V23057-B0006-A401				AgCdO	8-1393215-5	
V23057-B0006-A402				1 form A (NO) contact	8-1393215-6	
V23057-B0023-A201				1 form C (CO) contact	AgNi 20	60VDC

This list represents the most common types and does not show all variants covered by this data sheet.
Other types on request