

## Miniature Power PCB Relay MSR V23061

- 1 pole 8/10A, 1form C (CO) or 1 form A (NO) contact
- High inrush currents with AgSnO<sub>2</sub> contacts (TV4 0 65A)
- 4kV/8mm coil-contact
- Reinforced insulation (protection class II)
- Ambient temperature up to 85°C at 8A
- Plastic materials according to IEC 60335-1 (domestic appliances)



### Typical applications

HVAC, interface technology. PLC's, power supplies, TV-/monitor control, domestic appliances, Hi-Fi products, timers.



### Approvals

VDE Cert. No. 40017849, UL E214025

Technical data of approved types on request.

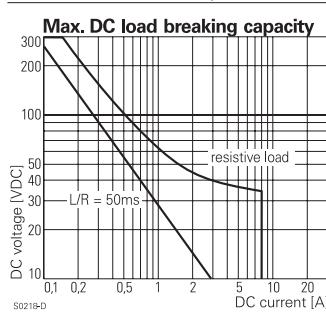
### Contact Data

Contact arrangement	1 form C (CO) or 1 form A (NO)
Rated voltage	250VAC
Max. switching voltage	400VAC
Rated current	
versions A,B	8A
versions C, D	10A
Limiting making current, max 4s, df 10%	15A
version A302, max 20ms	65A
Breaking capacity max.	2000VA
Contact material	AgSnO <sub>2</sub> , AgNi90/10
Frequency of operation, with/without load	6/1200min-1
Operate/release time max.	10/5ms
Bounce time max., form A/form B	3/10ms

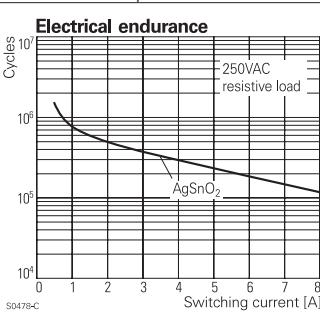
### Contact ratings

Type	Contact	Load	Cycles
<b>IEC 61810</b>			
V23061-A1***-A302	A (NO)	8A, 250VAC, cosφ=1, 85°C	100x10 <sup>3</sup>
V23061-C2***-A802	A (NO)	10A, 250VAC, cosφ=1, 85°C	100x10 <sup>3</sup>
V23061-C2***-A802	A (NO)	5A, 250VAC, cosφ=1, 105°C	100x10 <sup>3</sup>
<b>UL 508</b>			
V23061-A1***-A302	A (NO)	TV4, Tungsten, 120VAC, 40°C	25x10 <sup>3</sup>
V23061-A1***-A302	A (NO)	Pilot duty, A300, 40°C	6x10 <sup>3</sup>
V23061-C2***-A802	A (NO)	10A, 240VAC, general purpose ,40°C	30x10 <sup>3</sup>
<b>EN60730-1</b>			
V23061-A1***-A302	A (NO)	2(2)A, 250VAC, 85°C	100x10 <sup>3</sup>
V23061-C2***-A802	A (NO)	4(4)A, 250VAC, 85°C	100x10 <sup>3</sup>

Mechanical endurance, DC coil



10x10<sup>6</sup> operations

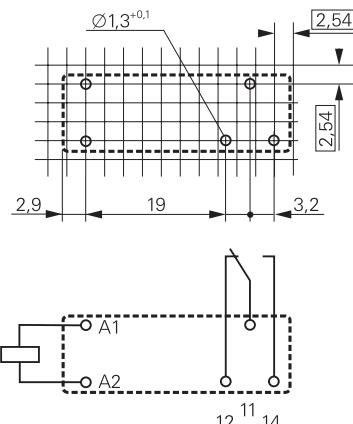


**Miniature Power PCB Relay MSR V23061 (Continued)**
**Other Data**

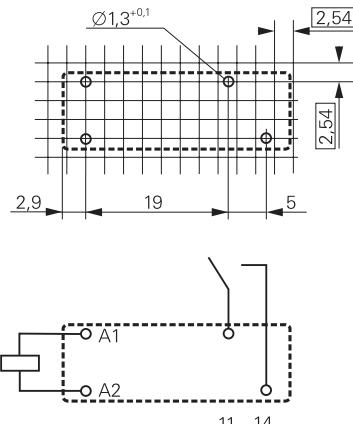
Material compliance: EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at <a href="http://www.te.com/customersupport/rohssupportcenter">www.te.com/customersupport/rohssupportcenter</a>
Ambient temperature -40 to +85°C
Category of environmental protection IEC 61810
Vibration resistance (functional) form A (NO) / form B (NC) RTII - flux proof, RTIII - wash tight
Vibration resistance (destructive) form A (NO) / form B (NC) 10/4g 20/5g
Shock resistance (destructive) 100g
Terminal type PCB-THT
Weight 11g
Resistance to soldering heat THT IEC 60068-2-20 RTII: 270°C/10s RTIII: 260°C/5s
Packaging/unit tube/20 pcs., box/500 pcs.

**PCB layout / terminal assignment**

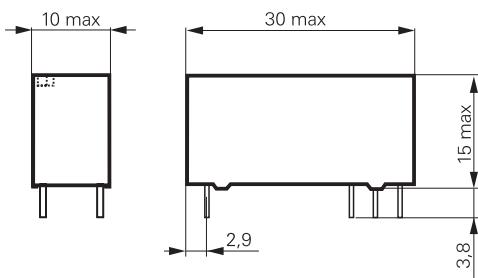
1 form C, 1 CO contact, 3.2mm



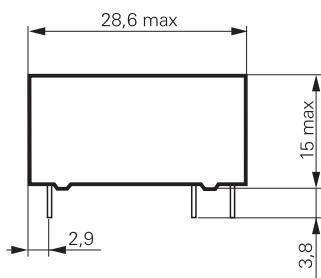
1 form A, 1 NO contact, 5mm


**Dimensions**

1 form C, 1 CO contact, 3.2mm



1 form A, 1 NO contact, 5mm



## Miniature Power PCB Relay MSR V23061 (Continued)

<b>Product code structure</b>	Typical product code	V23061	-A	1	007	-A	3	02
<b>Type</b> <b>V23061</b>	Miniature Power PCB Relay MSR							
<b>Version</b>								
<b>A</b>	1 form A contact (1 NO), UL-class A							
<b>B</b>	1 form C contact (1 CO), UL-class A							
<b>C</b>	1 form A contact (1 NO), UL-class F							
<b>D</b>	1 form C contact (1 CO), UL-class F							
<b>Version</b>								
<b>1</b>	Wash tight							
<b>2</b>	Flux proof							
<b>Coil</b>	Coil-code: please refer to coil versions table							
<b>Contact system</b>								
<b>A</b>	Standard							
<b>Contact material</b>								
<b>3</b>	AgSnO <sub>2</sub>							
<b>8</b>	AgNi 90/10							
<b>Contact information</b>								
<b>01</b>	1 form C (CO) contact							
<b>02</b>	1 form A (NO) contact							
Other types on request								

Product code	Version	Contacts	Contact material	Coil	Part Number
V23061-A1002-A302	Wash tight	1 form A	AgSnO <sub>2</sub>	5VDC	1393222-4
V23061-A1003-A302		1 NO contact		6VDC	1393222-9
V23061-A1005-A302				12VDC	2-1393222-0
V23061-A1007-A302				24VDC	3-1393222-9
V23061-B1002-A301		1 form C		5VDC	7-1393222-2
V23061-B1005-A301		1 CO contact		12VDC	9-1393222-1
V23061-B1007-A301				24VDC	1-1393223-7
V23061-B1009-A301				48VDC	3-1393223-7
V23061-C2001-A802	Flux proof	1 form A	AgNi 90/10	3VDC	5-1416200-3
V23061-C2002-A802		1 NO contact		5VDC	5-1416200-4
V23061-C2003-A802				6VDC	5-1416200-5
V23061-C2004-A802				9VDC	5-1416200-6
V23061-C2005-A802				12VDC	5-1416200-0
V23061-C2007-A802				24VDC	5-1416200-8
V23061-C2009-A802				48VDC	6-1416200-0
V23061-C2010-A802				60VDC	6-1416200-1
V23061-D2001-A801		1 form C		3VDC	6-1416200-2
V23061-D2002-A801		1 CO contact		5VDC	6-1416200-3
V23061-D2003-A801				6VDC	6-1416200-4
V23061-D2004-A801				9VDC	6-1416200-5
V23061-D2005-A801				12VDC	6-1416200-6
V23061-D2007-A801				24VDC	6-1416200-7
V23061-D2009-A801				48VDC	6-1416200-9
V23061-D2010-A801				60VDC	7-1416200-0

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