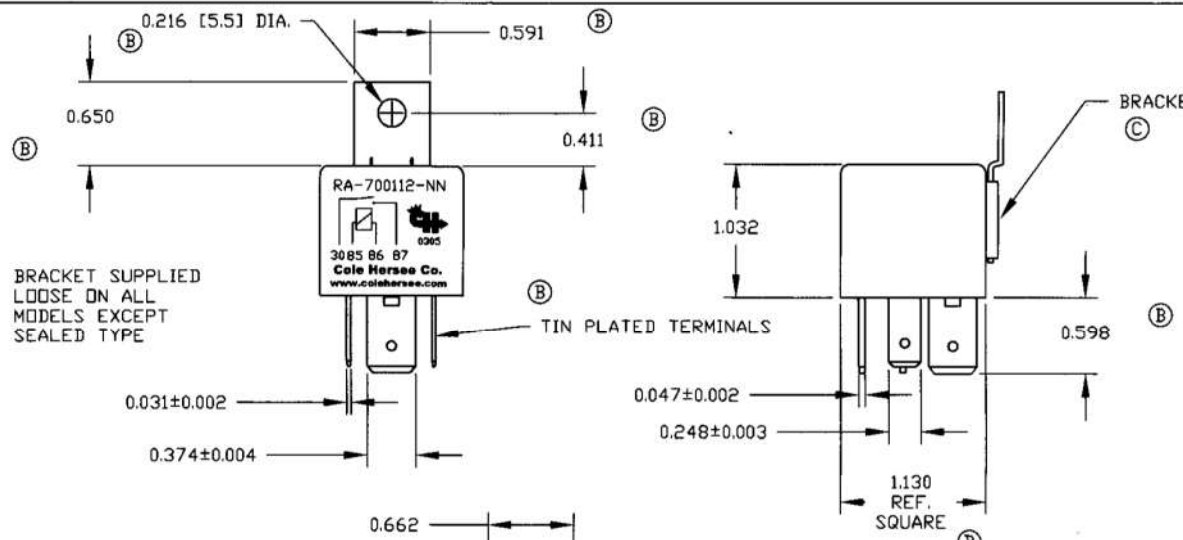


Revision Control Record

Rev.	Description of Change	ECN No.	Date
A	NEW REVISION	03267	7/22/03
B	DIMENSIONS & NOTES	03399	9/11/03
C	ADD MODELS WITHOUT BRACKET	04462	11-5-04

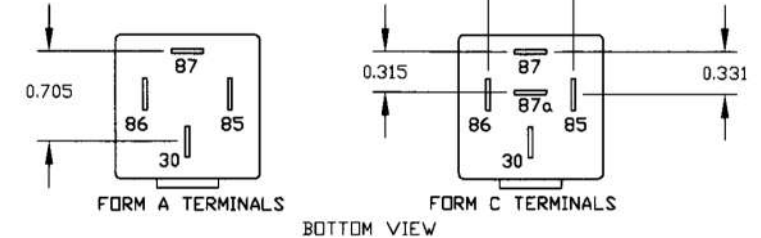


BRACKET SUPPLIED LOOSE ON ALL MODELS EXCEPT SEALED TYPE

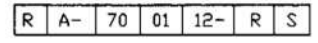
BRACKET RECEPTACLE

SPECIFICATIONS:

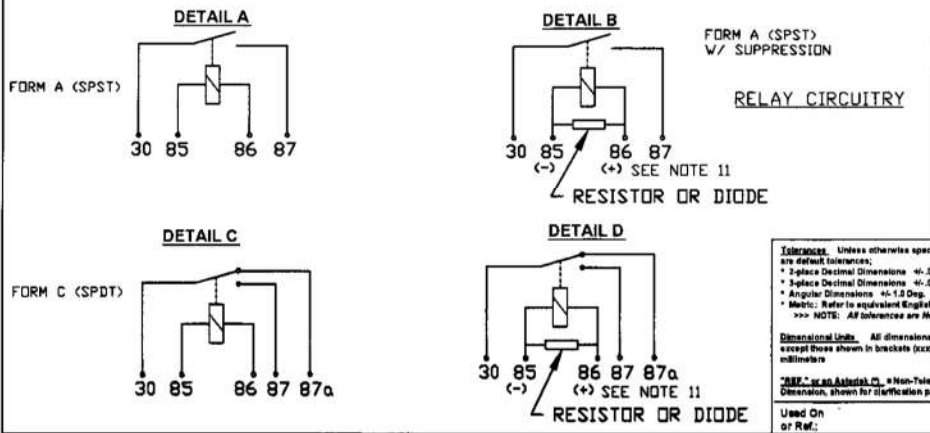
- PULL IN VOLTAGE 7.8 MAX. [@ 12VDC], 15.6 MAX. [@ 24 VDC]
- RELEASE VOLTAGE 1.2V MIN. [@ 12VDC], 2.4 MIN. [@ 24VDC]
- MAX VOLTAGE 18VDC FOR 12V RATED RELAY, 36VDC FOR 24VDC.
- TEMPERATURE -40DEG C TO 85 DEG C
- VIBRATION RESISTANCE 10-55 HZ, DOUBLE AMPLITUDE 1.5 MM
- OPERATION LIFE: 100,000 ELECTRICAL, 10,000,000 MECHANICAL
- CONTACT RATING: N.O. 70A @ 14VDC, N.C. 60A @ 14VDC, N.O. 35 @ 24VDC, N.C. 30A @ 24VDC RESISTIVE
- DIELECTRIC STRENGTH: 500V
- COIL RESISTANCE: 80 OHMS ± 10% FOR 12DC, 320 OHMS FOR 24VDC
- RATED CURRENT OF COIL 150mA @ 12VDC, 75mA @ 24VDC.
- POLARITY ONLY REQUIRED ON DIODE VERSION
- MODELS WITHOUT A BRACKET DO NOT HAVE BRACKET RECEPTACLE



RELAY PART NUMBER STRUCTURE



- S = SEALED
- N = NOTHING [NO SEALING]
- R = RESISTOR
- D = DIODE
- N = NOTHING [NO SUPPRESSION]
- 12 = 12VDC
- 24 = 24VDC
- 00 = NO BRACKET [NO BRACKET FOR SEALED TYPE]
- 01 = BRACKET
- 70 = 70A [12VDC]
- 35 = 35A [24VDC]
- A = FORM A [SPST]
- C = FORM C [DPDT]
- R = RELAY



Tolerances: Unless otherwise specifically noted, the following are default tolerances:
 * 3-place Decimal Dimensions -$\pm 0.25^\circ$
 * 3-place Decimal Dimensions -$\pm 0.25^\circ$
 * Angular Dimensions -± 1.0 Deg.
 * Metric: Refer to equivalent English Dimensional Tolerance.
 >>> NOTE: All tolerances are Non-Cumulative. <<<

Dimensional Units: All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters.

REF. to an Asterisk (*) = Non-Tolerance Reference Dimension, shown for clarification purposes only.

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DO NOT SCALE: Dimensional variation may occur during printing/reproduction.

Essential Characteristics:

- Critical Characteristics, relating to Safety and/or Regulatory Compliance
- Significant Characteristics relating to Process Control (SPC)
- Control Dimension relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer

(Note that the identification of any Characteristics as being "Special" does not alter the requirement that ALL specified dimensions & tolerances must be met.)

Cole Hersee Co.
 20 Old Colony Ave., South Boston, MA, 02127
 Phone: 617-268-2100 Web: www.colehersee.com

Description: RELAY, 70A SERIES

Drawing / Part No.: RA-70012-NN C

Revision Control Record

Rev.	Description of Change	ECN No.	Date
	SEE PAGE ONE FOR REVISION LEVEL		

ⓑ	RC-350124-RN	DETAIL D	35A	FORM C	YES	24 VDC	RESISTOR	NO
ⓒ	RC-350024-RN	DETAIL D	35A	FORM C	NO	24 VDC	RESISTOR	NO
ⓑ	RC-350124-DN	DETAIL D	35A	FORM C	YES	24 VDC	DIODE	NO
ⓒ	RC-350024-DN	DETAIL D	35A	FORM C	NO	24 VDC	DIODE	NO
ⓑ	RC-350124-NN	DETAIL C	35A	FORM C	YES	24 VDC	NONE	NO
ⓒ	RC-350024-NN	DETAIL C	35A	FORM C	NO	24 VDC	NONE	NO
ⓑ	RA-350124-RN	DETAIL B	35A	FORM A	YES	24 VDC	RESISTOR	NO
ⓒ	RA-350024-RN	DETAIL B	35A	FORM A	NO	24 VDC	RESISTOR	NO
ⓑ	RA-350124-DN	DETAIL B	35A	FORM A	YES	24 VDC	DIODE	NO
ⓒ	RA-350024-DN	DETAIL B	35A	FORM A	NO	24 VDC	DIODE	NO
ⓑ	RA-350124-NN	DETAIL A	35A	FORM A	YES	24 VDC	NONE	NO
ⓒ	RA-350024-NN	DETAIL A	35A	FORM A	NO	24 VDC	NONE	NO
	RC-700112-RN	DETAIL D	70A	FORM C	YES	12 VDC	RESISTOR	NO
ⓒ	RC-700012-RN	DETAIL D	70A	FORM C	NO	12 VDC	RESISTOR	NO
	RC-700112-DN	DETAIL D	70A	FORM C	YES	12 VDC	DIODE	NO
ⓒ	RC-700012-DN	DETAIL D	70A	FORM C	NO	12 VDC	DIODE	NO
	RC-700112-NN	DETAIL C	70A	FORM C	YES	12 VDC	NONE	NO
ⓒ	RC-700012-NN	DETAIL C	70A	FORM C	NO	12 VDC	NONE	NO
	RA-700112-RN	DETAIL B	70A	FORM A	YES	12 VDC	RESISTOR	NO
ⓒ	RA-700012-RN	DETAIL B	70A	FORM A	NO	12 VDC	RESISTOR	NO
	RA-700112-DN	DETAIL B	70A	FORM A	YES	12 VDC	DIODE	NO
ⓒ	RA-700012-DN	DETAIL B	70A	FORM A	NO	12 VDC	DIODE	NO
	RA-700112-NN	DETAIL A	70A	FORM A	YES	12 VDC	NONE	NO
ⓒ	RA-700012-NN	DETAIL A	70A	FORM A	NO	12 VDC	NONE	NO
	PART NUMBER	CIRCUITRY	RATING	TERMINAL LAYOUT	BRACKET	VOLTAGE	SUPPRESSION	SEALING

Tolerances. Unless otherwise specifically noted, the following are default tolerances:
 * 2-place Decimal Dimensions $\pm .02$ "
 * 3-place Decimal Dimensions $\pm .005$ "
 * Angular Dimensions ± 1.0 Deg.
 * Metric: Refer to equivalent English Dimension Tolerance
 >>> NOTE: All tolerances are Non-Cumulative. <<<

Dimensional Units. All dimensions are expressed in inches except those shown in brackets (xx) are expressed in millimeters

"REF." or an Asterisk (*) = Non-Toleranced Reference Dimension, shown for clarification purposes only.

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DO NOT SCALE - Dimensional variation may occur during printing/reproduction.

Special Characteristics:

Critical Characteristic, relating to Safety and/or Regulatory Compliance

Significant Characteristic relating to Process Control (SPC)

Control Dimension relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer

(Note that the Identification of any Characteristics as being "Special" does not alter the requirement that ALL specified dimensions & tolerances must be met.)

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Description: **RELAY 70A SERIES**

Drawing/Part No.: **RA-700112-NN**

SEE PG. 1 FOR REV.

Used On or Ref:

Scale: **1:1**

Drawn By: **JT**

Date Drawn: **6/16/03**

Responsible Engineer: **JT**

Pg. 2 of 2