



TITLE

SPECIFICATIONS

- 10A switching capability
- 1 Form A and 1 Form C configurations
- Wash tight and flux proofed types available
- Subminiature, Standard PCB layout



1. TYPE: CS RELAY (P/C Board type)

2. COIL

1) Standard Type

NORMINAL VOLTAGE (VDC)	PICK-UP VOLTAGE (VDC)	DROP-OUT VOLTAGE (VDC)	MAX-ALLOWABLE VOLTAGE (VDC)	COIL RESISTANCE (Ω)	COIL POWER (mW)
3	2.25	0.15	3.9	20 x (1±10%)	450
5	3.75	0.25	6.5	55 x (1±10%)	
6	4.50	0.30	7.8	80 x (1±10%)	
9	6.75	0.45	11.7	180 x (1±10%)	
12	9.00	0.60	15.6	320 x (1±10%)	
18	13.5	0.90	23.4	720 x (1±10%)	
24	18.0	1.20	31.2	1280 x (1±10%)	

(at 23°C)

2) Sensitive Type (Only for 1 form A)

NORMINAL VOLTAGE (VDC)	PICK-UP VOLTAGE (VDC)	DROP-OUT VOLTAGE (VDC)	MAX-ALLOWABLE VOLTAGE (VDC)	COIL RESISTANCE (Ω)	COIL POWER (mW)
3	2.25	0.15	4.5	45 x (1±10%)	200
5	3.75	0.25	7.5	125 x (1±10%)	
6	4.50	0.30	9.0	180 x (1±10%)	
9	6.75	0.45	13.5	400 x (1±10%)	
12	9.00	0.60	18.0	720 x (1±10%)	
18	13.5	0.90	27.0	1600 x (1±10%)	
24	18.0	1.20	36.0	2800 x (1±10%)	

(at 23°C)



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3. CONTACTS

3-1) Contact arrangement : 1 form A, 1 form C

3-2) Contact Material : AgNi, AgCdO

3-3) Contact resistance : 100mΩ at 1A 6VDC

3-4) Contact ratings (Resistive load)

⊙ 1 form A

- Standard : 5A 250VAC/30VDC
10A 125VAC

- Sensitive : 3A 250VAC/30VDC
=> "Q" Type : 8A 250VAC

⊙ 1 form C

- Standard : 3A 250VAC/30VDC

3-5) Max. switching voltage : 250VAC/30VDC

3-6) Max. switching current : 10A

3-7) Max. switching power : 1250VA/150W

4. CHARACTERISTICS

4-1) Operate time (at nomi. volt.) : Max. 8msec

4-2) Release time (at nomi volt.) : Max. 5msec

4-3) Insulation resistance : 100MΩ (at 500VDC)

4-4) Dielectric strength

⊙ Between open contacts : AC 1000 Volt / one minute

⊙ Between coil and contacts : AC 2500Volt / one minute

4-5) Vibration resistance : 10 to 55Hz 1.5mm DA

4-6) Shock resistance :

Functional : 100m/s² (10g)

Destructive : 1000m/s² (100g)

4-7) Ambient temperature :

⊙ Standard : -40 to +70℃

⊙ "Q" type (8A 250VAC) : -40 to +60℃

4-8) Humidity : 35 to 95% RH



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4-9) Life expectancy

⊙ Mechanical : 10,000,000 operations

⊙ Electrical : 100,000 operations

4-10) Weight : Approx. 6g

4-11) Outline dimension (L x W x H) : 18.4 x 10.2 x 15.3mm

4-12) Safety standard : cUL

5. ORDERING INFORMATION

EX.) CS 11 - 12 S H

Contact Arrangement	Coil Voltage	Contact capacity	Coil Power
1 : 1 form C 11 : 1 form A	3, 5, 6, 9, 12, 18, 24	S : Standard	H : 450mW
		H : Sensitive	
		Q : 8A 250VAC (Only for Sensitive)	Nil : 200mW (Only for 1 form A)

** Example : 1) CS11-**SH => 5A, 450mW

2) CS11-**H => 3A, 200mW

3) CS11-**Q => 8A, 200mW

4) CS1-**SH => 3A, 450mW

** Disclaimer **

This data sheet is for the customer's reference. All the specifications are subject to change without notice. We could not evaluate all the performance and all parameters for every possible application. Thus the user should be in right position to choose the suitable product for own application. If there is any query, please contact to Texcell Netcom Co., Ltd. for the technical service. However, it is the user's responsibility to determine which product should be used only.

TO:	DATE:
TEXCELL NETCOM CO., LTD.	DRAWN BY: CHECKED BY:
DEVELOPMENT DEPT.	APPROVED BY:



TITLE

DIMENSIONS

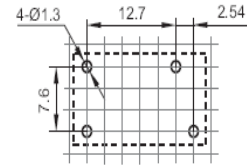
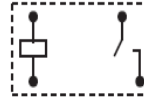
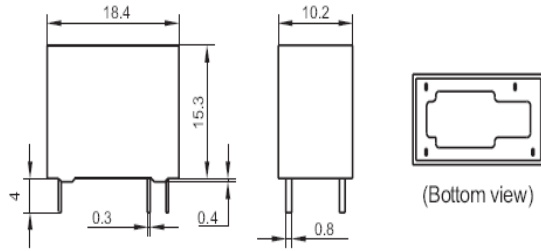
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Outline Dimensions

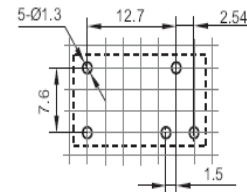
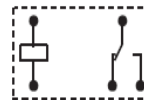
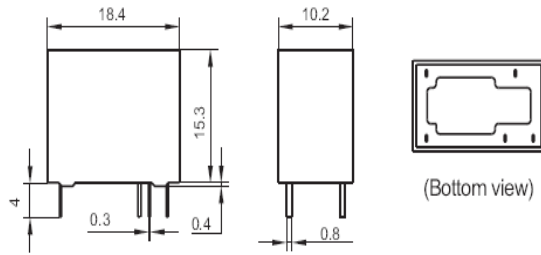
Wiring Diagram
(Bottom view)

PCB Layout
(Bottom view)

1 Form A

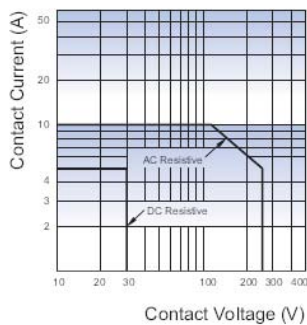


1 Form C

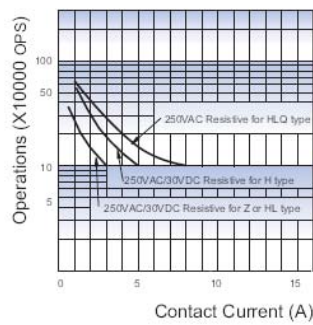


- Remark: 1) In case of no tolerance shown in outline dimension: outline dimension $\leq 1\text{mm}$, tolerance should be $\pm 0.2\text{mm}$; outline dimension $> 1\text{mm}$ and $\leq 5\text{mm}$, tolerance should be $\pm 0.3\text{mm}$; outline dimension $> 5\text{mm}$, tolerance should be $\pm 0.4\text{mm}$.
 2) The tolerance without indicating for PCB layout is always $\pm 0.1\text{mm}$.
 3) The width of the gridding is 2.54mm.

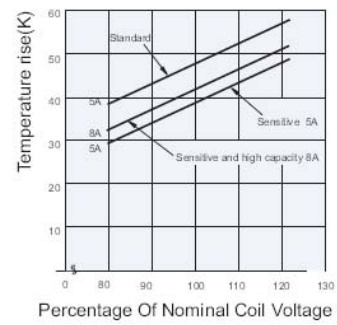
MAXIMUM SWITCHING POWER



EDURANCE CURVE



COIL TEMPERATURE RISE



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DEVELOPMENT DEPT.	APPROVED BY: