

Contact Data

Contact Form : 1 form C
 Contact Material : Ag Alloy
 Contact Rating : 30A 14V DC resistive (1 form C)
 Max. Switching Voltage : 75V DC
 Max. Switching Current : 40A
 Max. Switching Power : 420W (1 form C)
 Max. Load Current : 14V DC load voltage
 Contact Resistance : $\leq 100\text{m}\Omega$ (6V DC 1A)

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

Life

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

General Data

Min. Insulation Resistance : 1,000M Ω 500V DC.
 Dielectric Strength : 500V AC, 1 min between open contacts
 500V AC, 1 min between coil and contacts
 Operate Time : Max. 10ms
 Release Time : Max. 10ms
 Operate Temperature : -40°C to +85°C

Shock Resistance

Endurance : 1,000m/s²
 Misoperation : 100m/s²

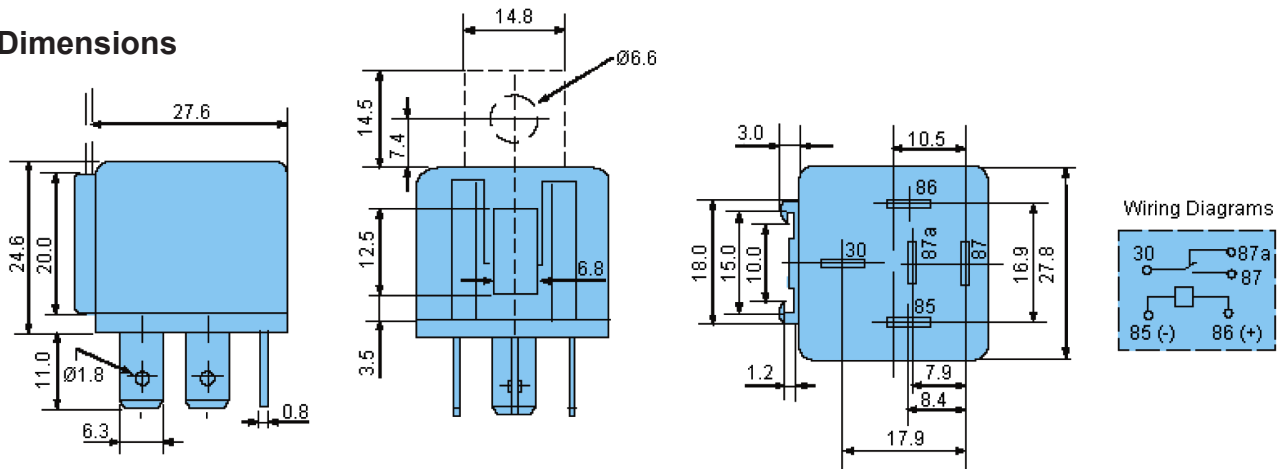
Vibration Resistance

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

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	8.4	1.2	1600	1 form C	Standard	Standard	Standard	No Shoulder	MC25115
								With Diode	With Shoulder	MC25116

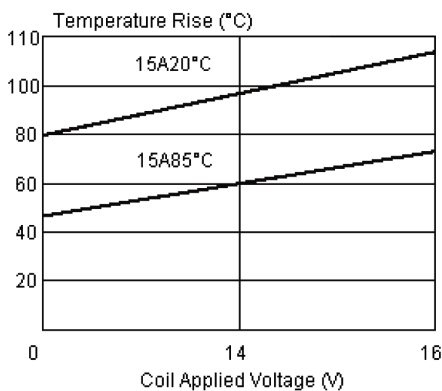
Dimensions



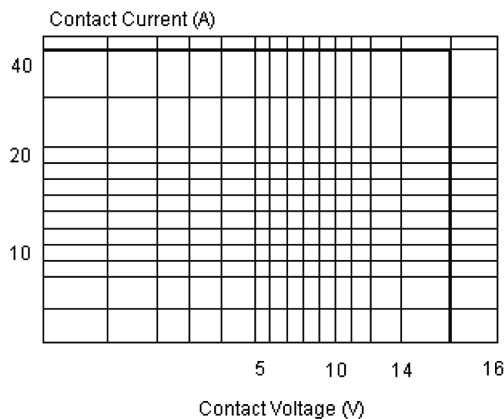
Dimensions : Millimetres

Characteristic Chart Data

Temperature Rise



Maximum Switching Power



Part Number Table

Description	Part Number
Relay	MC25115
	MC25116

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