

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
- Version with bifurcated contacts
- Wash tight
- RoHS compliant (Directive 2002/95/EC)

Typical applications I/O modules, heating control, timers



VDE CTUS

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VDE REG.-Nr. 5146, UL E214025
Technical data of approved types on request

bifurcated **Contact Data 8A 5A** Contact arrangement 1 form C (CO) or 1 form A (NO) Rated voltage 250VAC 400VAC Max. switching voltage Rated current 88 5A 5A Limiting making current, max 4 s, duty factor 10% 1250VA Breaking capacity max. 2000VA 1250VA Contact material AgCdO, AgNi0.15 AgNi0.15 AgNi20 Contact style single single bifurcated contact contact contact Frequency of operation, with/without load 360/72000h

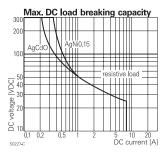
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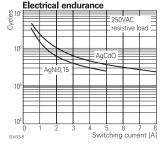
Operate/release time typ.

Bounce time typ., form A/form B

Contact rating	5		
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 >20x10⁶ operations





7/3ms

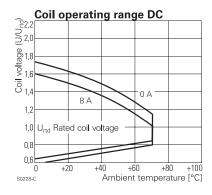
0.5/3ms

Coil Data		
Coil voltage range	6 to 60VDC	

Coil vers	sions, DC co	il			
Coil	Rated	Operate	Release	Coil	Rated coil
code	voltage	voltage	voltage	resistance	power
	VDC	VDC	VDC	$\Omega \pm 15\%^{1)}$	mW
001	6	4.0	0.6	80 ¹⁾	450
002	12	8.0	1.2	3301)	436
006	24	16.0	2.4	1200	480
013	48	32.0	4.8	4700	490
023	60	40.0	6.0	7200	500

1) Coil resistance ±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	≥4/4mm
Material group of insulation parts	IIIa
Tracking index of relay base	PTI225V



Power PCB Relay Card E (Continued)

Other Data

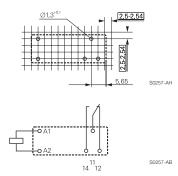
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customersupport/rohssupportcenter

Ambient temperature	-40 to +70°C		
Category of environmental protection			
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



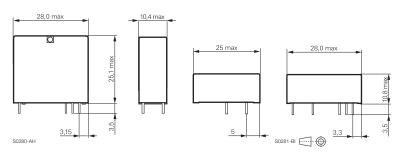
Horizontal version



Dimensions

Vertical version

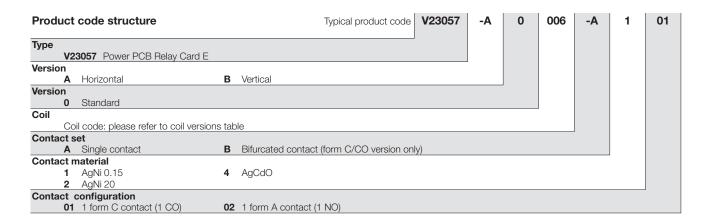
Horizontal version



S0257-AE



Power PCB Relay Card E (Continued)



Product code	Version	Contact arrangement	Contact material	Coil	Part number
V23057-A0002-A101	Horizontal	1 form C (CO) contact	AgNi0.15	12VDC	1393215-4
V23057-A0002-A401			AgCdO		1393215-9
V23057-A0006-A101			AgNi0.15	24VDC	2-1393215-1
V23057-A0006-A201			AgNi 20		2-1393215-3
V23057-A0006-A401			AgCdO		2-1393215-5
V23057-B0001-A101	Vertical		AgNi0.15	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			AgNi0.15	24VDC	7-1393215-5
V23057-B0006-A102		1 form A (NO) contact	_		7-1393215-9
V23057-B0006-A201		1 form C (CO) contact	AgNi 20		8-1393215-1
V23057-B0006-A401			AgCdO		8-1393215-5
V23057-B0006-A402		1 form A (NO) contact			8-1393215-6
V23057-B3006-A101		1 form C (CO) contact	AgNi0.15		2-1393216-6
V23057-B3023-A101				60VDC	2-1393216-8

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