

DESCRIPTION

PRODUCT COVERED:

USR, CNR - Relay, Model Series RJ1S and RJ2S Series.

GENERAL:

These devices are magnetically operated switches with SPDT and DPDT contacts. The switches are provided with a dust cover. They are intended to be used in industrial applications where the suitability of the combination has been determined by Underwriters Laboratories Inc.

ELECTRICAL RATINGS:

Series	Coil Voltage	Contact Rating	Endurance
<b>RJ1S</b>	<b>5-110 V dc 12-240 V ac</b>	<b>NO: 12 A, 250 V ac, Resistive 12 A, 30 V dc 16 A, 250 V ac, General Use</b> <b>NC: 6 A, 250 V ac, General Use 6 A, 30 V dc 6 A, 250 V ac, Resistive</b>	<b>6K cycles</b>
<b>RJ2S</b>	<b>5-110 V dc 12-240 V ac</b>	<b>NO: 8 A, 250 V ac, Resistive 8 A, 30 V dc</b> <b>NC: 4 A, 250 V ac, Resistive 4 A, 30 V dc</b>	<b>6K cycles</b>

NOMENCLATURE:

<b>RJ</b>	<b>2</b>	<b>S</b>	<b>-C</b>	<b>D</b>	<b>X</b>	<b>-D5</b>
I	II	III	IV	V	VI	VII

I. Basic Designation

RJ Series

II. Number of Poles

**1 – Single Pole**

2 – Double Pole

III. Terminal Type

S- Soldering and Plug-in Type

IV. Contact Arrangement

C – Form C

V. Additional Functions

Blank – Without additional Function

D – Diode for surge voltage of DC coil (Normal Polarity=NP)

D1 – Diode for surge voltage of DC coil (Reverse Polarity=RP)

R - Capacitor and Resistor for surge voltage of AC coil

L - Indicator Light

LD – Indicator Light and Diode for surge voltage of DC coil (NP)

LD1 –Indicator Light and Diode for surge voltage of DC coil (RP)

LR - Indicator Light, Capacitor and Resistor for surge voltage of AC coil

VI. Contact material

Blank – Standard (AgNi)

VII. Coil Voltages

DC coil: 5V through 110Vdc – D5 through D110

AC coil: 12V through 240V – A12 through A240

ENGINEERING CONSIDERATIONS (Not for Field Representative's Use)

Special Consideration - The following items are considerations that were used when evaluating this product.

USR - Indicated evaluation to UL 508, Seventeenth Edition, the Standard for Industrial Control Equipment

CNR - Indicated evaluation to CSA 22.2 No. 14-95, the Standard for Industrial Control Equipment for Use in Ordinary Locations.

Conditions of Acceptability -

1. These open type devices should be used within their Recognized ratings as specified above.
2. These open type devices should be mounted in the intended manner with acceptable spacings in enclosures, which have adequate strength and thickness.
3. These relays were tested in an ambient temperature as indicated below. If mounted in an environment where the ambient temperature exceeds what is given below, then consideration should be given to repeating the temperature test.

Model	Maximum Surrounding air
RJ Series	40°C

4. The terminals are to be factory wired only and the suitability of the connections including spacings between factory connectors shall be determined in the end-use.
5. No surge suppression evaluation was performed on the specified surge circuitry mentioned in the nomenclature.