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

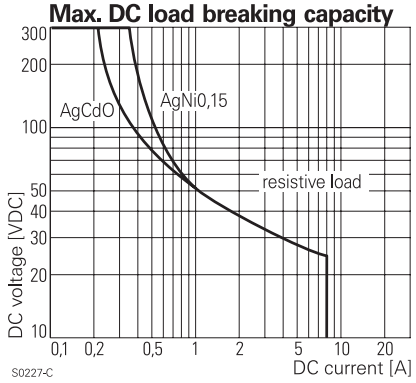
VDE Cert. No. 5146 (not for AgSnO version), UL E214025
Technical data of approved types on request

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	AgSnO, 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	$20x10^3$
AgNi20	A (NO)	8A, 250VAC, resistive, 70°C	$30x10^3$
AgNi0.15	A (NO)	5A, 250VAC, resistive, 70°C	$20x10^3$
UL508			
Series A101:	C (CO)	8A, 250VAC, general purpose, 70°C	$6x10^3$
Series A201:	C (CO)	8A, 250VAC, general purpose, 70°C	$6x10^3$
Series A901:	C (CO)	10A, 250VAC, general purpose, 70°C	$6x10^3$
Mechanical endurance		$>20x10^6$ operations	

Max. DC load breaking capacity



Coil Data

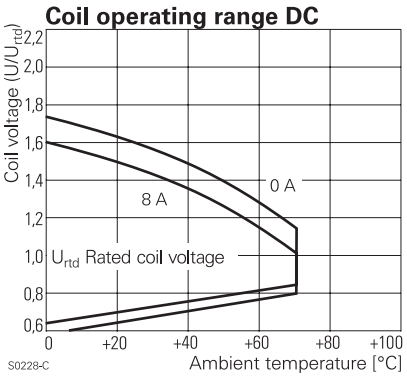
Coil voltage range	6 to 110VDC

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±15%[1]	Rated coil power mW
008	5	3.5	0.5	46[1]	543
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 ±10%.
All figures are given for coil without pre-energization, at ambient temperature +23°C.
Other coil voltages on request.

Coil operating range DC



Insulation Data

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

Other Data

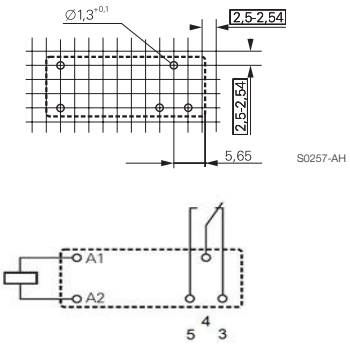
09-2018, Rev. 0918
www.te.com

Power PCB Relay Card E (Continued)

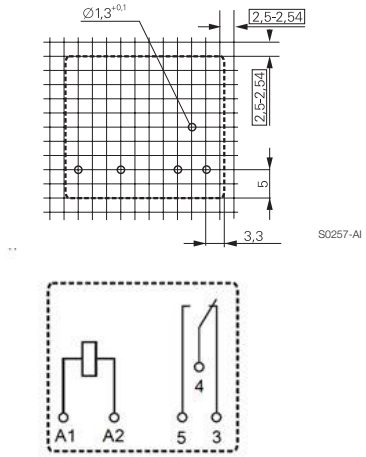
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter	
Ambient temperature	-40 to +70°C
Category of environmental protection IEC 61810	RTIII - wash tight
Terminal type	PCB-THT
Mounting distance	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

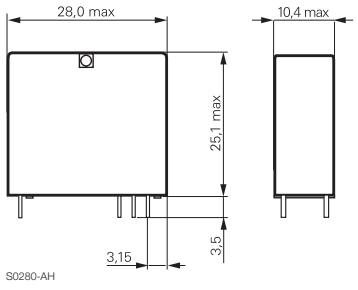


Horizontal version

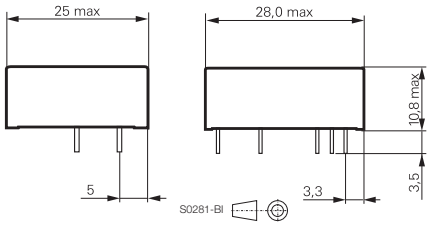


Dimensions

Vertical version



Horizontal version



09-2018, Rev. 0918
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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) **3** nature white (formerlyorange [3])

Coil
Coil code: please refer to coil versions table

Contact set
A Single contact **B** Bifurcated contact

Contact material
1 AgNi 0.15
2 AgNi 20
4 AgCdO [2]
9 AgSnO

Contact configuration
01 1 form C contact (1 CO)
02 1 form A contact (1 NO)

2) AgCdO contacts are discontinued (see PCN E-17-015248)
3) Relay color changed from orange to nature white (see PCN P-13-009534)

Product code	Version	Contact arrrangement	Contact material	Coil	Approval	Part Number
V23057-A0002-B101	Horizontal	form C (CO) bif. contact	AgNi 0.15	12VDC	VDE, UL	1-1393215-1
V23057-A0006-B101		form C (CO) bif. contact	AgNi 0.15	24VDC	VDE, UL	3-1393215-0
V23057-A0001-A101		1 form C (CO) contact	AgNi 0.15	6VDC	VDE, UL	1393215-1
V23057-A0002-A101		1 form C (CO) contact	AgNi 0.15	12VDC	VDE, UL	1393215-4
V23057-A0002-A102		1 form A (NO) contact	AgNi 0.15	12VDC	VDE	1393215-5
V23057-A0006-A101		1 form C (CO) contact	AgNi 0.15	24VDC	VDE, UL	2-1393215-1
V23057-A0006-A102		1 form A (NO) contact	AgNi 0.15	24VDC	VDE	1415546-6
V23057-A0008-A101		1 form C (CO) contact	AgNi 0.15	5VDC	VDE, UL	3-1393215-4
V23057-A0013-A101		1 form C (CO) contact	AgNi 0.15	48VDC	VDE, UL	3-1393215-8
V23057-A0023-A101		1 form C (CO) contact	AgNi 0.15	60VDC	VDE, UL	5-1393215-5
V23057-A0028-A101		1 form C (CO) contact	AgNi 0.15	110VDC	VDE, UL	5-1393215-9
V23057-B0001-A101	Vertical	1 form C (CO) contact	AgNi 0.15	6VDC	VDE, UL	6-1393215-6
V23057-B0002-A101		1 form C (CO) contact	AgNi 0.15	12VDC	VDE, UL	6-1393215-7
V23057-B0002-A102		1 form A (NO) contact	AgNi 0.15	12VDC	VDE	1415546-8
V23057-B0006-A101		1 form C (CO) contact	AgNi 0.15	24VDC	VDE, UL	7-1393215-5
V23057-B0006-A102		1 form A (NO) contact	AgNi 0.15	24VDC	VDE	7-1393215-9
V23057-B0013-A101		1 form C (CO) contact	AgNi 0.15	48VDC	VDE, UL	9-1393215-4
V23057-B0023-A101		1 form C (CO) contact	AgNi 0.15	60VDC	VDE, UL	1415546-5
V23057-A0002-A201	Horizontal	1 form C (CO) contact	AgNi20	12VDC	VDE, UL	1393215-6
V23057-A0006-A201		1 form C (CO) contact	AgNi20	24VDC	VDE, UL	2-1393215-3
V23057-B0002-A201	Vertical	1 form C (CO) contact	AgNi20	12VDC	VDE, UL	6-1393215-9
V23057-B0006-A201		1 form C (CO) contact	AgNi20	24VDC	VDE, UL	8-1393215-1
V23057-B0006-A202		1 form A (NO) contact	AgNi20	24VDC	VDE	8-1393215-3
V23057-B0023-A201		1 form C (CO) contact	AgNi20	60VDC	VDE, UL	2-1415543-8
V23057-B0028-A201		1 form C (CO) contact	AgNi20	110VDC	VDE, UL	2-1415543-9
V23057-A0001-A901	Horizontal	1 form C (CO) contact	AgSnO	6VDC	UL	2-1415372-1
V23057-A0002-A901		1 form C (CO) contact	AgSnO	12VDC	UL	1-1393215-0
V23057-A0006-A901		1 form C (CO) contact	AgSnO	24VDC	UL	2-1393215-8
V23057-A0013-A901		1 form C (CO) contact	AgSnO	48VDC	UL	4-1393215-2
V23057-B0006-A901	Vertical	1 form C (CO) contact	AgSnO	24VDC	UL	8-1393215-8
V23057-B0023-A901		1 form C (CO) contact	AgSnO	60VDC	UL	1415538-4
V23057-B0028-A901		1 form C (CO) contact	AgSnO	110VDC	UL	1415538-6

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

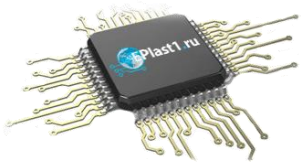
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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