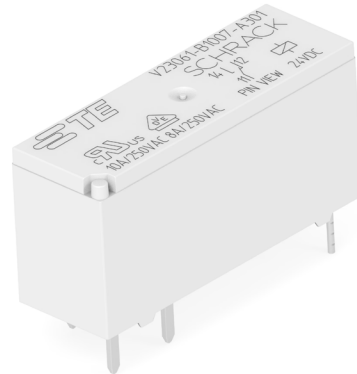


SCHRACK MINIATURE POWER PCB RELAY MSR V23061

GENERAL PURPOSE LOW POWER PCB RELAYS

FEATURES

- 1 pole 8/10A, 1form C (CO) or 1 form A (NO) contact
- High inrush currents with AgSnO₂ 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)



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.

SCHRACK Miniature Power PCB Relay MSR V23061

General Purpose Low Power PCB Relays

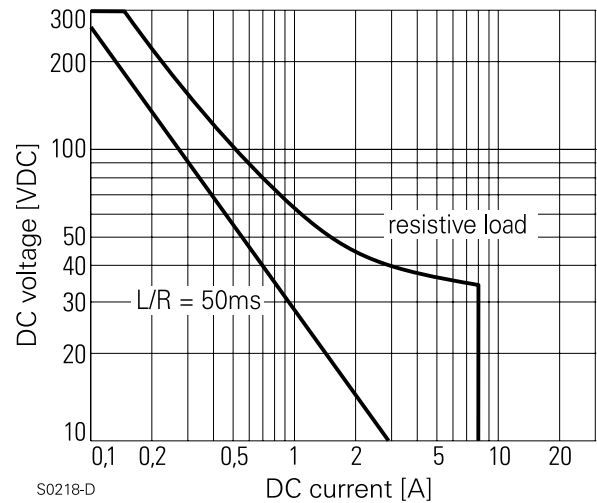
CONTACT DATA

Contact arrangement	1 form C (CO) or 1 form A (NO)
Rated voltage	250 VAC
Max. switching voltage	400 VAC
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 ₂ , 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

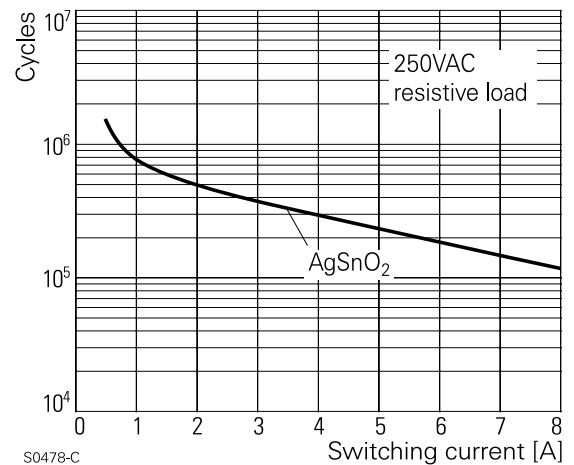
CONTACT RATINGS

Type	Contact	Load	Cycles
EC 61810			
V23061-A1***-A302	A (NO)	8A, 250VAC, $\cos\phi=1$, 85°C	100x10 ³
V23061-C2***-A802	A (NO)	10A, 250VAC, $\cos\phi=1$, 85°C	100x10 ³
V23061-C2***-A802	A (NO)	5A, 250VAC, $\cos\phi=1$, 105°C	100x10 ³
UL61810-1 (UL 508)			
V23061-A1***-A302	A (NO)	TV4, Tungsten, 120VAC, 40°C	25x10 ³
V23061-A1***-A302	A (NO)	Pilot duty, A300, 40°C 10A, 240VAC,	6x10 ³
V23061-C2***-A802	A (NO)	General purpose ,40°C	30x10 ³
EN60730-1			
V23061-A1***-A302	A (NO)	2(2)A, 250VAC, 85°C	100x10 ³
V23061-C2***-A802	A (NO)	4(4)A, 250VAC, 85°C	100x10 ³

MAX. DC LOAD BREAKING CAPACITY



ELECTRICAL ENDURANCE



SCHRACK Miniature Power PCB Relay MSR V23061

General Purpose Low Power PCB Relays

COIL DATA

Coil voltage range	3 to 60VDC
Operative range, IEC 61810	2
Coil insulation system according UL	classA or classF

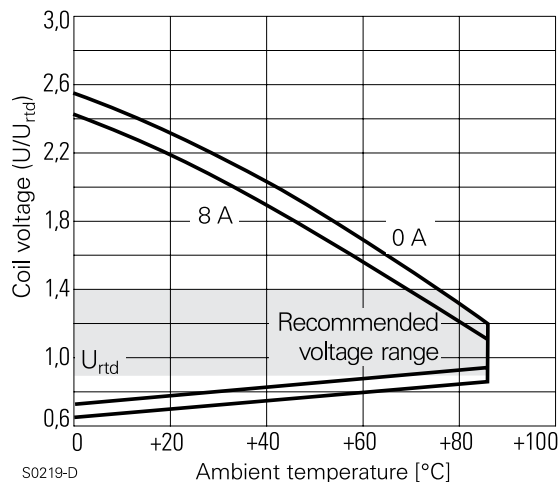
COIL VERSIONS, DC-COIL

Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance $\Omega \pm 10\%^{1)}$	Rated coil power mW
001	3	2.1	0.3	40	225
002	5	3.4	0.5	118	212
003	6	4.1	0.6	165	218
004	9	6.1	0.9	364	223
005	12	8.2	1.2	652	221
007	24	16.3	2.4	2270	254
009	48	32.6	4.8	8790	262
010	60	40.8	6.0	15265 ¹⁾	236

1) Coil resistance $\pm 15\%$.

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

COIL OPERATING RANGE DC



INSULATION DATA

Initial dielectric strength	
Between open contacts	1000 Vrms
Between contact and coil	4000 Vrms
Clearance/creepage	
Between contact and coil	$\geq 8/8\text{mm}$
Material group of insulation parts	IIIa

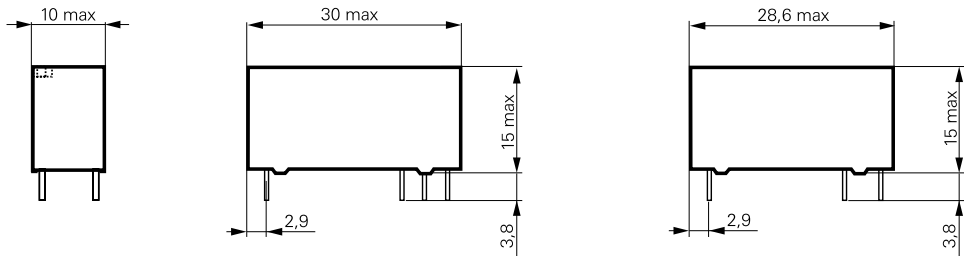
OTHER DATA

Material compliance	EU RoHS/ELV, China RoHS, REACH, Halogen content refer to the Product Compliance Support Center at www.te.com/customer-support/rohssupportcenter
Ambient temperature	- 40 to +85°C
Category of environmental protection	
IEC 61810	RTII - flux proof, RTIII - wash tight
Vibration resistance (functional),	
form A (NO) / form B (NC)	10/4g
Vibration resistance (destructive),	
form A (NO) / form B (NC)	20/5g
Shock resistance (destructive)	100 g
Terminal type	PCB-THT
Weight	11 g
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.

SCHRACK Miniature Power PCB Relay MSR V23061

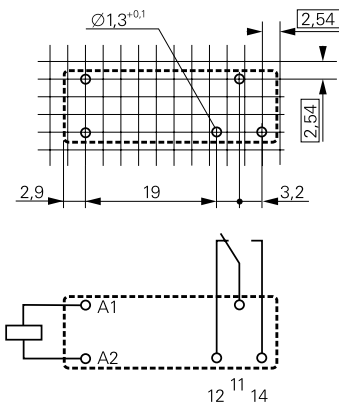
General Purpose Low Power PCB Relays

DIMENSIONS (Unit: mm)

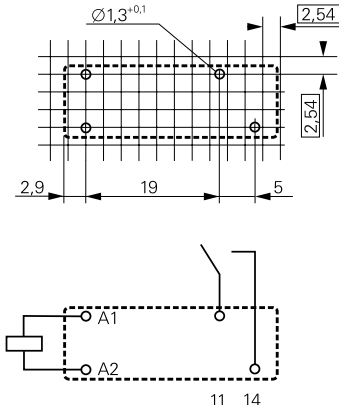


PCB LAYOUT / TERMINAL ASSIGNMENT

1 form C, 1 CO contact, 3.2 mm



1 form A, 1 NO contact, 5 mm



ORDERING INFORMATION

Part Number
V23061 -A 1 007 -A 3 02

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

PRODUCT INFORMATION

Product code	Version	Contact	Contact material	Coil	Part Number
V23061-A1002-A302	Wash tight	1 form A 1 NO contact	AgSnO ₂	5VDC	1393222-4
V23061-A1003-A302				6VDC	1393222-9
V23061-A1005-A302				12VDC	2-1393222-0
V23061-A1007-A302				24VDC	3-1393222-9
V23061-A1009-A302				48VDC	1-1416200-0
V23061-B1002-A301		1 form C 1 CO contact		5VDC	7-1393222-2
V23061-B1005-A301				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 1 NO contact	AgNi 90/10	3VDC	5-1416200-3
V23061-C2002-A802				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 1 CO contact		3VDC	6-1416200-2
V23061-D2002-A801				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

te.com

©2025 TE Connectivity Plc. family of companies. All Rights Reserved.

TE Connectivity, SCHRACK, TE connectivity (logo) and Every Connection Counts are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any changes to the information contained herein without prior notice. TE Connectivity assumes only those obligations set forth in the terms and conditions for this product and shall in no event be liable for any incidental, indirect, or consequential damages arising out of the sale, resale, use, or misapplication of the product. TE expressly disclaims any implied warranties with respect to the information contained herein, including, but not limited to, implied warranties of merchantability or fitness for a particular purpose. Dimensions, specifications and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications and/or information. Users of TE Connectivity products must make their own assessment as to whether the respective product is suitable for the respective desired application.

04/25 ED