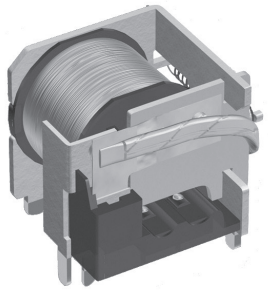
Power Relay K-S

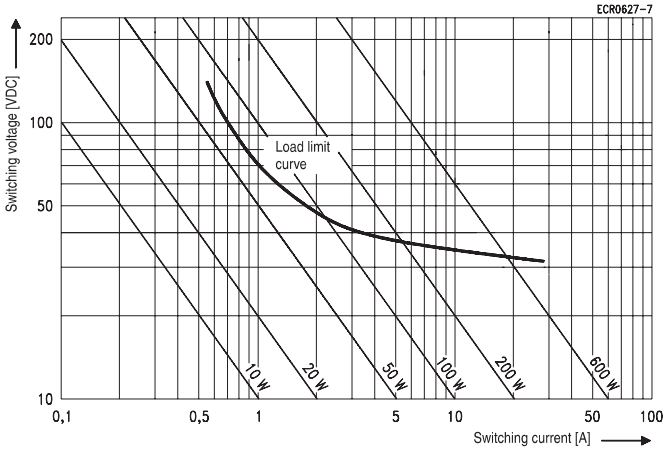
- **Very low voltage drop**
- **Wide voltage range**


C071S_fcw1b

Typical applications
ABS control, blower fans, cooling fan, engine control, glow plug, heated rear screen, ignition, main switch/supply relay, preheating system, valves, wiper control.

Contact Data	12VDC	24VDC
Contact arrangement	1 form A, 1 NO	
Rated voltage	12VDC	24VDC
Rated current	70A	
Limiting continuous current		
23°C	70A	
85°C	50A	
Limiting making current	300A[1)2)]	150A[1)2)]
Limiting breaking current	70A[1)]	35A[1)]
Contact material	AgNi0.15	
Min. recommended contact load	1A at 5VDC[3)]	
Initial voltage drop at 10A, typ./max.	10/300mV	
Frequency of operation	20 ops./s[4)]	
Operate/release time max.	typ. 4/3ms[5)]	
Electrical endurance		
resistive load,	>5x10^4 ops. at 13.5VDC, 50A	>1x10^5 ops. at 27.5VDC, 15A
Mechanical endurance	>10^6 ops.	

Max. DC load breaking capacity



Max. DC load breaking curve: safe shutdown, no stationary arc.
Load limit curves measured with low inductive resistors verified for 1000 switching events.

1) The values apply to a resistive or inductive load with suitable spark suppression and at maximum 13.5VDC for 12VDC or 27VDC for 24VDC load voltages.
2) For a load current duration of maximum 3s for a make/break ratio of 1:10.
3) See chapter Diagnostics of Relays in our Application Notes or consult the internet at http://relays.te.com/appnotes/
4) With load the values depend on PCB layer design and max. environmental temperature.
5) For unsuppressed relay coil. A low resistive suppression device in parallel to the relay coil increases the release time and reduces the lifetime caused by increased erosion and/or higher risk of contact tack welding (monostable version only).

Coil Data

Rated coil voltage	12VDC, 24VDC[6)]

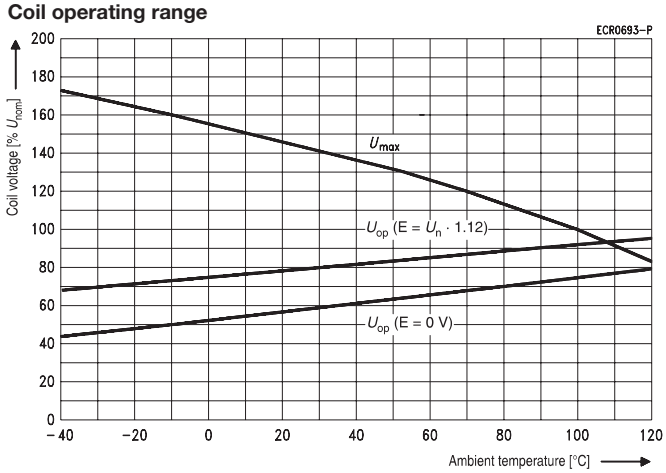
6) Other nominal voltages available on request.

Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated coil power W
009	12	6.9	1.2	64	2.3
010	24	14.1	2.4	234	2.5

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

Coil operating range



Does not take into account the temperature rise due to the contact current
E = pre-energization.

Insulation Data

Initial dielectric strength	
between contact and coil	500VACrms

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Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change.

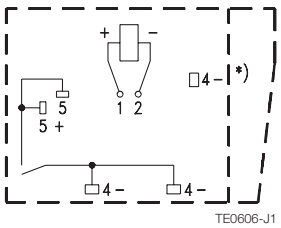
Power Relay K-S (Continued)

Other Data	
EU RoHS/ELV compliance	compliant
Ambient temperature	-40 to +85°C[6)]
Category of environmental protection, IEC 61810	RT II – fluxproof
Vibration resistance (functional) IEC 68-2-6 (sine pulse form), 10 to 200Hz no change in the switching state >10µs	20 to 40g
Shock resistance (functional) IEC 68-2-27 (half sine form single pulses), 8ms open form A (NO) contact will not close >10µs	30g
Terminal type	PCB
Weight	approx. 19g (0.68oz)
Resistance to soldering heat THT IEC 60068-2-20, Tb, method 1A,	10s+/-1s with shielding
Storage conditions	according IEC 60068[7)]
Packaging unit	400 pcs.

6) See graph: coil operating range.
7) For general storage and processing recommendations please refer to our Application Notes and especially to Storage in the Definitions or at http://relays.te.com/appnotes/

Terminal Assignment
Bottom view on solder pins

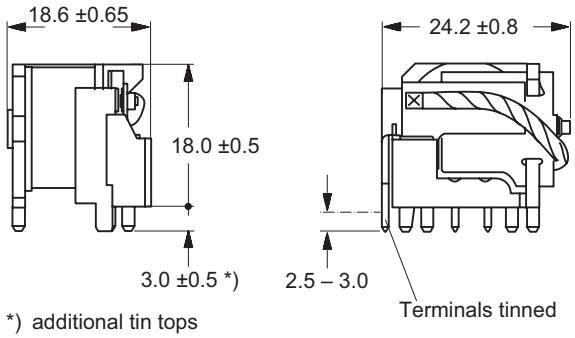
1 form A, 1 NO



TE0606-J1

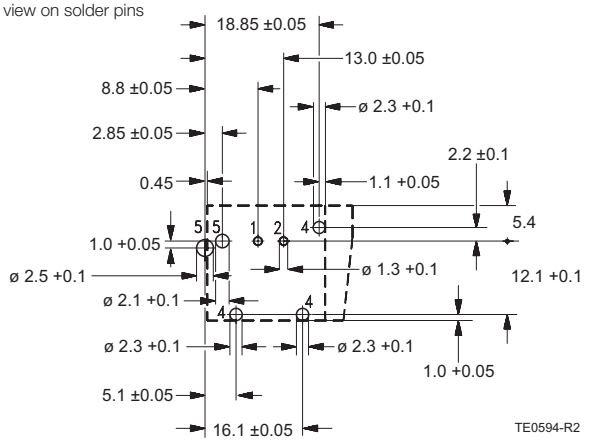
Note:
Check polarity and frame connection (ground)
* For mounting only, not for electrical connection.

Dimensions



*) additional tin tops max. 1.5 mm
TE2184-52

PCB Layout
Bottom view on solder pins



TE0594-R2

Product code structure

Typical product code: **V23071 -A 1 009 -A 13 2**

Type
V23071 Power Relay K-S
Terminal and enclosure
A PCB, open (RT II)
Design
1 Single relay
Coil
009 12VDC **010** 24VDC
Contact type
A Single contact
Contact material
13 AgNi0.15
Contact arrangement
2 1 form A, 1 NO

Product code	Terminal/Encl.	Design	Coil	Contact type	Cont. material	Arrangement	Part number
V23071-A1009-A132	PCB, open	Single relay	12 VDC	Single contact	AgNi0.15	1 form A, 1 NO	1393276-3
V23071-A1010-A132			24 VDC				1393276-7

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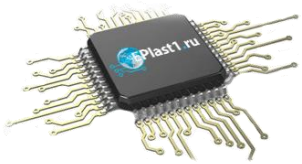
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Наши преимущества:

- 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.);

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- 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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