

# 2 Poles Slim Electromechanical Relay

MRS Series



- Space saving
- Wide product range
- LED indicator
- Test button option
- High contact rating



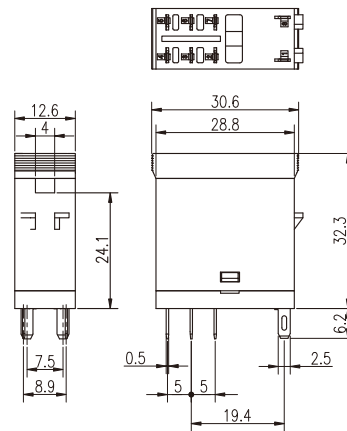
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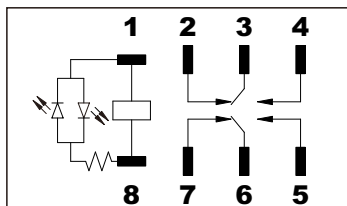
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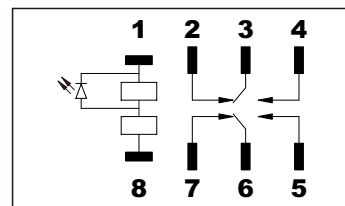
## Dimensions



## Wiring Diagrams



DC Coil



AC Coil

## Type Selection

<u>Coil</u>	<u>Test Button</u>	<u>Type</u>	<u>Order No.</u>
24Vdc	NO	MRSL2824DC	101001
24Vdc	YES	MRSTL2824DC	101002
220Vac	NO	MRSL28220AC	101003
220Vac	YES	MRSTL28220AC	101004

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## Specifications

### Contacts

Contact material	Ag alloy
Load(Impedance)	8A(2 Changover)
Rated voltage	250Vac/30Vdc
Actuation voltage	DC: $\leq 75\%$ , AC: $\leq 80\%$ (rated voltage)
Release voltage	DC: $\leq 10\%$ , AC: $\leq 30\%$ (rated voltage)
Maximum voltage	110%(rated voltage)
Initial contact resistance	$\leq 50\text{m}\Omega$
Max.switching power(with resistive load)	3000VA,360W
Electrical life time	$\geq 10^5$ times
Mechanical life time	$\geq 10^7$ times

### Performance

Operation time(@rated voltage)	$\leq 20\text{ms}$
Release time	$\leq 10\text{ms}$
Ambient temperature(@rated voltage)	-40°C - +55°C
Coil power (DC)	About 0.53 W
Coil power (AC)	About 1.0 (VA)
Environmental humidity	5% - 85%RH
Atmospheric pressure	86 - 106Kpa
Installation	Plug into the socket
Shock resistance	10G(half-sine shock pulse:11ms)
Vibration resistance	10 - 55Hz dual amplitude: 1.0mm

### Insulation

Test voltage(1 min.)	Same pole	1000 Vac(leakage current 1mA)
	Different poles	3000 Vac(leakage current 1mA)
	Contacts coil	5000 Vac(leakage current 1mA)
Insulation resistance		$\geq 1000\text{M}\Omega$ (500Vdc)

### Coil (@ 23°C)

Rated voltage(24VDC)	Winding resistance( $1100\Omega$ , $\pm 10\%$ )
Rated voltage(220VAC)	Winding resistance( $21100\Omega$ , $\pm 10\%$ )

### Approvals

CE

## Sockets



SKS2C1



SKS2C3