



Coil Data

Nominal voltage	: 12, 24V dc.
Coil resistance	: Refer to coil data chart.
Operate voltage	: Refer to coil data chart.
Release voltage	: Refer to coil data chart.
Nominal power	: 220mW, 450mW.

Contact Data

Contact form	: 1 form A.
Contact material	: AgAlloy.
Contact rating	: 1A : 10A 125V ac, 5A 250V ac / 30V dc (Standard).
Maximum switching voltage	: 250V ac / 300V dc.
Maximum switching current	: 10A.
Maximum switching power	: 1,250VA, 150W.
Minimum switching load	: 5V dc, 100mA.
Maximum contact resistance	: 100mΩ (6V dc 1A).

Life

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

General Data

Minimum insulation resistance	: 1,000MΩ 500V dc.
Dielectric strength	: 1,000V ac, 1 min between open contacts : 3,500V ac, 1 min between coil and contacts.
Maximum operate time	: 10ms.
Maximum release time	: 5ms.
Operate temperature	: -40 to +85°C.

Shock Resistance

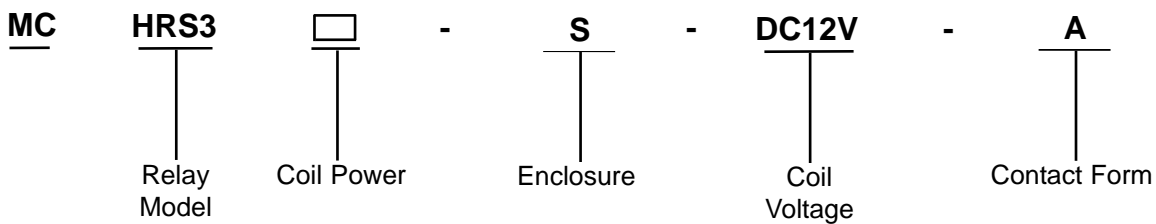
Endurance	: 1,000m/s ² .
Misoperation	: 100m/s ² .

General Data

Vibration Resistance

Endurance : 10 to 55Hz, 1.5mm double amplitude.
 Misoperation : 10 to 55Hz, 1.5mm double amplitude.
 Humidity : 35% to 95%RH, +40°C.

Order Code

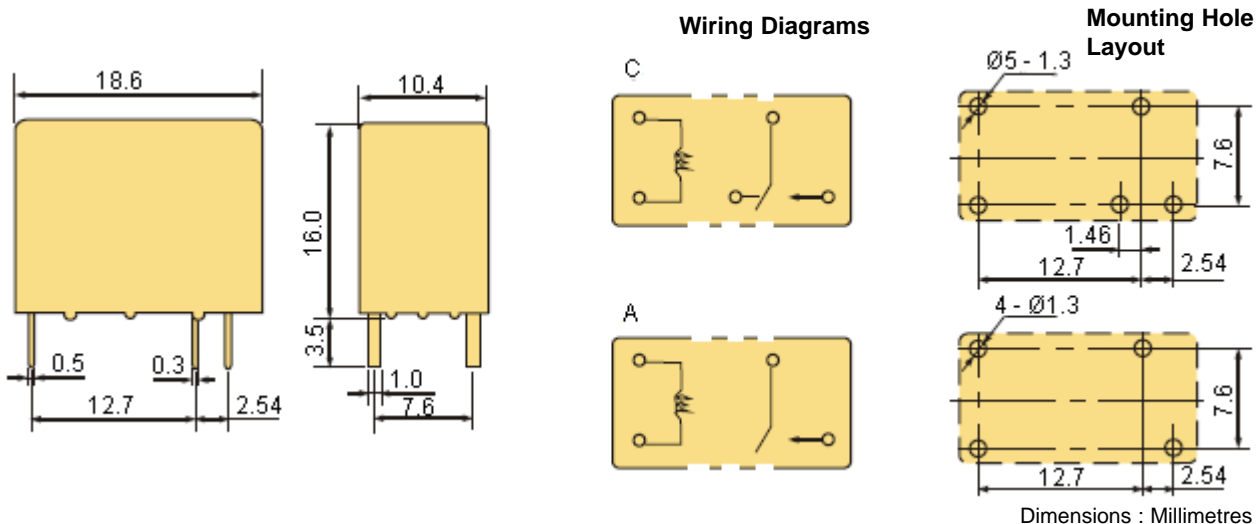


Coil Power : NIL-Standard (450mW).
Enclosure : S = Plastic Sealed Type.
Coil Voltage : 12 = DC12V and 24 = DC24V.
Contact Form : A = 1 Form A.

Coil Data Chart 20°C

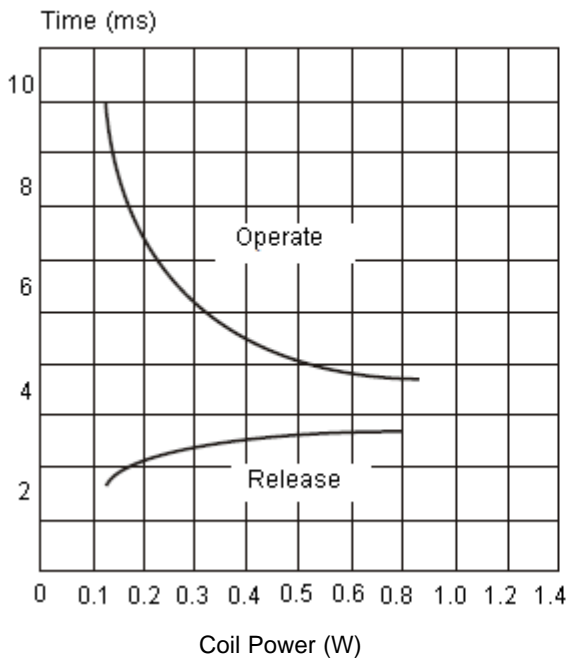
Description	Nominal Voltage V dc	Coil Resistance $\Omega \pm 10\%$	Operate Voltage $\leq V$ dc		Release Voltage $\geq V$ dc	Coil Power mW	Part Number
			A Type	C Type			
Relay, Power, SPST, 12V dc Coil, 0.45W	12	320	8.4	8.4	1.2	450	MCHRS3-S-DC12V-A
Relay, Power, SPST, 24V dc Coil, 0.45W	24	1280	16.8	16.8	2.4		MCHRS3-S-DC24V-A

Dimensions

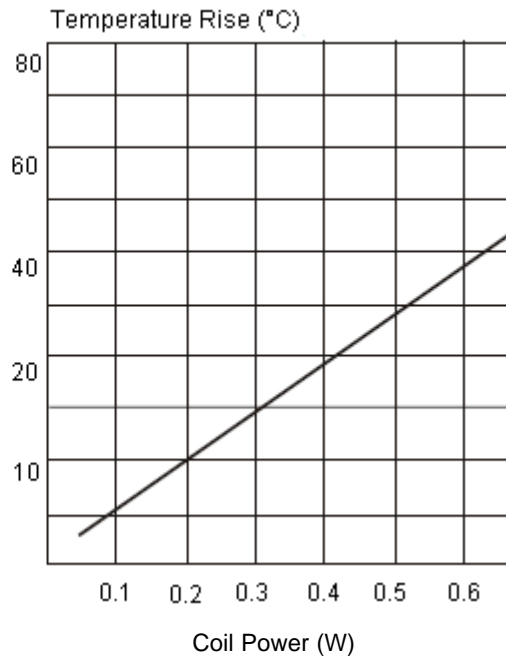


Characteristic Chart Data

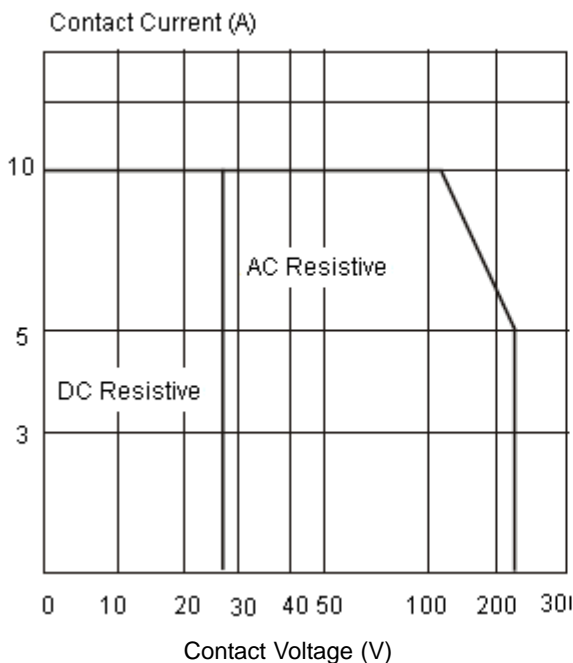
Timing



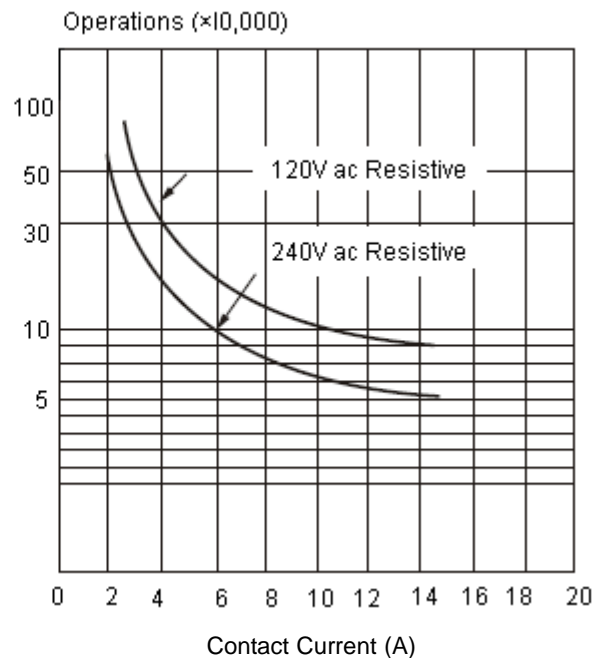
Coil Temperature Rise



Maximum Switching Power



Life Curves



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