

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 twin 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 ⁶
-A102	1 A, 24 Vdc, inductive L / R=40ms	2x10 ⁵
-A402	1 A, 230 Vac, cosφ=0.4	5x10 ⁵

Coil data

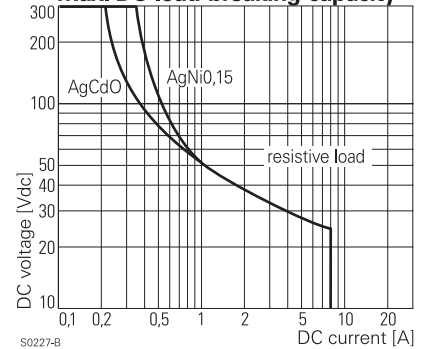
Nominal voltage	6...60 Vdc
Nominal coil power	450...500 mW
Operate power	240 mW

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

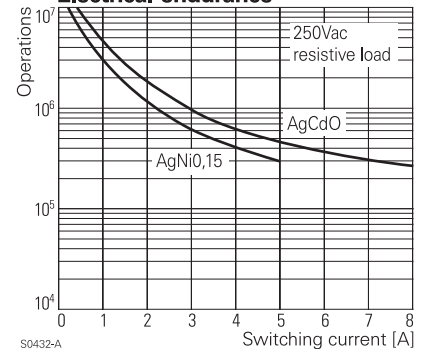
All figures are given for coil without preenergization, at ambient temperature +20°C
Other coil voltages on request

Max. DC load breaking capacity



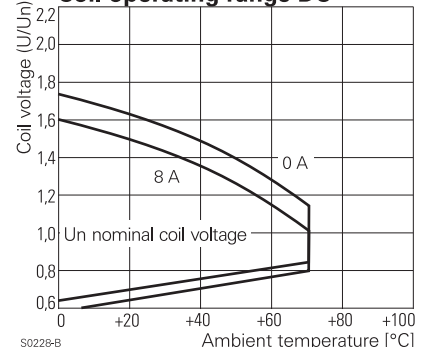
S0227-B

Electrical endurance



S0432-A

Coil operating range DC



S0228-B

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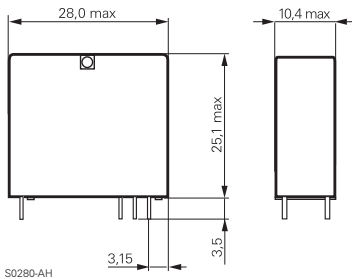
Insulation		
Dielectric strength	coil-contacts	4000 V _{rms}
	open contact circuit	1000 V _{rms}
Clearance / creepage		4 / 4 mm
Insulation to IEC 60664		
Voltage rating		250 V
Pollution degree		3
Overvoltage category		III
Insulation to VDE 0110b (2/79)		
Insulation category / reference voltage		C / 250
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 ⁶ operations
Max. switching rate at rated- / minimum load	6 min ⁻¹ / 20 s ⁻¹
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

Dimensions

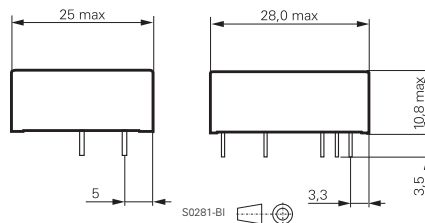
Dimensions in mm

Vertical version



S0280-AH

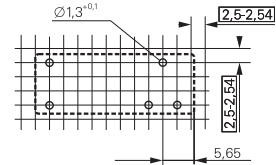
Horizontal version



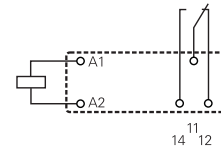
S0281-BI

PCB layout / terminal assignment

Vertical version

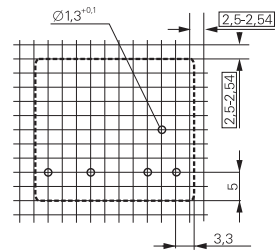


S0257-AH

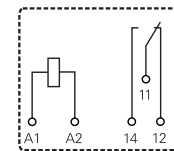


S0257-AB

Horizontal version



S0257-AI



S0257-AE

View on solder pins
Dimensions in mm

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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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	horizontal	single contact	AgNi 0.15	1 C/O	24 Vdc	2-1393215-1
V23057-A0006-A401			AgCdO			1 N/O cont.
V23057-A0006-A402			AgNi 0.15	1 C/O	48 Vdc	2-1393215-7
V23057-A0013-A101			AgCdO	contact	48 Vdc	3-1393215-8
V23057-A0013-A401			AgNi 0.15	1 C/O	60 Vdc	4-1393215-0
V23057-A0023-A101			AgCdO		60 Vdc	5-1393215-5
V23057-A0023-A401	vertical	single contact	AgNi 0.15	1 C/O	12 Vdc	5-1393215-6
V23057-B0002-A101			AgCdO			12 Vdc
V23057-B0002-A401			AgNi 0.15	1 N/O cont.	7-1393215-1	
V23057-B0002-A402			AgCdO	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			AgCdO	1 N/O cont.	7-1393215-9	
V23057-B0006-A401			AgNi 0.15	1 C/O cont.	8-1393215-5	
V23057-B0006-A402			AgCdO	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	48 Vdc	9-1393215-6
V23057-B0023-A101			AgNi 0.15	1 C/O	60 Vdc	0-1393216-5
V23057-B0023-A401			AgCdO		60 Vdc	0-1393216-6