

# Power PCB Relay Card E

1 pole 8 A



## Features

- 1 C/O or 1 N/O contact
- 4 kV coil-contact
- Vertical and horizontal version
- Version with bifurcated contacts
- Wash tight

## Applications

I/O modules, heating control, timers

F0151-B



Technical data of approved types on request

### Contact data

Configuration	1 C/O contact or 1 N/O contact
Type of contact	standard: single contact
Rated current	8 A / 5 A with AgNi 0.15
Rated voltage / max. breaking voltage AC	250 Vac / 440 Vac
Maximum breaking capacity AC	2000 VA
Make current (max. 4 s at duty cycle 10%)	15 A
Contact material	AgCdO, AgNi 20, AgNi 0.15

### Contact ratings

Type	Load	Operations
-A102	4 A, 30 Vdc, resistive	2x10 <sup>6</sup>
-A102	1 A, 24 Vdc, inductive L / R=40ms	2x10 <sup>5</sup>
-A402	1 A, 230 Vac, cosφ=0.4	5x10 <sup>5</sup>

### Coil data

Nominal voltage	6...60 Vdc
Nominal coil power	450...500 mW
Operate power	240 mW

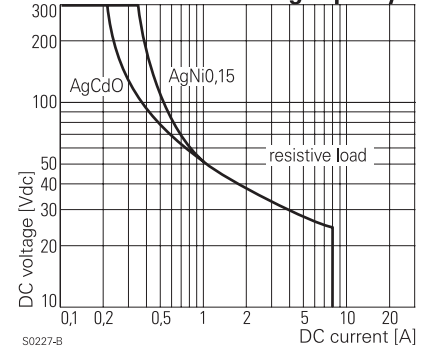
### Coil versions

Coil code	Nominal voltage Vdc	Pull-in voltage Vdc	Release voltage Vdc	Maximum voltage Vdc	Coil resistance Ω	Coil current mA
001	6	4.0	0.6	10.6	80±10%	75.0
002	12	8.0	1.2	21.5	330±10%	36.4
006	24	16.0	2.4	40.0	1200±15%	20.0
013	48	32.0	4.8	79.0	4700±15%	10.2
023	60	40.0	6.0	98.0	7200±15%	8.3

All figures are given for coil without preenergization, at ambient temperature +20°C

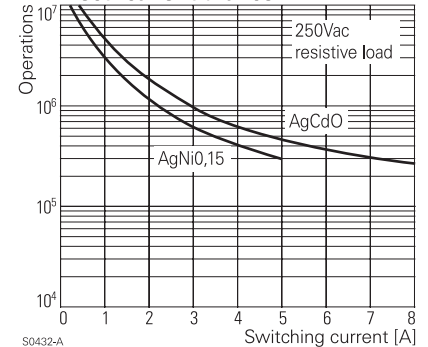
Other coil voltages on request

### Max. DC load breaking capacity



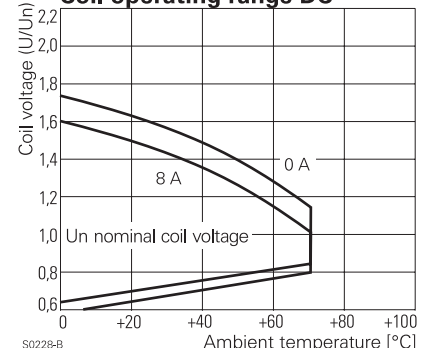
S0227-B

### Electrical endurance



S0432-A

### Coil operating range DC



S0228-B

# Power PCB Relay Card E

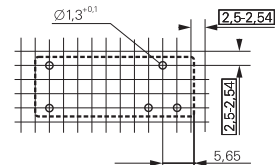
1 pole 8 A

Insulation		
Dielectric strength	coil-contacts	4000 V <sub>rms</sub>
	open contact circuit	1000 V <sub>rms</sub>
Clearance / creepage		4 / 4 mm
Insulation to IEC 60664		
Voltage rating		250 V
Pollution degree		3
Overvoltage category		III
Insulation to VDE 0110b (2/79)		
Insulation category / reference voltage		C / 250
Tracking resistance of relay base		CTI 250

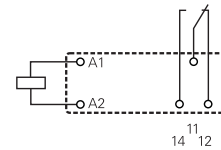
Other data	
Flammability class according to UL 94	V-0
Ambient temperature	-40...+70 °C
Mechanical life	approx. 20x10 <sup>6</sup> operations
Max. switching rate at rated- / minimum load	6 min <sup>-1</sup> / 20 s <sup>-1</sup>
Operate- / release time	7 / 3 ms
Bounce time N/O contact/N/C contact	0.5 / 3 ms
Category of protection (IEC 61810)	RT III - wash tight
Relay weight	14 g
Packaging unit	20 / 400 pcs.
Accessories	see accessories E

## PCB layout / terminal assignment

Vertical version

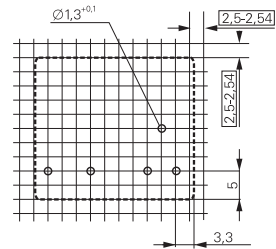


S0257-AH

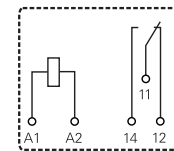


S0257-AB

Horizontal version



S0257-AI



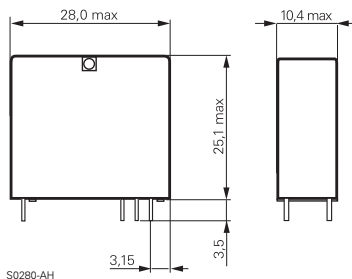
S0257-AE

View on solder pins  
Dimensions in mm

## Dimensions

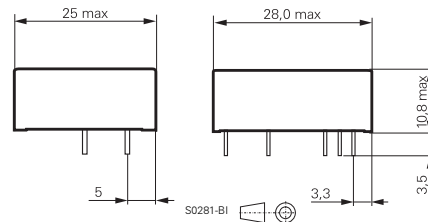
Dimensions in mm

Vertical version



S0280-AH

Horizontal version



S0281-BI

## Product key

V 2 3 0 5 7 - 0 - - - -

Type

Version

**A** horizontal **B** vertical

Version

**0** standard

Coil

**001** 6 V **013** 48 V  
**002** 12 V **023** 60 V  
**006** 24 V

Contact type

**A** single contact **B** bifurcated contact (C/O only)

Contact material

**1** AgNi0,15 **4** AgCdO  
**2** AgNi20

Contact configuration

**01** 1 C/O contact **02** 1 N/O contact

Other types on request

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1 pole 8 A

Product key	Version	Cont.type	Cont.material	Cont.config.	Coil	Part number	
V23057-A0002-A101	horizontal	single contact	AgNi 0.15	1 C/O	12 Vdc	0-1393215-4	
V23057-A0002-A401			AgCdO	contact		0-1393215-9	
V23057-A0006-A101			AgNi 0.15		24 Vdc	2-1393215-1	
V23057-A0006-A401			AgCdO				2-1393215-5
V23057-A0006-A402				1 N/O cont.		2-1393215-7	
V23057-A0013-A101				AgNi 0.15	1 C/O	48 Vdc	3-1393215-8
V23057-A0013-A401				AgCdO	contact		4-1393215-0
V23057-A0023-A101					AgNi 0.15		60 Vdc
V23057-A0023-A401			AgCdO			5-1393215-6	
V23057-B0002-A101	vertical		AgNi 0.15		12 Vdc	6-1393215-7	
V23057-B0002-A401			AgCdO				7-1393215-1
V23057-B0002-A402				1 N/O cont.		7-1393215-2	
V23057-B0006-A101			AgNi 0.15	1 C/O cont.	24 Vdc	7-1393215-5	
V23057-B0006-A102				1 N/O cont.		7-1393215-9	
V23057-B0006-A401			AgCdO	1 C/O cont.		8-1393215-5	
V23057-B0006-A402				1 N/O cont.		8-1393215-6	
V23057-B0013-A101			AgNi 0.15	1 C/O	48 Vdc	9-1393215-4	
V23057-B0013-A401			AgCdO	contact		9-1393215-6	
V23057-B0023-A401					60 Vdc	0-1393216-6	