

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	: ≤100mΩ (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	: 1,000MΩ 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/s ²
Misoperation	: 100m/s ²

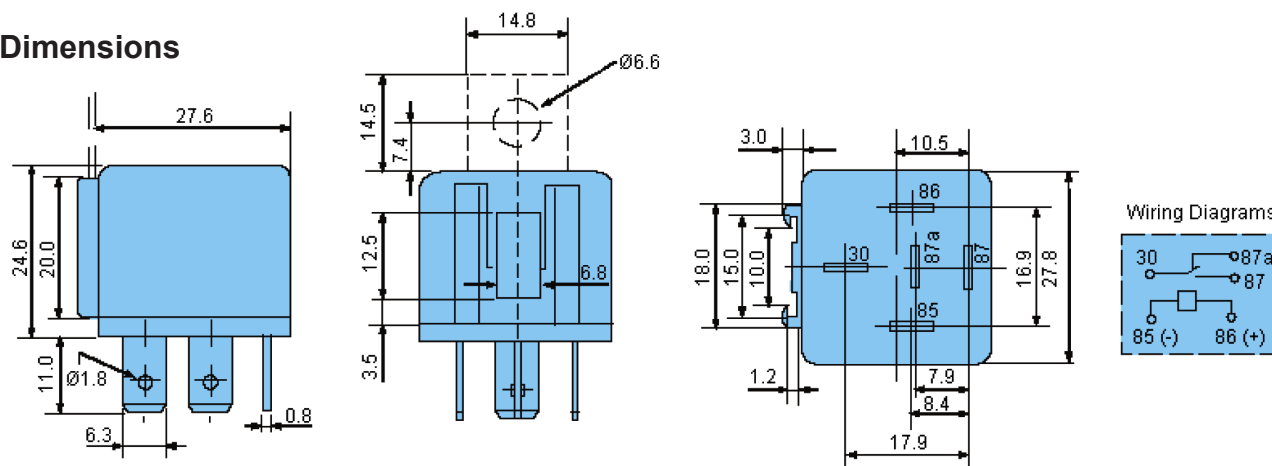
Vibration Resistance

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

Coil Data Chart 20°C

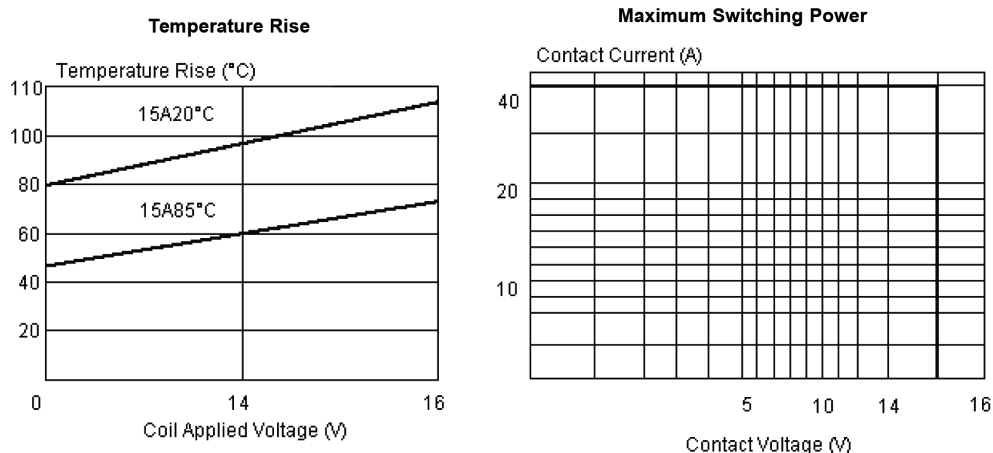
Nominal Voltage V DC	Coil Resistance Ω ±10%	Operate Voltage ≤ V DC	Release Voltage ≥ V DC	Coil Power mW	Contact Arrange- ment	Protect- ing Type	Resist- ance Type	Diode	Shoulder	Part Number
12	90	8.4	1.2	1600	1 form C	Standard	Standard	Standard	No Shoulder	MC25115
								With Diode	With Shoulder	MC25116

Dimensions



Dimensions : Millimetres

Characteristic Chart Data



Part Number Table

Description	Part Number
Relay	MC25115
	MC25116

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