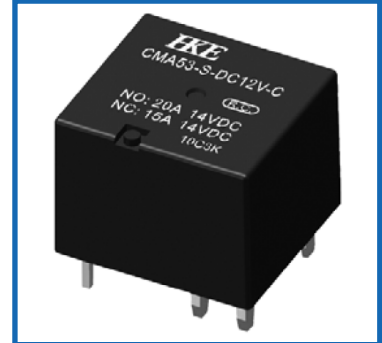


Automotive Relay PCB Mounting, 30A



DESCRIPTION

A range of PCB Mount Automotive Relays. These compact, low noise, PCB mounting relays are designed for switching control signals within automotive circuits.

DISTINCTIVE FEATURES

- Small and compact
- Available in single and twin relay
- CMA53 - single relay, CMA532 - twin relay
- CMA53 Dimensions: 13.0×12.0×10.0(mm)
- CMA532 Dimensions: 23.6×13.0×10.0(mm)
- High contact capacity 30A
- Low noise operation
- Contains no lead and features cadmium-free contacts ensuring environment-friendly use
- Enclosure: S - Plastic Sealed Type
- Contact Material: Ag Alloy
- Electrical Life: 100,000 operations

APPLICATIONS

The small dimensions of these compact automotive relays make them suitable for a wide variety of applications within automotive systems including car alarm, power window, central locking, seat adjustment control, sunroof, motor control, wipers, etc.

30A

SPST

SPDT

12V

24V



ELECTRICAL SPECIFICATION

Contact Form	1 Form C / 1 Form A	
Contact Rating	NO/NC: 20A/15A 14VDC	
Contact Resistance	Max. 100mΩ (6VDC 1A)	
Insulation Resistance	Min. 100MΩ 500VDC	
Load	Max Switching Voltage	16VDC
	Max Switching Current	30A
	Max.Continued operation Current	NO: 30A (23°C, 1h) NC: 25A (23°C, 1h)
Dielectric Strength	Between Open Contacts	550VAC, 1min
	Between Coil & Contacts	550VAC, 1min
Nominal Coil Power	0.55W	



ENVIRONMENTAL/OPERATING SPECIFICATION

Operating Temperature	-40°C to +105°C	
Humidity	35~95%RH, +40°C	
Shock Resistance	Endurance	30g, 6ms
	Misoperation	30g, 6ms
Vibration Resistance	Endurance	10~500Hz, 6g
	Misoperation	10~500Hz, 6g



TERMINALS

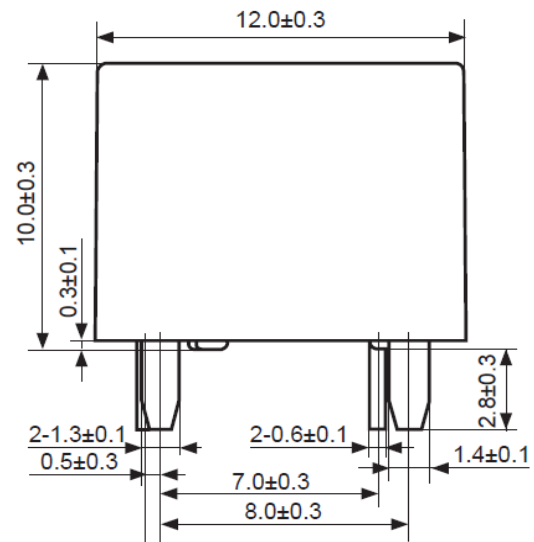
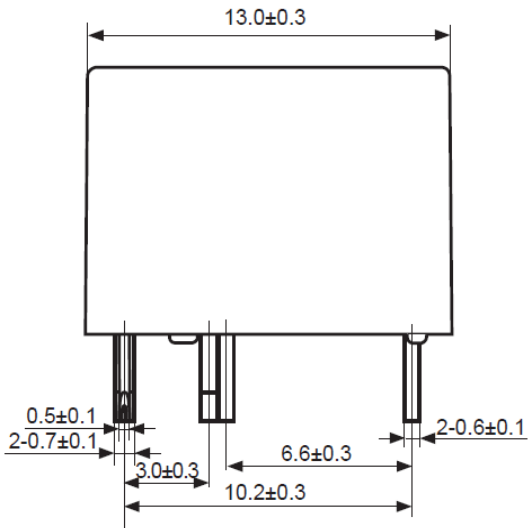
Terminal Type	Solder pins
Terminal Dimensions	See Drawings



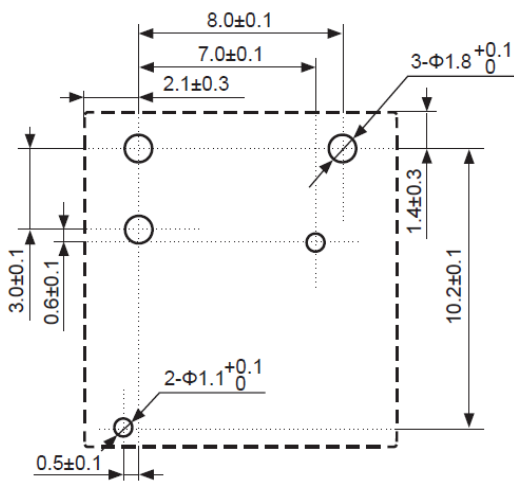
DIMENSIONS/DRAWINGS

Units	mm – unless stated otherwise
Height (excluding pins)	10.0
Width/diameter	12.0
Length/depth	13.0
Weight	Approximately 4.0g

Dimensions

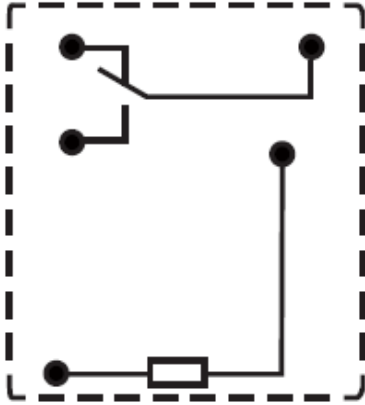


Mounting hole layout

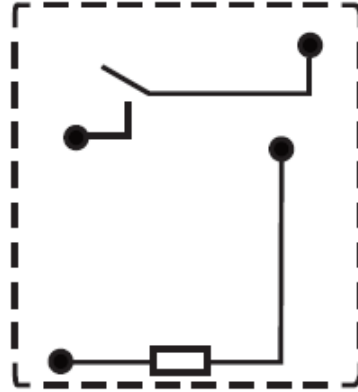




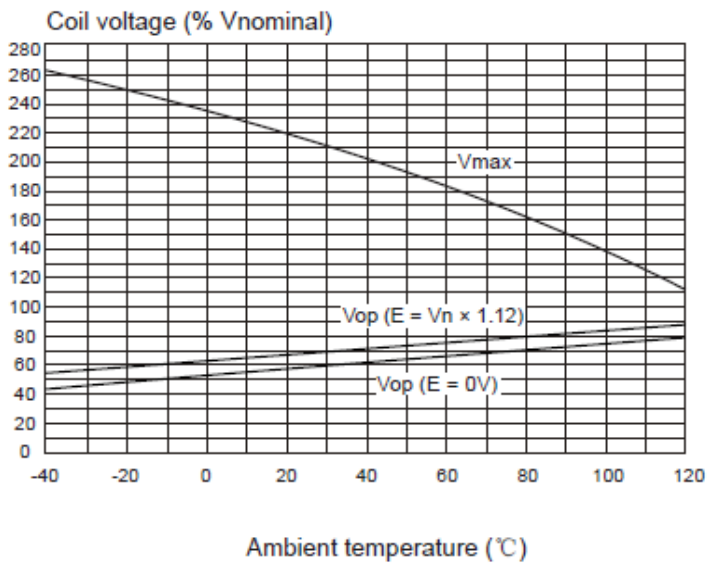
Wiring diagram 1 Form C



Wiring diagram 1 Form A



Operating voltage range



Does not take into account temperature rise due to contact current

Vop = Operation Voltage

E = Pre-energization



PART NUMBER TABLE

Part number	Coil Power mW	Nominal Voltage VDC	Coil Resistance Ω +/-10%	Operating Voltage \leq VDC	Release Voltage \geq VDC	UNSPSC	EAN
61-6416	0.55W	24	1047	13.8	2.4	39122325	5053556032969
61-6417	0.55W	12	261	6.9	1.2	39122325	5053556032969
61-6418	0.55W	24	1047	13.8	2.4	39122325	5053556032969



OPTIONS (MOQ MAY APPLY)

Also available with a coil voltage of	12, 24 VDC
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For further information on pricing, delivery, and long-term stock agreements please get in touch with your local business development contact, telephone our main office on **01206 838000** or email **Sales@Rapidonline.com**.



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