

Heavy Duty & High Power Relays

General purpose relays fit many vehicles. Typical applications include: lighting, starting, horn, heating and cooling. Standard ISO terminal footprint for Form A (SPST), Form C changeover (SPDT) and Form 2A (SPST, 2 terminals). Relays are available sealed and unsealed (unsealed are supplied with snap-in brackets.)

Specifications:

Pull-in voltage: 7.8V maximum at 12V DC, 15.6V at 24V DC.

Release voltage: 1.2V minimum at 12V DC, 2.4V at 24V DC.

Temperature range: -40°C to 85°C.

Operational life: Electrical to 100,000 cycles; Mechanical to 10 million cycles.

Contact Material: Silver alloy.

Dielectric strength: 500V rms between coil and contact.

Insulation resistance: 100MΩ minimum (500V DC).

Vibration resistance: 10-40Hz double amplitude 1.5mm.

Cole Hersee Relays are rated based on a steady state resistive load. De-rate according to the type of load: Motor load: Inrush can be 5 to 10 x steady state current. Solenoid load: Inrush can be 10 to 20 x steady state current. Incandescent lamp load: Inrush can be 10 to 15 x steady state current.

Relays are also available with PC terminals. Contact Cole Hersee.

Heavy Duty Relays 40A at 12V DC



Specifications:

Contact rating (Resistive load) at 20°C:

12V DC: Normally Open 40A,
Normally Closed 30A.

24V DC: Normally Open 20A,
Normally Closed 15A.

Contact arrangement: Available as
Form A (SPST), Form C (SPDT) and
Form 2A (SPST, 2 terminals).

High Power Relays 70A at 12V DC



Specifications:

Contact rating (Resistive load) at 20°C:

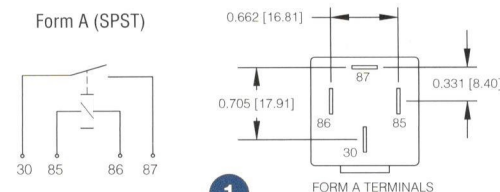
12V DC: Normally Open 70A,
Normally Closed 60A.

24V DC: Normally Open 35A,
Normally Closed 30A.

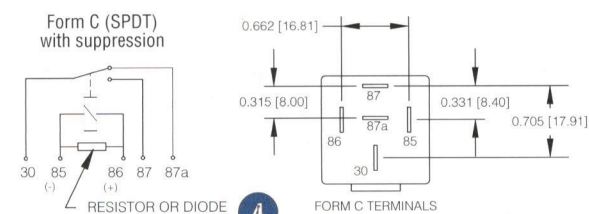
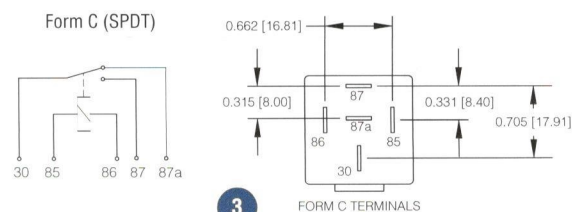
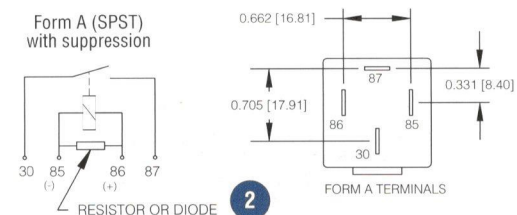
Contact arrangement: Available as
Form A (SPST) and Form C (SPDT).

Relay Schematics & Terminal Layouts

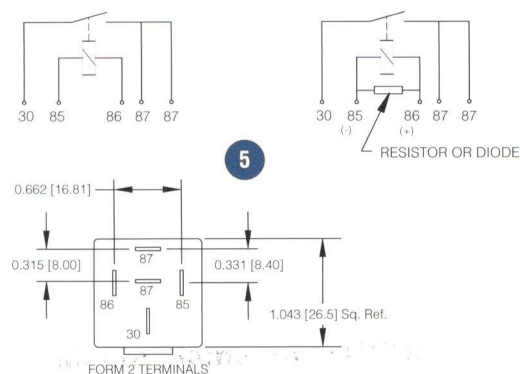
Other configurations are available by special order.



40A Type has .250" terminals. 70A Type has .375" terminals.



Form 2 (SPST) with suppression

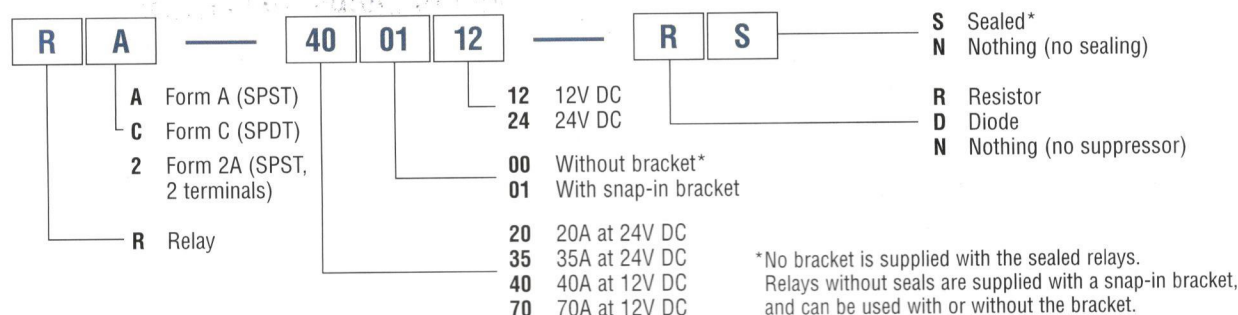


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H5 RELAYS

Relay Part Number Structure



Relay Stock Items

Other configurations, and PC terminals are available. Contact Cole Hersee.

FORM	AMPERAGE	BRACKET	VOLTAGE	SUPPRESSOR	SEAL	PART NUMBER	DIAGRAM
A: SPST	40	01 Snap-in	12	N: none	N: no seal	RA-400112-NN	1
A: SPST	40	01 Snap-in	12	R: resistor	N: no seal	RA-400112-RN	2
A: SPST	40	01 Snap-in	12	D: diode	N: no seal	RA-400112-DN	2
A: SPST	20	01 Snap-in	24	N: none	N: no seal	RA-200124-NN	1
A: SPST	20	01 Snap-in	24	R: resistor	N: no seal	RA-200124-RN	2
A: SPST	20	01 Snap-in	24	D: diode	N: no seal	RA-200124-DN	2
A: SPST	40	00 None	12	D: diode	S: sealed	RA-400012-DS	2
A: SPST	20	00 None	24	D: diode	S: sealed	RA-200024-DS	2
C: SPDT	40	01 Snap-in	12	N: none	N: no seal	RC-400112-NN	3
C: SPDT	40	01 Snap-in	12	R: resistor	N: no seal	RC-400112-RN	4
C: SPDT	40	01 Snap-in	12	D: diode	N: no seal	RC-400112-DN	4
C: SPDT	20	01 Snap-in	24	N: none	N: no seal	RC-200124-NN	3
C: SPDT	20	01 Snap-in	24	R: resistor	N: no seal	RC-200124-RN	4
C: SPDT	20	01 Snap-in	24	D: diode	N: no seal	RC-200124-DN	4
C: SPDT	40	00 None	12	D: diode	S: sealed	RC-400012-DS	4
C: SPDT	20	00 None	24	D: diode	S: sealed	RC-200024-DS	4
2: SPST	20	01 Snap-in	24	R: resistor	N: no seal	R2-200124-RN	5
2: SPST	40	01 Snap-in	12	R: resistor	N: no seal	R2-400112-RN	5
A: SPST	70	01 Snap-in	12	N: none	N: no seal	RA-700112-NN	1
A: SPST	70	01 Snap-in	12	R: resistor	N: no seal	RA-700112-RN	2
A: SPST	70	01 Snap-in	12	D: diode	N: no seal	RA-700112-DN	2
C: SPDT	70	01 Snap-in	12	N: none	N: no seal	RC-700112-NN	3
C: SPDT	70	01 Snap-in	12	R: resistor	N: no seal	RC-700112-RN	4
C: SPDT	70	01 Snap-in	12	D: diode	N: no seal	RC-700112-DN	4

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