

HOT FEED

Information on New Products from Cole Hersee Company

NEW

Heavy Duty & High Power Relays

**Heavy duty: 40A at 12V DC,
High power: 70A at 12V DC.**

**General purpose, automotive
relays fit many vehicles.**

**Typical applications: lighting
control, starting, horn, heating,
and cooling.**

**Standard ISO terminal
footprint for Form A (SPST)
and Form C changeover (SPDT).**

Available sealed and unsealed.



Heavy Duty Relays

Contact Rating: Normally open 40A at 12V DC.
Normally closed 30A at 12V DC.

Normally open 20A at 24V DC.
Normally closed 15A at 24V DC.

Contact configuration: Available as Form A: (SPST)
Normally open and Form C: changeover SPDT.

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

High Power Relays

Contact Rating: Normally open 70A at 12V DC.
Normally closed 60A at 12V DC.

Normally open 35A at 24V DC.
Normally closed 30A at 24V DC.

Contact configuration: Available as Form A: (SPST)
Normally open and Form C: changeover SPDT.

Vibration resistance: 10-55Hz double
amplitude 1.5mm.

General Specifications

- Contact rating:
Relays are rated based on a steady resistive load:
de-rate according to the load type:
 - 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.
- 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: 100M Ω minimum (500V DC).

 **Cole Hersee Co.**

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See our interactive product catalog at www.colehersee.com

Stock Items

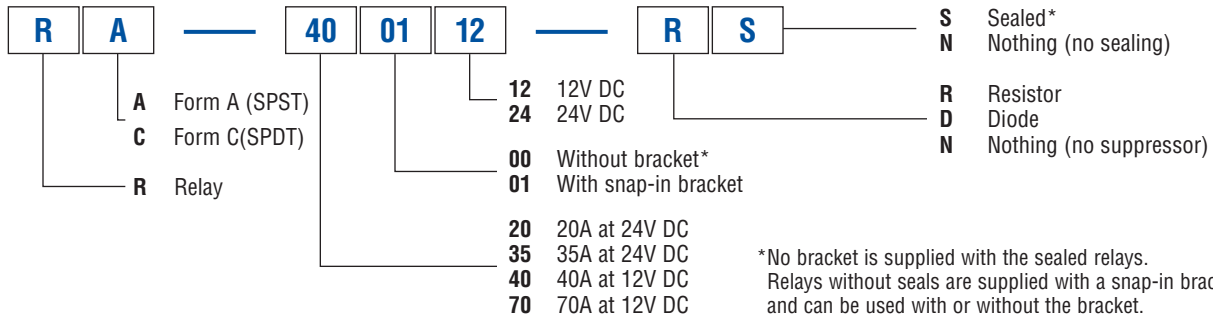
Other configurations are available by special order.

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
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

*Relays without seals are provided with a snap-in bracket, and can be used with or without the bracket.

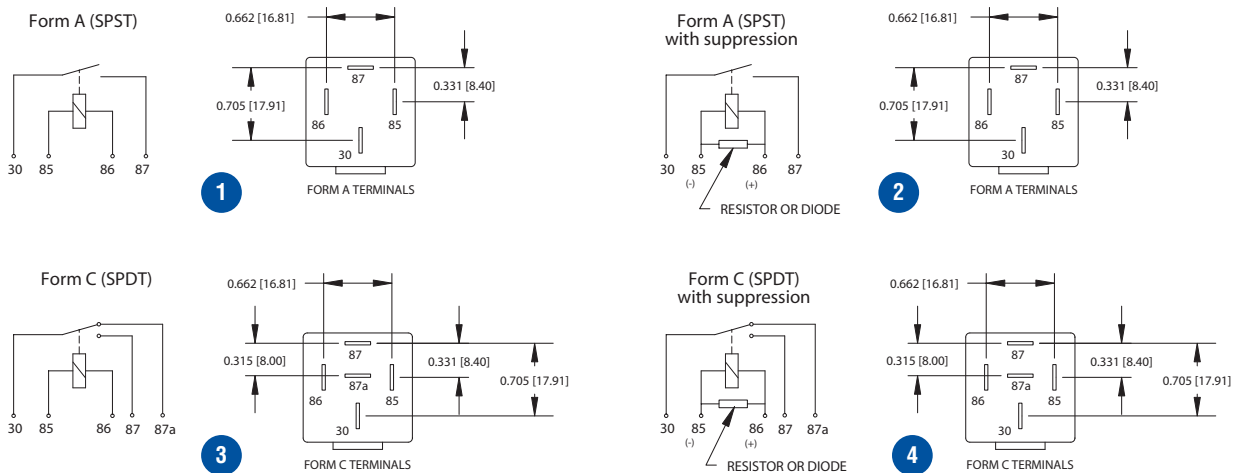
**DIAGRAM: see 'Schematics and Terminal Layouts' below.

Part Number Ordering Structure



Schematics & Terminal Layouts

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



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All specifications and information is subject to change without notice.