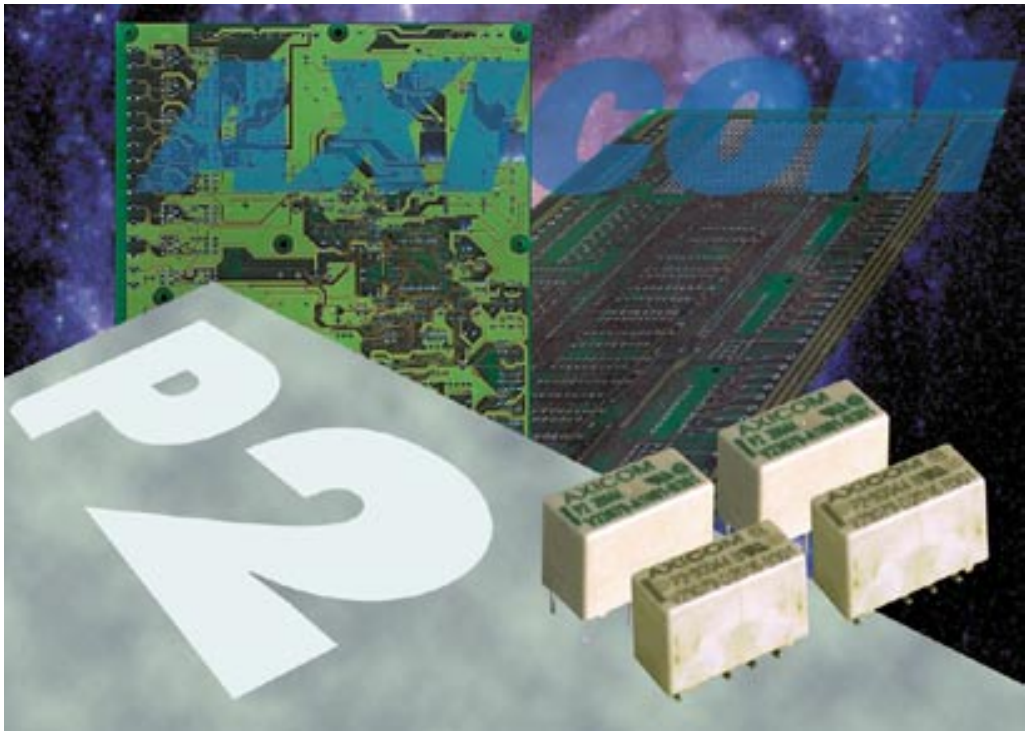
tyco Electronics

AXICOM

The Best Relaytion

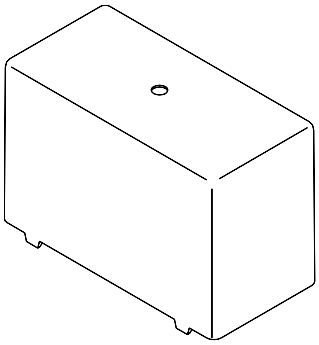


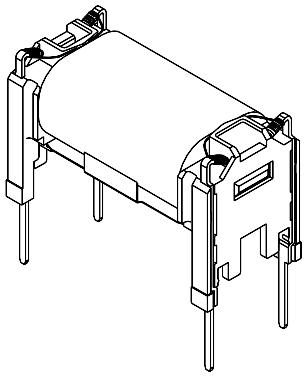
P2 Relay

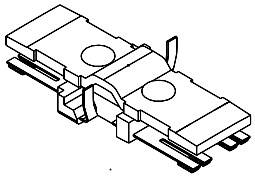
ISO 9001

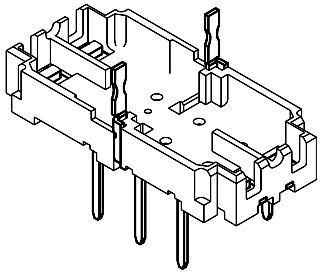
2 pole telecom relay, polarized,
Through Hole Type (THT) or
Surface Mount Technology (SMT),

Relay types: non-latching with 1 coil
latching with 2 coils
latching with 1 coil









Features

- Standard telecom relay (ringing and test access)
- Slim line 15 x 7.5 mm, 0.590 x 0.295 inch
- Switching current 5 A
- 2 changeover contacts (2 form C / DPDT)
- Bifurcated contacts
- Immersion cleanable
- High sensitivity results in low nominal power consumption
  140 mW for non-latching and latching with 2 coils
  70 mW for latching with 1 coil
- For single coil version:
  - Surge voltage resistance between contact and coil for single coil version:
  - 2.5 kV (2 / 10 µsec) meets the Bellcore Requirement GR-1089
  - 1.5 kV (10 / 160 µsec) meets FCC Part 68

Typical applications

- Communications equipment
  linecard application (ringing and test access)
  PABX
  Voice over IP
- Office equipment
- Measurement and control equipment
- Automotive equipment
  CAN bus, keyless entry, speaker switch
- Medical equipment
- Consumer electronics
  Set Top Boxes, HiFi

Options

- 1500 Vrms between open contacts
- Temperature range up to 105° C

UL 508 File No. E111441
UL 60950

CECC 811-54-003

QC 160504-CH0003

IEC/EN60950 IEC Ref. Cert. No. CH 2171

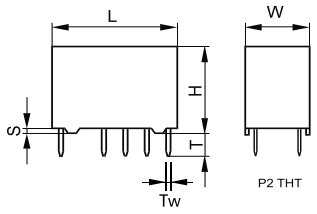
Insulation category:

Supplementary insulation according IEC / EN 60950	
Working voltage	≥ 300 Vrms
Mains supply voltage	≥ 250 Vrms
Repetitive peak voltage	2500 V
Pollution degree:	Internal: 1
	External: 2
Flammability classification:	V-0
Maximum operating temperature:	85 °C

Dimensions

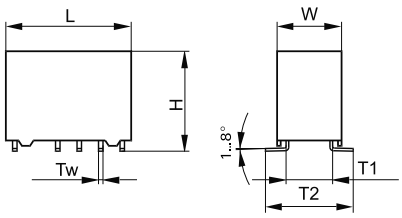
	THT V23079-x1xxx-B301 standard coil		THT V23079-x2xxx-B301 overmolded coil		SMT long terminals V23079-x1xxx-B301 standard coil		SMT long terminals V23079-x2xxx-B301 overmolded coil		SMT short terminals V23079-x1xxx-B301 standard coil		SMT short terminals V23079-x2xxx-B301 overmolded coil	
	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
L	14.5 ± 0.1	0.570 ± 0.004	14.5 ± 0.1	0.570 ± 0.004	14.5 ± 0.1	0.570 ± 0.004	14.5 ± 0.1	0.570 ± 0.004	14.5 ± 0.1	0.570 ± 0.004	14.5 ± 0.1	0.570 ± 0.004
W	7.2 ± 0.1	0.283 ± 0.004	7.2 ± 0.1	0.283 ± 0.004	7.2 -0.15	0.283 ± 0.004	7.2 -0.15	0.283 ± 0.004	7.2 -0.15	0.283 ± 0.004	7.2 -0.15	0.283 ± 0.004
H	9.8 ± 0.1	0.385 ± 0.004	9.5 ± 0.1	0.374 ± 0.004	10.4 ± 0.15	0.409 ±0.006	9.9 ± 0.1	0.390 ± 0.004	10.4 ± 0.15	0.409 ±0.006	9.9 ± 0.1	0.390 ± 0.004
T	3.25 - 0.25	0.128 -0.010	3.25 - 0.25	0.128 -0.010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
T1	N/A	N/A	N/A	N/A	5.52 ±0.15	0.217 ±0.006	5.52	0.217 ±0.006	5.52	0.217 ±0.006	5.52	0.217 ±0.006
T2	N/A	N/A	N/A	N/A	9.4 ±0.15	0.370 ±0.006	9.4 ±0.15	0.370 ±0.006	7.4 ±0.15	0.291 ±0.006	7.4 ±0.15	0.291 ±0.006
Tw	0.5 ± 0.05	0.020 ±0.002	0.5 ± 0.05	0.020 ±0.002	0.5 ± 0.05	0.020 ±0.002	0.5 ± 0.05	0.020 ±0.002	0.5 ± 0.05	0.020 ±0.002	0.5 ± 0.05	0.020 ±0.002
S	0.55 - 0.15	0.022 -0.006	0.45	0.018 ±0.002	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

THT Version

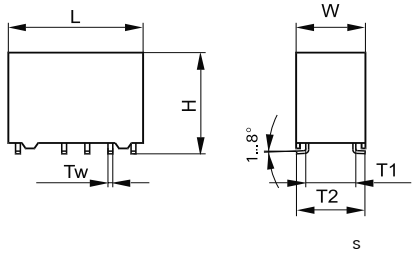


SMT Version

Long terminals

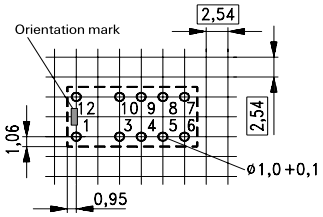


Short terminals



Mounting hole layout

View onto the component side of the PCB

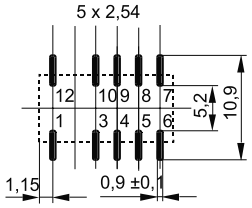


Note: Hole for pin 6 and 7
only for latching with 2 coils
Basic grid 2.54 mm

Solder pad layout

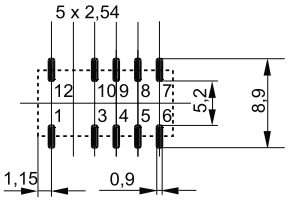
View onto the component side of the PCB

Long terminals



Note: Solder pad for pin 6 and 7
only for latching with 2 coils

Short terminals

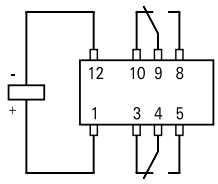


Note: Solder pad for pin 6 and 7
only for latching with 2 coils

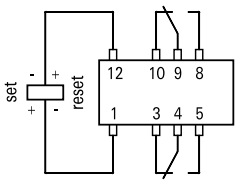
Terminal assignment

Relay - top view

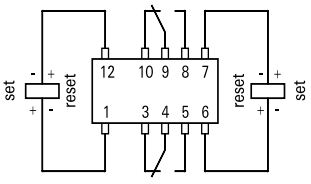
Non-latching type,
not energized condition



Latching type, 1 coil
reset condition



Latching type, 2coils
reset condition



Coil Data (values at 23°C)

Nominal voltage *U*nom	Operate/set voltage range Minimum voltage U_I	Operate/set voltage range Maximum voltage U_{II}	Release/ reset voltage Minimum	Nominal power consumption	Resistance	Coil number
Vdc	Vdc	Vdc	Vdc	mW	Ω / ± 10 %	
non-latching 1 coil						A1xxx/D1xxx/G1xxx A2xxx/D2xxx/G2xxx
3	2.25	6.50	0.30	140	64.3	008
4	3.00	8.70	0.40	140	114	016
4.5	3.375	9.80	0.45	140	145	011
5	3.75	10.90	0.50	140	178	001
6	4.5	13.00	0.60	140	257	002
9	6.75	19.60	0.90	140	578	006
12	9.00	26.15	1.20	140	1029	003
24*	18.00	52.30	2.40	140	4114	005
latching 2 coils						B1xxx/E1xxx/H1xxx
3	2.25	6.50	2.25	140	64.3	208
4.5	3.375	9.80	3.375	140	145	211
5	3.75	10.90	3.75	140	178	201
6	4.5	13.00	4.50	140	257	202
9	6.75	19.60	6.75	140	578	206
12	9.00	26.15	9.00	140	1029	203
24	18.00	52.30	18.00	140	4114	205
latching 1 coil						C1xxx/F1xxx/J1xxx
3	2.25	9.20	2.25	70	128	108
4.5	3.375	13.85	3.375	70	289	111
5	3.75	15.33	3.75	70	357	101
6	4.5	18.50	4.50	70	514	102
9	6.75	27.75	6.75	70	1157	106
12	9.00	37.00	9.00	70	2057	103
24	18.00	74.00	18.00	70	8228	105

* 24 V only in A1xxx/D1xxx/G1xxx
Further coil versions are available on request.

U_I = Minimum voltage at 23° C after pre-energizing with nominal voltage without contact current

U_{II} = Maximum continous voltage at 23°

The operating voltage limits U_I and U_{II} depend on the temperature according to the formula:

$U_{I\,tamb} = K_I \cdot U_{I\,23°C}$ and

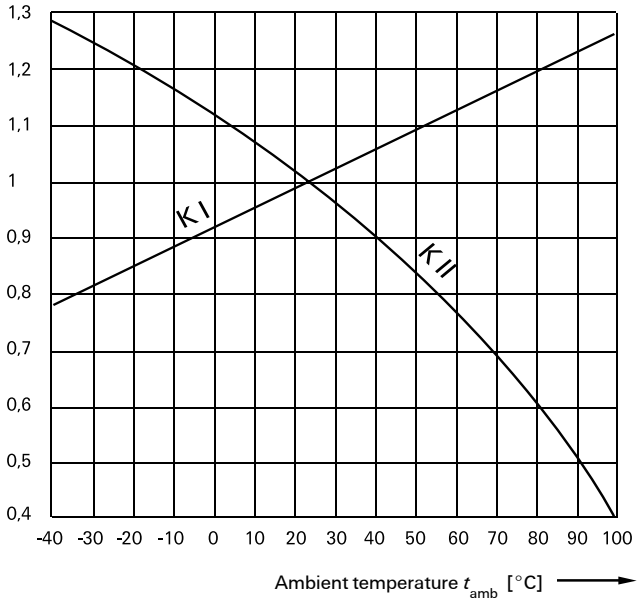
$U_{II\,tamb} = K_{II} \cdot U_{II\,23°C}$

t_{amb} = Ambient temperature

$U_{I\,tamb}$ = Minimum voltage at ambient temperature, t_{amb}

$U_{II\,tamb}$ = Maximum voltage at ambient temperature, t_{amb}

k_I, k_{II} = Factors (dependent on temperature), see diagram



Contact Data

Number of contacts and type		2 changeover contacts
Contact assembly		Bifurcated contacts
Contact material		Silver nickel, gold-covered
Limiting continuous current at max. ambient temperature		2 A
Maximum switching current		5 A
Maximum swichting voltage		220 Vdc 250 Vac
Maximum switching capacity		60 W, 62.5 VA
Thermoelectric potential		< 10 μV
Minimum switching voltage		100 μV
Initial contact resistance / measuring condition: 10 mA / 20 mV		< 50 mΩ
Electrical endurance	at 12 V / 10 mA	typ. 5 x 10^7 operations
	at 6 V / 100 mA	typ. 1 x 10^7 operations
	at 60 V / 500 mA	typ. 5 x 10^5 operations
	at 30 V / 1000 mA	typ. 1 x 10^6 operations
	at 30 V / 2000 mA	typ. 2 x 10^5 operations
Mechanical endurance		typ. 10^8 operations
UL contact ratings		220 Vdc / 0.24 A - 60 W 125 Vdc / 0.24 A - 30 W 250 Vac / 0.25 A - 62.5 VA 125 Vac / 0.5 A - 62.5 VA 30 Vdc / 2 A - 60 W

Insulation

Insulation resistance at 500 VDC	> 10^9 Ω
Dielectric test voltage (1 min)	
between coil and contacts (Relay with 1 coil)	1500 Vrms
between adjacent contact sets	1000 Vrms
between open contacts	1000 Vrms (1500 Vrms on request)
Surge voltage resistance	
according to Bellcore TR-NWT-001089 (2 / 10 μs)	
between coil and contacts (Relay with 1 coil)	2500 V
between adjacent contact sets	2500 V
between open contacts	2000 V
according to FCC 68 (10 / 160 μs)	
between coil and contacts (Relay with 1 coil)	1500 V
between adjacent contact sets	1500 V
between open contacts	1500 V

High Frequency Data

Capacitance	
between coil and contacts	max. 2 pF
between adjacent contact sets	max. 1.5 pF
between open contacts	max. 1 pF
RF Characteristics	
Isolation at 100 / 900 MHz	- 39.0 dB / - 20.7 dB
Insertion loss at 100 / 900 MHz	- 0.02 dB / - 0.27 dB
V.S.W.R. at 100 / 900 MHz	1.04 / 1.40

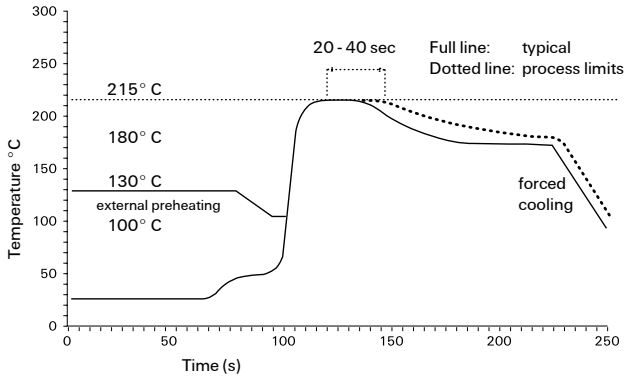
General data

Operate time at U_{nom} typ. / max.	3 ms / 5 ms
Reset time (latching) at U_{nom}, typ. / max.	3 ms / 5 ms
Release time without diode in parallel (non-latching), typ. / max.	2 ms / 4 ms
Release time with diode in parallel (non-latching), typ. / max.	4 ms / 6 ms
Bounce time at closing contact, typ. / max.	1 ms / 3 ms
Maximum switching rate without load	50 operations/s
Ambient temperature	-40° C ... +85° C (105 ° C on request)
Thermal resistance	< 165 K/W
Maximum permissible coil temperature	110° C
Vibration resistance (function)	35 G 10 to 1000 Hz
Shock resistance, half sinus, 11 ms	50 G (function) 150 G (damage)
Degree of protection / Environmental protection	immersion cleanable, IP 67 / RT III
Needle flame test	application time 20 s, burning time < 15 s
Mounting position	any
Processing information	Ultrasonic cleaning is not recommended
Weight (mass)	max. 2.5 g
Resistance to soldering heat	260° C / 10 s

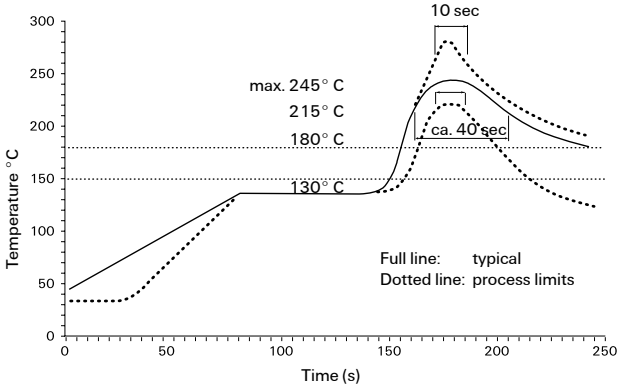
All data refers to 23° C unless otherwise specified.

Recommended soldering conditions

Soldering conditions according CECC 00802



Vapor Phase Soldering: Temperature/Time Profile
(Lead Temperature)

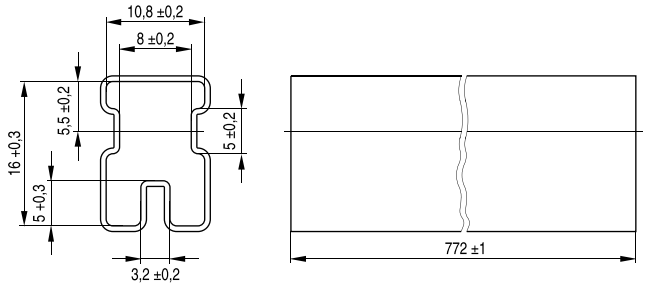


Infrared Soldering: Temperature/Time Profile
(Lead Temperature)

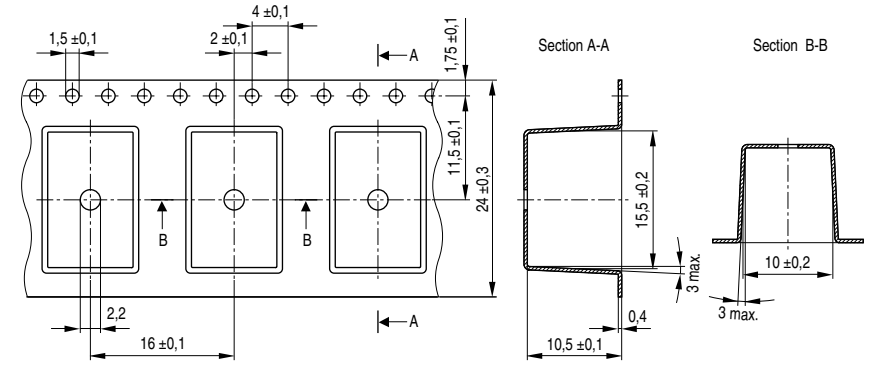
Packing

Dimensions in mm

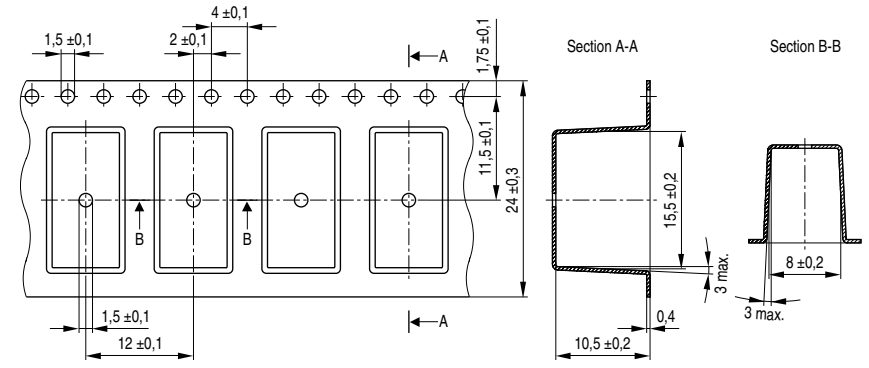
Tube for THT version - 50 relays per tube, 2000 relays per box



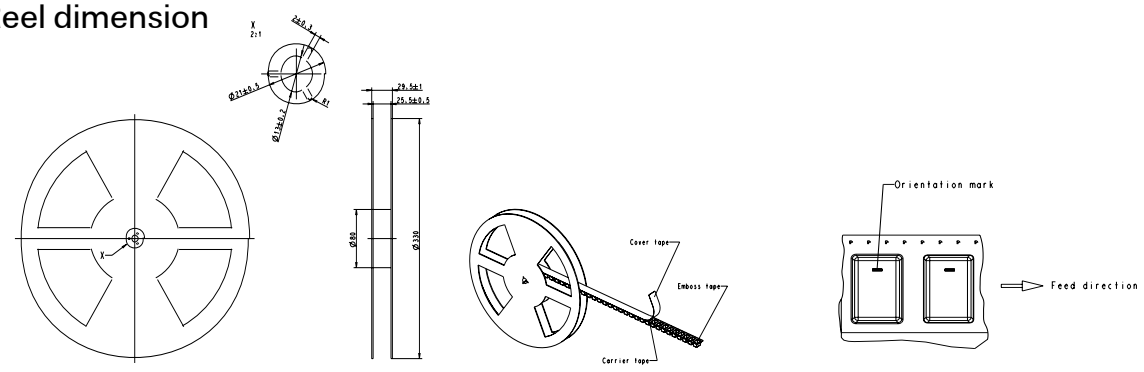
Tape and reel for SMT version with long terminals - 400 relays per reel, 2000 relays per box



Tape and reel for SMT version with short terminals - 500 relays per reel, 2500 relays per box



Reel dimension



Ordering Information

Relay Code	Tyco Part Number	Relay Code	Tyco Part Number
V23079-A1001-B301	0-1393788-3	V23079-E1201-B301	6-1393788-8
V23079-A1002-B301	0-1393788-8	V23079-E1202-B301	0-1393789-5
V23079-A1003-B301	1-1393788-1	V23079-E1203-B301	6-1393788-9
V23079-A1005-B301	1-1393788-6	V23079-E1205-B301	7-1393788-0
V23079-A1006-B301	2-1393788-0	V23079-E1206-B301	0-1393789-9
V23079-A1008-B301	2-1393788-2	V23079-E1208-B301	7-1393788-1
V23079-A1011-B301	2-1393788-4	V23079-E1211-B301	7-1393788-2
V23079-A2001-B301	3-1393789-5	V23079-F1101-B301	7-1393788-3
V23079-A2002-B301	3-1393789-6	V23079-F1102-B301	1-1393789-0
V23079-A2003-B301	3-1393789-7	V23079-F1103-B301	7-1393788-4
V23079-A2005-B301	0-1393790-2	V23079-F1105-B301	1-1393789-1
V23079-A2006-B301	3-1393789-8	V23079-F1106-B301	1-1393789-2
V23079-A2008-B301	6-1419120-6	V23079-F1108-B301	7-1393788-5
V23079-A2011-B301	3-1393789-9	V23079-F1111-B301	1-1393789-4
V23079-B1201-B301	3-1393788-3	V23079-G1001-B301	7-1393788-6
V23079-B1202-B301	3-1393788-5	V23079-G1002-B301	1-1393789-5
V23079-B1203-B301	3-1393788-6	V23079-G1003-B301	7-1393788-7
V23079-B1205-B301	3-1393788-7	V23079-G1005-B301	7-1393788-8
V23079-B1206-B301	3-1393788-9	V23079-G1006-B301	1-1393789-6
V23079-B1208-B301	4-1393788-1	V23079-G1008-B301	8-1393788-0
V23079-B1211-B301	4-1393788-2	V23079-G1011-B301	1-1393789-7
V23079-C1101-B301	4-1393788-5	V23079-G2001-B301	4-1393789-9
V23079-C1102-B301	4-1393788-7	V23079-G2002-B301	5-1393789-0
V23079-C1103-B301	4-1393788-8	V23079-G2003-B301	5-1393789-1
V23079-C1105-B301	5-1393788-0	V23079-G2006-B301	5-1393789-3
V23079-C1106-B301	5-1393788-1	V23079-G2008-B301	5-1393789-4
V23079-C1108-B301	5-1393788-3	V23079-G2011-B301	5-1393789-5
V23079-C1111-B301	5-1393788-4		
V23079-D1001-B301	5-1393788-5	V23079-H1201-B301	2-1393789-0
V23079-D1002-B301	5-1393788-6	V23079-H1202-B301	2-1393789-1
V23079-D1003-B301	5-1393788-7	V23079-H1203-B301	8-1393788-3
V23079-D1005-B301	5-1393788-8	V23079-H1205-B301	2-1393789-2
V23079-D1006-B301	5-1393788-9	V23079-H1206-B301	2-1393789-3
V23079-D1008-B301	6-1393788-1	V23079-H1208-B301	2-1393789-4
V23079-D1011-B301	6-1393788-2	V23079-H1211-B301	8-1393788-4
V23079-D2001-B301	4-1393789-3	V23079-J1101-B301	2-1393789-5
V23079-D2002-B301	4-1393789-4	V23079-J1102-B301	2-1393789-6
V23079-D2003-B301	4-1393789-5	V23079-J1103-B301	2-1393789-7
V23079-D2006-B301	4-1393789-6	V23079-J1105-B301	2-1393789-8
V23079-D2008-B301	4-1393789-7	V23079-J1108-B301	2-1393789-9
V23079-D2011-B301	4-1393789-8	V23079-J1111-B301	3-1393789-0

Middle block of relay code

V23079-yyxxx-B301
yy : See table below
xxx : See coil table on page 4

yy	Description
A1	THT, non latching, standard coil
A2	THT, non latching, overmolded coil
B1	THT, latching, 2 standard coils
C1	THT, latching, 1 standard coil
D1	SMT, long pins, non latching, standard coil
D2	SMT, long pins, non latching, overmolded coil
E1	SMT, long pins, latching, 2 standard coils
F1	SMT, long pins, latching, 1 standard coil
G1	SMT, short pins, non latching, standard coil
G2	SMT, short pins, non latching, overmolded coil
H1	SMT, short pins, latching, 2 standard coils
J1	SMT, short pins, latching, 1 standard coil

Option: high dielectric between open contacts (overmolded coil)

This supplementary data sheet refers to the basic data sheet of the P2 relay series (V23079) with following additions:

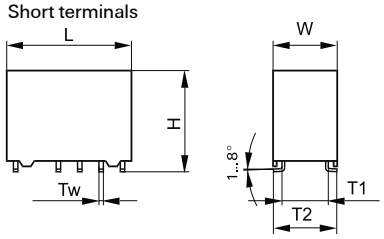
- Dielectric strength 1500 V_{rms} between open contacts - as well as between coil and contacts and between adjacent contact sets
- Only non-latching types available
- SMT version with short terminals as preferred type
- mechanical and electrical endurance typ. 10^6 operations

Dimensions

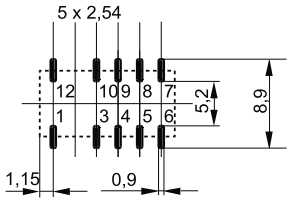
	SMT short terminals V23079-G2xxx-X0xx overmolded coil	
	mm	inch
L	14.5 ± 0.1	0.570 ± 0.004
W	7.2 -0.15	0.283 ± 0.004
H	9.9 ± 0.1	0.390 ± 0.004
T	N/A	N/A
T1	5.52	0.217 ±0.006
T2	7.4 ±0.15	0.291 ±0.006
Tw	0.5 ± 0.05	0.020 ±0.002
S	N/A	N/A

SMT Version

Short terminals



Solder pad layout



Note: Solder pad for pin 6 and 7 only for latching with 2 coils

Coil Data (values at 23°C)

Nominal voltage *U*nom	Operate/set voltage range Minimum voltage U_I	Operate/set voltage range Maximum voltage U_{II}	Release/ reset voltage Minimum	Nominal power consumption	Resistance	Relay code
Vdc	Vdc	Vdc	Vdc	mW	Ω / ± 10 %	
non-latching 1 coil						V23079-
5	3.75	10.90	0.50	140	178	G2001-X071
6	4.50	13.00	0.60	140	257	G2002-X072
9	6.75	19.60	0.90	140	578	G2006-X073
12	9.00	26.15	1.20	140	1029	G2003-X074

Ordering Information

Relay Code	Tyco Part Number
V23079-G2001-X071	0-1422006-1
V23079-G2002-X072	0-1422006-2
V23079-G2006-X073	0-1422006-3
V23079-G2003-X074	0-1422006-4

IM Relays

4th generation slim line – low profile polarized 2 c/o telecom relay with bifurcated contacts, available as non latching or latching relay with 1 coil. Nominal voltage range from 1.5... 24 V, coil power consumption of 140... 200 mW, latching relays with 1 coil 100 mW. The IM relay is available as through hole and surface mount type (J-Legs and Gull Wings) and capable to switch loads up to 60 W/62,5 VA. Dielectric strength fulfills the Bellcore requirements according GR 1089 (2,5 kV – 2 / 10 µs) and FCC part 68 (1,5 kV – 10 / 160 µs). The IM relay is CECC/IECQ approved and certified in accordance with IEC/EN 60950 and UL1950. Dimensions approx. 10 x 6 mm board space and 5.65 mm height.

P2 Relays

3rd generation polarized 2 c/o telecom relay with bifurcated contacts, available as non latching or latching relay with 1 or 2 coils. Nominal voltage range from 3 ... 24 V, coil power consumption 140 mW, latching relays with 1 coil 70 mW. The P2 Relay is available as through hole or surface mount type and capable to switch currents up to 5 A. Dielectric strength fulfills the Bellcore requirements according GR 1089 (2,5 kV – 2 / 10 µs) and FCC part 68 (1,5 kV – 10 / 160 µs). Dimensions approx. 15 x 7,5 mm board space and 10 mm height.

FX Relays

3rd generation polarized 2 c/o telecom relay with bifurcated contacts, available as non latching or latching relay with 1 coil. Nominal voltage range from 3 ... 48 V, coil power consumption of 80 ... 260 mW for the high sensitive version, 140... 300 mW for the standard version, latching relays with 1 coil 100 mW. The FX2 relay is available as through hole type and capable to switch loads up to 60 W/62,5 VA. Dielectric strength fulfills the Bellcore requirements according GR 1089 (2,5 kV – 2 / 10 µs) and FCC part 68 (1,5 kV – 10 / 160 µs). The FX2 is CECC/IECQ approved and certified in accordance with IEC/EN 60950 and UL1950. Dimensions approx. 15 x 7,5 mm board space and 10,7 mm height.

FT2 / FU2 Relays

3rd generation non polarized, non latching 2 c/o telecom relay with bifurcated contacts. Nominal voltage range from 3 ... 48 V, coil power consumption 200 ... 300 mW. Most sensitive 48 V relay. Available as through hole and surface mount type. Dielectric strength fulfills the Bellcore requirements according GR 1089 (2,5 kV – 2 / 10 µs) and FCC part 68 (1,5 kV – 10 / 160 µs). The FT2/FU2 is CECC/IECQ approved and certified in accordance with IEC/EN 60950 and UL1950. Dimensions approx. 15 x 7,5 mm board space and 10 mm height.

FP1 Relays

3rd generation polarized 2 c/o telecom relay with bifurcated contacts, available as non latching or latching relay with 1 or 2 coils. Nominal voltage range from 3 ... 48 V, coil power consumption of 80 ... 260 mW for the high sensitive version, 140... 300 mW for the standard version, latching relays with 1 coil 100 mW.. The FP1 Relay is available as through hole type and capable to switch loads up to 30 W/62,5 VA. Dielectric strength fulfills FCC part 68 (1,5 kV – 10 / 160 µs). The FP2 is CECC/IECQ approved. Dimensions approx. 14 x 9 mm board space and 5 mm height.

MT2 / MT4

2nd generation non polarized, non latching 2 c/o and 4 c/o telecom and signal relay with bifurcated contacts. Nominal voltage range from 4.5 ... 48 V, coil power consumption 150/200/300/400 and 550 mW, and 300 mW (MT4). Dielectric strength fulfills the requirements according FCC part 68 (1,5 kV – 10 / 160 µs) for both and the Bellcore requirements according GR 1089 (2,5 kV – 2 / 10 µs) the MT4 only.
Dimensions MT2 approx. 20 x 10 mm board space and 11 mm height, MT4 approx. 20 x15 mm board space and 11 mm height.

D2n Relays

2nd generation non polarized 2 c/o relay for telecom and various other applications. Nominal voltage range from 3 ... 48 V, coil power consumption from 150 .... 500 mW. The D2n relay is capable to switch currents up to 3 A. Dielectric strength fulfills the requirements according FCC part 68 (1,5 kV – 10 / 160 µs). Dimensions approx. 20 x10 mm board space and 11,5 mm height.

P1 Relays

Extremely sensitive, polarized 1 c/o relay with bifurcated contacts for a wide range of applications, available as non latching or latching relay with 1 or 2 coils. Nominal voltage range from 3 ... 24 V, coil power consumption 65 mW, latching relays with 1 coil 30 mW. The P1 relay is available as through hole or surface mount type and capable to switch currents up to 1 A. Dielectric strength fulfills the requirements according FCC part 68 (1,5 kV – 10 / 160 µs). Dimensions approx. 13 x 7,6 mm board space and 7 mm height for THT or 8 mm height for SMT version.

W11 Relays

Low cost, non polarized 1 c/o relay for various applications. Nominal voltage range from 3 ... 24 V, coil power consumption 450 mW, sensitive versions 200 mW. The W11 relay is capable to switch currents up to 3 A. Dielectric strength 1000 Vrms. Dimensions approx. 15,6 x 10,6 mm board space and 11,5 mm height.

Reed Relays

High sensitive, non polarized relay for telecom and various other applications, available with 1 n/o, 2 n/o or 1c/o contacts. Nominal voltage range from 5 ... 24 V, coil power consumption 50...280 mW for 1 n/o and 125 ... 280 mW for 2 n/o or 1 c/o versions. Reedrelays are available in DIP or SIL housing and capable to switch currents up to 0,5 A. Integrated diode and/or electrostatic shield optional. Dielectric strength 1500 Vdc. Dimensions approx. 19,3 x 7 mm board space and 5 ... 7,5 mm height for DIP or 19,8 x 5 mm board space and 7,8 mm height for SIL version.

Cradle Relays

Extremely reliable and mature relay family of 1st generation for various signal switching applications. Available as non polarized, polarized / latching and relay with AC coil. The benefit is the possibility of combining various contact sets from 1 up to 6 poles, single and bifurcated contacts, different contact materials with a coil voltage range from 1,5 Vdc to 220 Vac. Cradle relays are available as dust protected and hermetically sealed versions, with plug in or solder terminals and are capable to switch currents up to 5 A. Forcibly guided (linked) contact sets optional. Dielectric strength 500 Vrms. Dimensions from approx. 19 x 24 to 19x35 mm board space and 30 mm height.

Other Relays

We offer a variety of different relay families for maintenance and replacement purposes. These relays are up to 60 years old now, such as Card Relay SN (V23030 / V23031 series), Small General Purpose Relay (V23006 series), Small Polarized Relay (V23063 ... V23067 and V23163 ... V23167 series). Accessories like sockets, hold down springs, etc. optional.

HF3 Relay

High performance low cost RF relay with excellent RF characteristics. Available with an impedance of 50 and 75 Ohm. Suitable for frequencies up to 3 GHz. Actually smallest RF relay available combining small size, excellent RF performance and SMD solderability. Available as non latching or latching relay with 1 or 2 coils and a nominal coil voltage range from 3 ... 24 V, coil power consumption 140 mW, latching relays with 1 coil 70 mW. Dimensions 14.6 x 7.3 x 10 mm.

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