

u Features

- ∅ Slim type and small occupying area can be applied in high density PC Board mounting technique.
- ∅ 5A switching capability.
- ∅ Transparent sealed available.

u Coil Data [at 20°C]

∅ Standard Type

Rated voltage (V)	Coil Resistance ±10% (Ω)	Rated Current ±10% (mA)	Pick up Voltage (Max)	Drop out Voltage (Min)	Max continuous Voltage	Power consumption At rated Voltage
5	34.7	144	80% of rated voltage	5% of rated voltage	130% Max of Rated voltage	Approx.0.72W
6	50	120				
9	112.5	80				
12	200	60				
18	450	40				
24	800	30				
48	3200	15				

∅ High sensitivity Type

Rated voltage (V)	Coil Resistance ±10% (Ω)	Rated Current ±10% (mA)	Pick up Voltage (Max)	Drop out Voltage (Min)	Max continuous Voltage	Power consumption At rated Voltage
5	46	108	80% of rated voltage	5% of rated voltage	130% Max of Rated voltage	Approx.0.54W
6	67	90				
9	150	60				
12	270	45				
18	600	30				
24	1060	22.5				
48	4360	11				

u Contact Rating

Resistive load	5A 250VAC,5A 30VDC
----------------	--------------------

u Type List

Terminal style	Contact form	Type	Designation(provided with)
PCB terminal	2A (DPNO)	Standard	S4M-12V-2A
	2A (DPNO)	High sensitivity	S4M-12B-2A
	2C(DPDT)	Standard	S4M-12V-2C
	2C(DPDT)	High sensitivity	S4M-12B-2C

S4M RELAY

SHORI

Ordering information

S4M - 12 B - 2A S
 1 2 3 4

- 1. S4M -- Basic series designation.
- 3. 2A -- Double pole normally open
 2C -- Double pole double throw

- 2. 12 -- Coil Voltage (5V~48V), Standard Type
 12B -- High sensitivity Type
- 4. S -- Sealed type washable
 Blank: Sealed type

Specification

Contact material	Ag Alloy	
Contact resistance	100 m Ω Max	
Operate time	20 ms Max	
Release time	10 ms Max	
Insulation resistance	100M Ω Min. (DC 500V)	
Dielectric strength	Between open contact : AC 1000V ,50/60Hz 1 min.	
	Between contact and coil : AC 5000V, 50/60Hz 1 min.	
Vibration resistance	Operating extremes	10~50Hz, amplitude 1.5 mm
	Damage limits	10~50Hz, amplitude 1.5 mm
Shock resistance	Operating extremes	10G
	Damage limits	100G
Life expectancy	Mechanical	10,000,000 operations (frequency 18,000 operations/hr)
	Electrical	100,000 operations (frequency 1,800 operations/hr)
Operating ambient temperature	-40~+70°C (no freezing)	
Weight	Approx 13g	

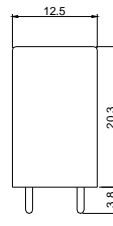
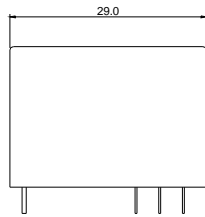
Safety Approval

Certified	UL/CUL	TUV
File No.	E188091	R 50177786

Safety Approval Rating

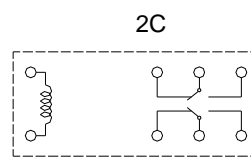
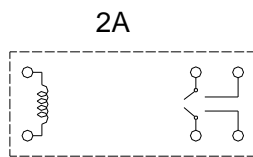
UL/CUL	TUV
5A 250VAC 5A 30VDC	5A 250VAC

Outline Dimension



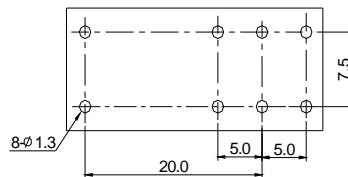
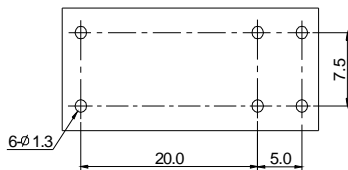
Wiring Diagram

BOTTOM VIEW

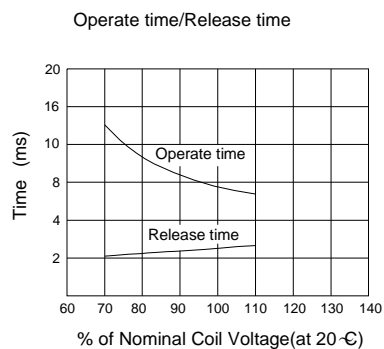
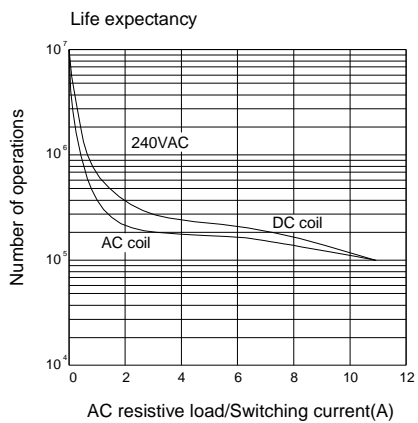
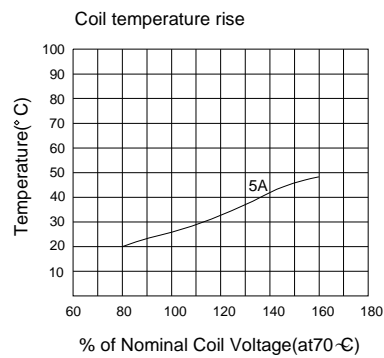
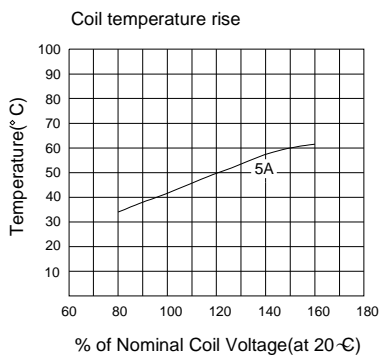


PC BOARD LAYOUT

BOTTOM VIEW



Engineering Data



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [General Purpose Relays](#) category:

Click to view products by [Shori](#) manufacturer:

Other Similar products are found below :

[PCN-105D3MH,000](#) [59641F200](#) [5JO-1000CD-SIL](#) [5X827E](#) [5X837F](#) [5X840F](#) [5X842F](#) [5X848E](#) [LY2N-AC120](#) [LY2-US-AC120](#) [LY2-US-DC24](#) [LY3-US-AC120](#) [LY4F-UA-DC12](#) [LY4F-UA-DC24](#) [LY4F-US-AC120](#) [LY4F-US-AC240](#) [LY4F-US-DC24](#) [LY4F-VD-AC110](#)
[M115C60](#) [M115N010](#) [M115N0150](#) [603-12D](#) [60HE1-5DC](#) [60HE2S-12DC](#) [61211T0B4](#) [61212T400](#) [61222Q400](#) [61243B600](#) [61243C500](#)
[61243Q400](#) [61311BOA2](#) [61311BOA6](#) [61311BOA8](#) [61311C0A2](#) [61311COA1](#) [61311COA6](#) [61311F0A2](#) [61311QOA1](#) [61311QOA4](#)
[61311T0D6](#) [61311TOA6](#) [61311TOA7](#) [61311TOB3](#) [61311TOB4](#) [61311U0A6](#) [61312Q600](#) [61312T400](#) [61312T600](#) [61313U200](#) [61313U400](#)