



## Contact Data

Contact form : 1 form C.  
Contact material : Ag Alloy.  
Contact rating : 30A 14V dc resistive (1 form C)  
Maximum switching voltage : 75V dc.  
Maximum switching current : 40A.  
Maximum switching power : 420W (1 form C).  
Maximum load current (14V dc load voltage).

Load	A	B	C	
			NO	NC
Contact Rating Current	40A	30A	40A	30A
Maximum Make Current	100A	60A	100A	30A
Maximum Break Current	40A	30A	40A	30A

Contact Resistance :  $\leq 100\text{m}\Omega$  (6V dc 1A).

## Life

Electrical : 100,000 operations.  
Mechanical : 10,000,000 operations.

## General Data

Minimum insulation resistance : 100M $\Omega$  500V dc.  
Dielectric strength : 500V ac, 1 min between open contacts  
500V ac, 1 min between coil and contacts.  
Operate time : Maximum 10ms.  
Release time : Maximum 10ms.  
Operate temperature : -40 to +85°C.

## Shock Resistance

Endurance : 1000m/s<sup>2</sup>.  
Misoperation : 100m/s<sup>2</sup>.

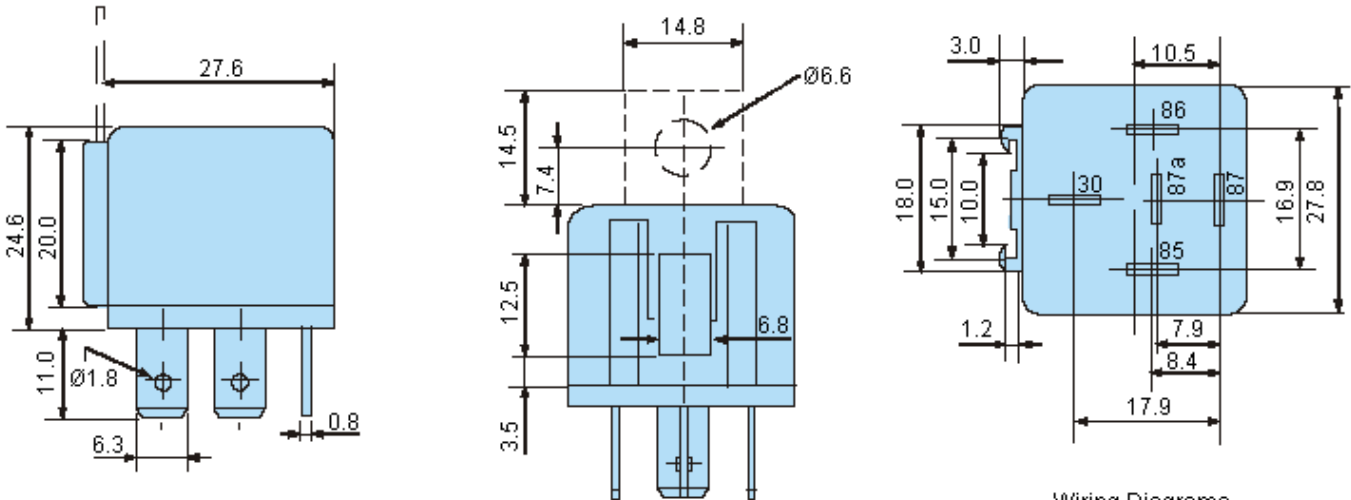
## Vibration Resistance

Endurance : 10 to 55Hz, double amplitude 1.5mm.  
Misoperation : 10 to 55Hz, double amplitude 1.5mm.

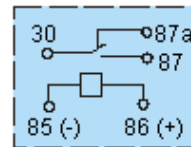
## Coil Data Chart 20°C

Nominal Voltage V dc	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ dc	Release Voltage $\geq V$ dc	Coil Power mW	Contact Arrangement	Protecting Type	Resistance Type	Diode	Shoulder	Part Number
12	90.0	8.4	1.2	1600	1 form C	Standard	Standard	With Diode	With Shoulder	MC25116
								Standard	No Shoulder	MC25115

## Dimensions (mm)



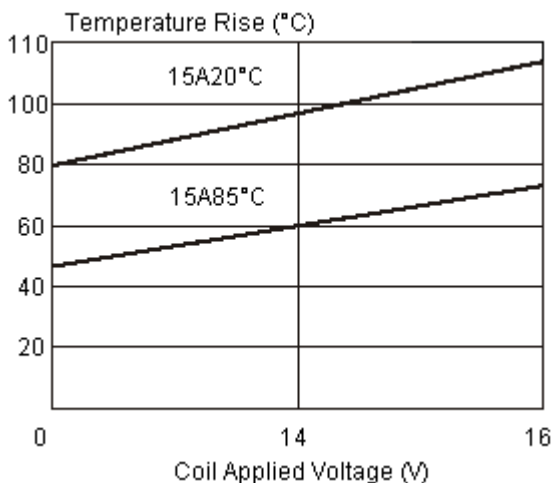
## Wiring Diagrams



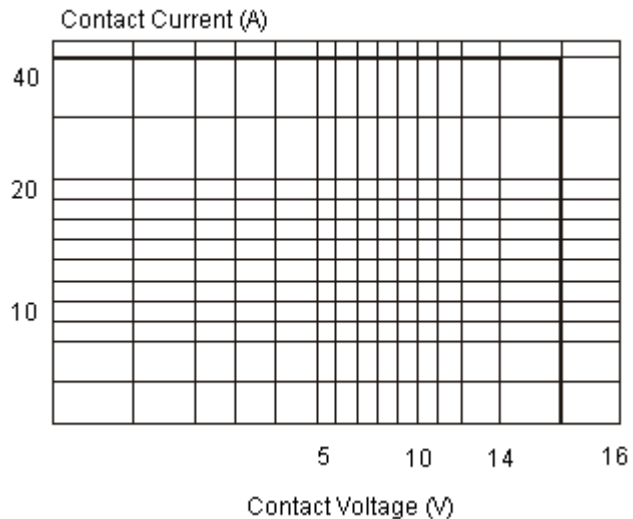
Dimensions : Millimetres

## Characteristic Chart Data

### Temperature Rise



### Maximum Switching Power



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