



TRIH

MAIN FEATURES

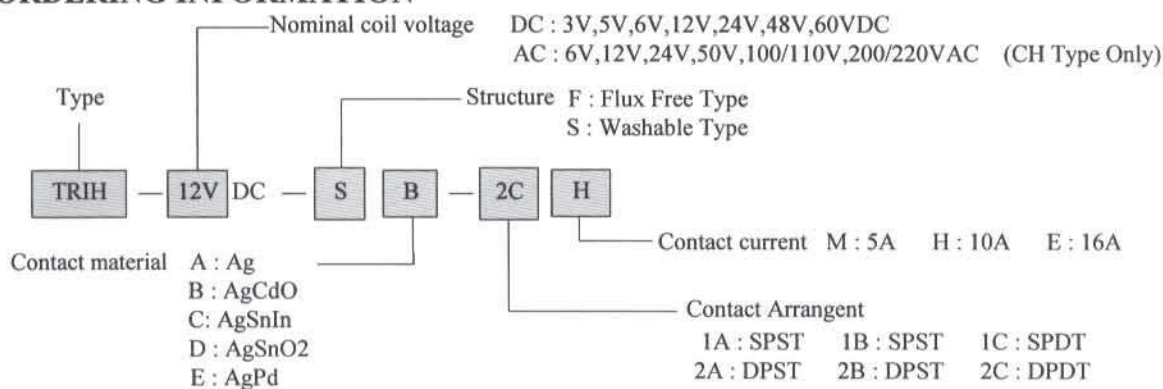
- Miniature heavy-duty relays
- Single-Pole, 10 A mp PC Board
- SPST and SPDT configurations
- 5KV dielectric coil to contacts
- Sealed & Unsealed types available

APPLICATIONS

- Microwave ovens, Facsimiles, Refrigerators
- Air conditioners, Stereo equipment
- Copiers, TV set, Vending machines
- Temperature controllers, etc.



ORDERING INFORMATION

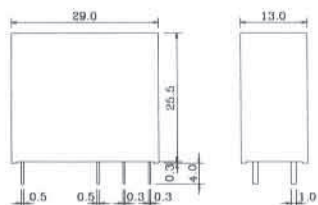


DIMENSION (unit:mm)

DRILLING (unit:mm)

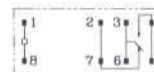
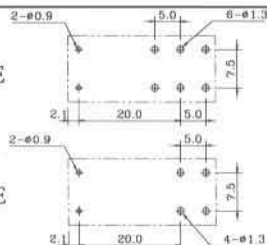
WIRING DIAGRAM

16A

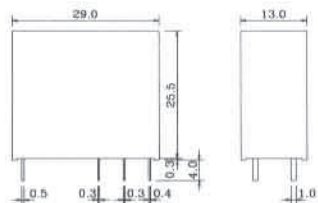


TRIH-CE

TRIH-AE

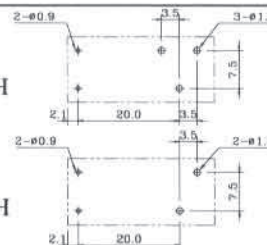


10A

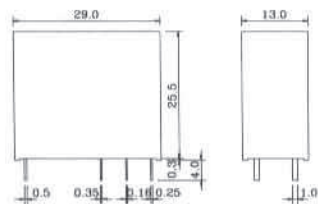


TRIH-CH

TRIH-AH

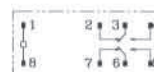
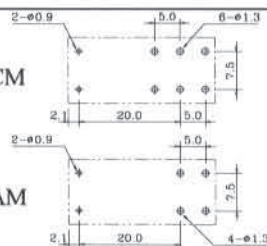


5A



TRIH-2CM

TRIH-2AM



COIL DATA CHART (AT20°C)

Nominal voltage	Pick-Up voltage	Drop-out voltage	Nominal current	Coil resistance	Power consumption	Max. allowable voltage
DC Type (CH, TRIH)						
VDC	VDC(Max.)	VDC(Min.)	mA(±10%)	Ω (±10%)	(mW)	(VDC)
3	2.4	0.3	176	17	Approx 530	110% of nominal voltage
5	3.75	0.5	106	47		
6	4.5	0.6	88.2	68		
9	6.75	0.9	56.2	160		
12	9.0	1.2	43.6	275		
24	18	2.4	21.8	1100±15%		
48	36	4.8	11.5	4170±15%		
60	45	6.0	5.3	7000±15%		
AC Type (CH ONLY) at 60 Hz						
VAC	VAC(Max.)	VAC(Min.)	mA(+10%,-15%)	Ω (±10%)	(VA)	(VAC)
6	4.8	1.8	150	16	Approx 0.9 At 60 Hz	110% of nominal voltage
12	9.6	3.6	75	65		
24	19.2	7.2	37.5	260		
50	40	15	18	1130		
100/110	80/88	30/33	9/10.6	4600		
200/220	160/176	60/66	4.5/5.3	22000		

CONTACT RATING

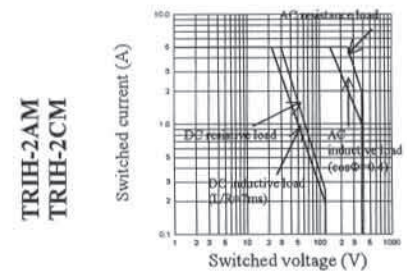
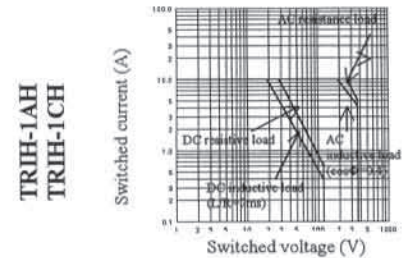
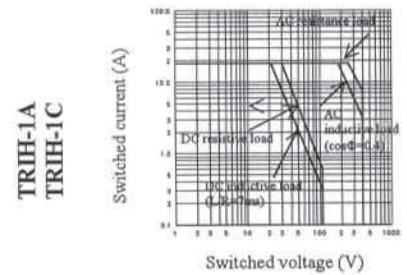
Arrangement	SPST-NO(1a), SPDT(1c)		SPST-NO(1a), SPDT(1c)		DPST-NO(2a), DPDT(2c)	
Item	E-Type		H-Type		M-Type	
Rated load	Resistive load (cosΦ=1)	Inductive load (cosΦ=0.4)	Resistive load (cosΦ=1)	Inductive load (cosΦ=0.4)	Resistive load (cosΦ=1)	Inductive load (cosΦ=0.4)
	16A 250VAC 16A 24VDC	8A 250VAC 8A 30VDC TV-8 1HP/240VAC	10A 250VAC 10A 30VDC	7.5A250VAC 5A 30VDC TV-5 1/3HP/250VAC	10A 250VAC 10A30VDC	2A 250VAC 3A 30VDC TV-3
	16A		10A		10A	
Carrying current	16A		10A		10A	
Max. switching voltage	380VAC, 125VDC		380VAC, 125VDC		380VAC, 125VDC	
Max. switching current	16A		10A		10A	
Max. switching power	4000VA, 480W	2000VA, 240W	2500VA, 300W	1875VA, 150W	1250VA, 150W	500VA, 90W
Min. permissible load	DC5V 100mA				DC5V 10mA	
Contact material	Silver alloy					

PERFORMANCE (at initial value)

Contact Resistance	Max. 50mΩ
Operate time (at nominal voltage)	Max. 15msec
Release time (at nominal voltage)	Max. 10msec
Operating frequency	20ops/minute
Insulation resistance	Min. 100MΩ (at 500VDC)
Vibration resistance	Functional : 10 to 55 Hz, 1.5mm double amplitude Destructive : 10 to 55 Hz, 1.5mm double amplitude
Shock resistance	Functional : Min, 10 G Destructive : Min, 100G
Dielectric strength	5000VAC. for 1 minute between coil and contact. 3000VAC. for 1 minute between contact sets. 1000VAC. for 1 minute between open contacts.
Ambient temperature	Storage : -40 to +70°C Operating : -40 to +70°C
Humidity	35 to 85% RH
Life expectancy	Mechanical : DC 2×10 ⁷ operations AC 1×10 ⁷ operations Electrical : 1×10 ⁵ operations (at rated load)
Weight	Approx. 17g
U/L File NO	E156406
TUV	R9659294/-96/-98

REFERENCIAL DATA

Maximum switched power



Electrical life expectancy

