

### Power Relay K (Sealed) (Continued)

### Coil Data

Rated coil voltage	12VDC / 24VDC
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### Coil versions, DC coil

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance $\Omega \pm 10\%$	Rated coil power W
001	12	6.9	1.2	90	1.6
022	24	14.1	2.4	362	1.6

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

### Insulation Data

Initial dielectric strength	
between open contacts	500VAC <sub>rms</sub>
between contact and coil	500VAC <sub>rms</sub>

## Other Data

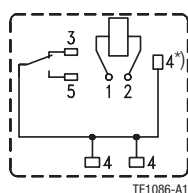
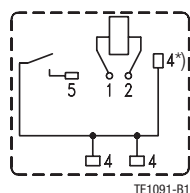
EU RoHS/ELV compliance	compliant
Ambient temperature, DC coil	-40 to +85°C <sup>(6)</sup>
Climatic cycling with condensation, EN ISO 6988	3 cycles, storage 8/16h
Temperature cycling (shock), IEC 60068-2-14, Na	20 cycles, -40/+85°C (dwell time 1h)
Damp heat cyclic, IEC 60068-2-30, Db, Variant 1	6 cycles, upper air temperature 55°C

## Terminal Assignment

Bottom view on solder pins

1 form A. 1 NO

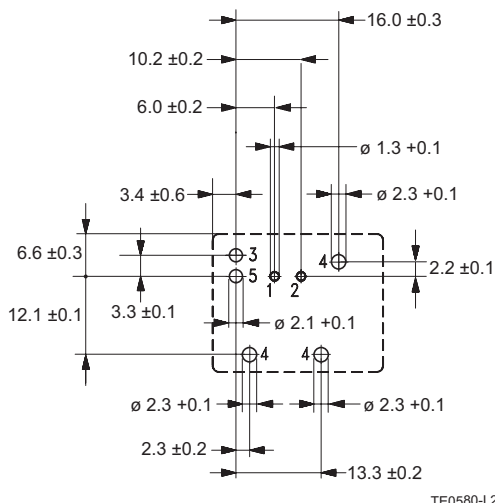
1 form C, 1 CO



\*) Terminals 4 to be bridged

### Mounting Hole Layout

Bottom view on solder pins



### Other Data (continued)

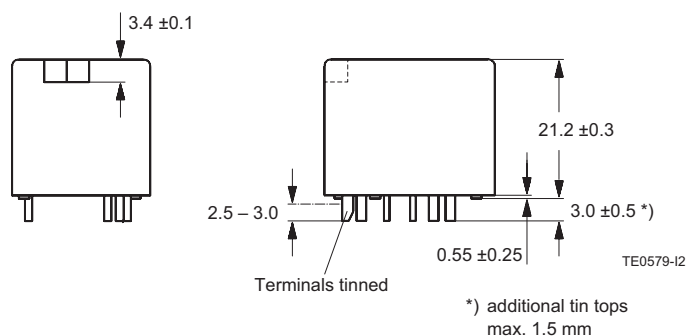
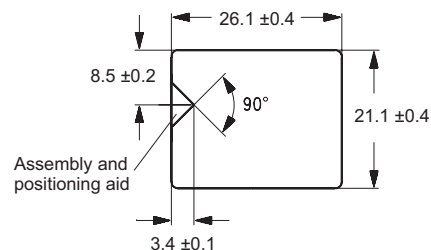
Damp heat constant, IEC 60068-2-3, method Ca		56 days, upper air temperature 55°C RT III – immersion cleanable version
Corrosive gas, IEC 60068-2-42 IEC 60068-2-43		10 days 10 days
Vibration resistance (functional), IEC 60068-2-6 (sine pulse form), acceleration, acc. to position		10 to 200Hz, 20 to 40g <sup>7)</sup>
Shock resistance (functional), IEC 60068-2-27 (half sine form single pulses), acceleration, acc. to position		8ms 30g <sup>7)</sup>
Terminal type	PCB	
Weight		
sealed version	approx. 22g (0.77oz)	
open version	approx. 19g (0.67oz)	
Solderability (aging 3: 4h/155°C) for leaded process (Tm = 183°C), for Pb-free process (Tm = 217°C), IEC 60068-2-20		Ta, method 1, hot dip 5s, 215°C
Storage conditions		according IEC 600688 <sup>8)</sup>
Packaging unit		
sealed version	525 pcs.	

6) See coil operating range DC.

7) No change in the switching state  $> 10\mu s$ .

8) 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/>

## Dimensions



## Power Relay K (Sealed) (Continued)

### Product code structure

Typical product code

**V23076 -A 1 022 -C 13 3**

<b>Type</b> <b>V23076</b> Power Relay K, sealed							
<b>Terminal</b> <b>A</b> PCB							
<b>Design</b> <b>1</b> Single relay		<b>3</b> Single relay					
<b>Coil</b> <b>001</b> 12VDC		<b>022</b> 24VDC					
<b>Contact type</b> <b>C</b> Single contact		<b>D</b> Single contact					
<b>Contact material</b> <b>13</b> AgNiO.15 <b>15</b> AgSnO <sub>2</sub> (Special)		<b>14</b> AgSnO <sub>2</sub>					
<b>Contact arrangement</b> <b>2</b> 1 form A, 1 NO		<b>3</b> 1 form C, 1 CO					

Product code	Terminal/Encl.	Design	Coil	Contact	Contact mat.	Arrangement	Part number
V23076-A1001-C133	PCB, sealed	Single relay	12VDC	Single	AgNiO.15	1 form C, CO	1393277-4
V23076-A1001-D143					AgSnO <sub>2</sub>		1393277-6
V23076-A3001-C132					AgNiO.15	1 form A, NO	1-1393277-4
V23076-A3001-D142					AgSnO <sub>2</sub>		1-1393277-7
V23076-A3001-D152 <sup>1)</sup>					AgSnO <sub>2</sub> special		1-1414175-0
V23076-A1022-C133			24VDC		AgNiO.15	1 form C, CO	1393277-8
V23076-A1022-D143					AgSnO <sub>2</sub>		1393277-9
V23076-A3022-C132					AgNiO.15	1 form A, NO	1-1393277-8
V23076-A3022-D142					AgSnO <sub>2</sub>		1-1393277-9
V23076-A3022-D152 <sup>1)</sup>					AgSnO <sub>2</sub> special		4-1904101-8

1) For indicator lamps.