



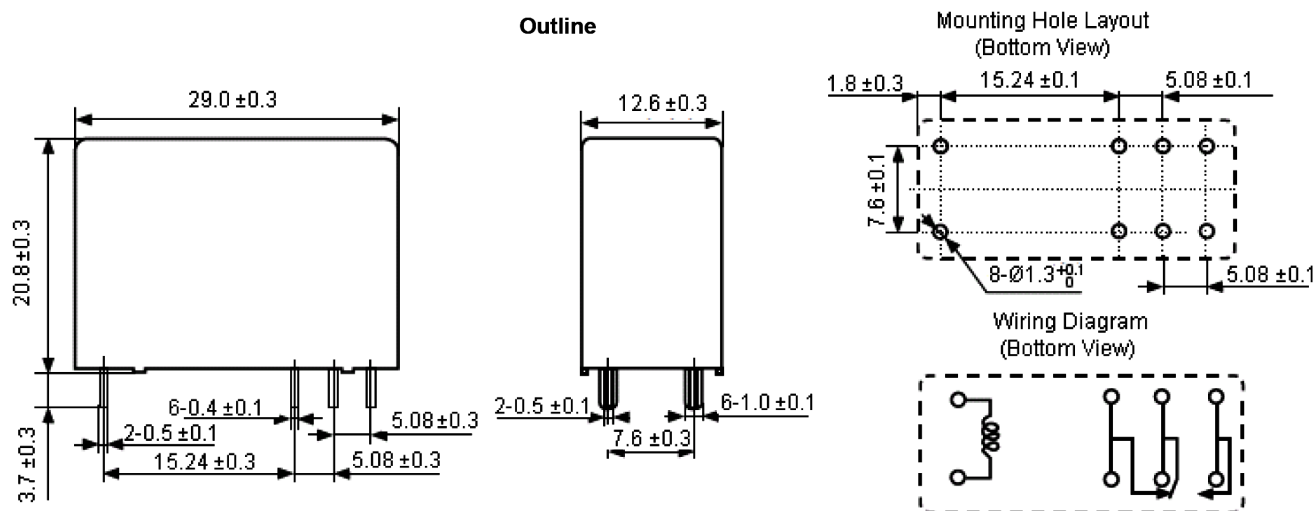
Features

- Slim type with low height
- Dimension: 29mm × 12.6mm × 20.8mm
- Contact from: 1 form C
- Dielectric strength between coil and contact: 4KV
- 16A contact current.
- Creepage distance: 8mm

Specifications

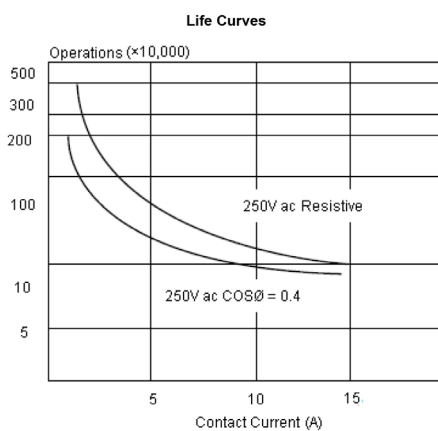
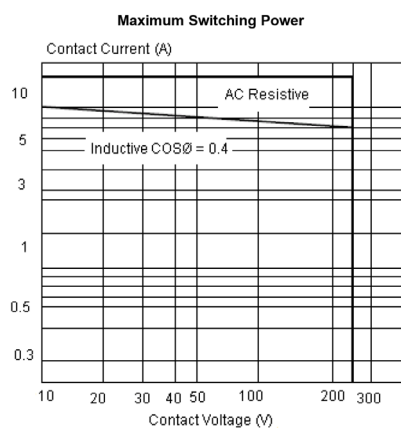
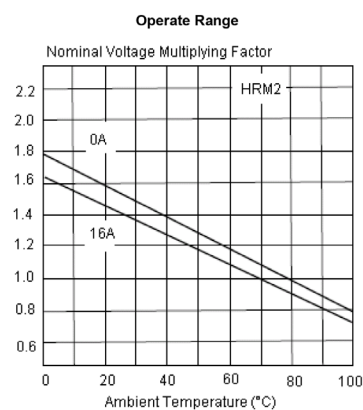
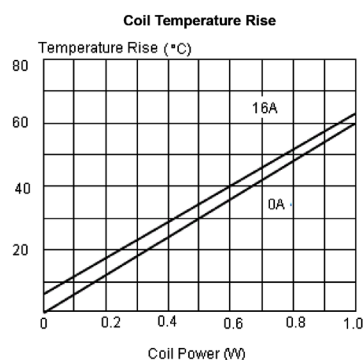
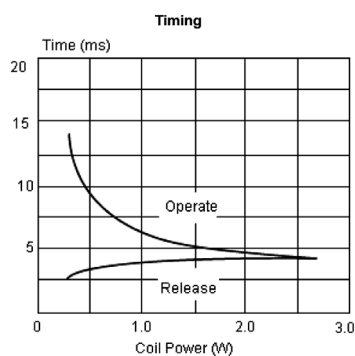
Contact Data		
Contact Material		Ag Alloy
Contact Rating		Resistive : 16A 250V AC / 30V DC TV Rating : TV-8 125V AC Inductive : 8A 250V AC / 30V DC (COSØ = 0.4, L/R = 7ms)
Contact Resistance		Max. 100mΩ (6V DC 1A)
Load	Max. Switching Voltage	250V AC / 30V DC
	Max. Switching Current	16A
	Max. Switching Power	4,000VA, 480W
	Min. Switching Load	5V DC, 100mA
Life	Electrical	100,000 Operations
	Mechanical	10,000,000 Operations
Coil Data		
Nominal Coil Power		540mW, 720mW
General Data		
Insulation Resistance		Min. 1,000MΩ 500V DC
Dielectric Strength	Between Open Contacts	1,000V AC, 1 min
	Between Coil and Contacts	4,000V AC, 1 min
Operate Time		Max. 15ms
Release Time		Max. 8ms
Operating Temperature		-30°C to +55°C (720mW)
		-30°C to +70°C (540mW)
Humidity		35 to 95% RH, +40°C
Shock Resistance	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10 to 55Hz, 1.5mm Double Amplitude
	Misoperation	

Out Line, Wiring Diagram, Mounting Hole Layout



Dimensions : Millimetres

Characteristic Chart Data



Coil Data

Ambient Temperature: 23°C

Nominal Voltage V DC	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ DC	Release Voltage $\geq V$ DC	Coil Power mW	Part Number
5	35	3.75	0.5	720	MCHRM2-S DC5V
9	112.5	6.75	0.9		MCHRM2-S DC9V
12	200	9	1.2		MCHRM2-S DC12V
24	800	18	2.4		MCHRM2-S DC24V

Safety Approval

File Number	Contact Form	Power Consumption	Coil Voltage	Contact Rating	Remarks
TUV 50116140-001	A	0.72W/0.54W	3 - 48V DC	16A 250V AC	Ambient Temperature: 85°C
	C	0.72W/0.54W		NO/NC: 16A/10A 250V AC	
UL E164730	A/C	0.72W/0.54W		16A 120V AC	Ambient Temperature: 40°C
CQC09002035018 (GB/T 21711.1-2008)	A	0.72W/0.54W		16A 250V AC	Ambient Temperature: 85°C
	C	0.72W/0.54W		NO/NC: 16A/10A 250V AC	

Part Number Explanation

MCHRM2



-

S

-

DC5V

-

C

Model

Coil Sensitivity

Enclosure

Coil Voltage

Contact Form

Coil Sensitivity : Blank - Standard (720mW).

Enclosure : S-Plastic sealed type.

Coil Voltage : DC5V, DC9V, DC12V and DC24V.

Contact Form : C-1 Form C.

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro

Farnell.com/multicomp-pro

sg.element14.com/b/multicomp-pro