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REPORT

ON

COMPONENT - SWITCHES, INDUSTRIAL CONTROL

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Guangdong, China

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DESCRIPTION

PRODUCT COVERED:

USR, CNR - Switches, Industrial Control, Type SJE, followed by -S or -SH, followed by -1, followed by 03 to 24, followed by D or L, followed by M or blank, followed by 1 or blank, followed by -B, -F or blank, maybe followed by any special codes.

GENERAL:

These devices are enclosed, magnetically operated, single-pole, single-throw (Form A) relays with normally open contacts or double-throw (Form C) with normally open and normally closed contacts.

USR indicates investigation to the Standard for Industrial Control Equipment, UL 508, 17th Edition, revision dated July 11, 2005.

CNR indicates investigation to the Standard for Industrial Control Equipment, CAN/CSA C22.2 No. 14-05, 10th Edition, revision dated March 2006.

ELECTRICAL RATINGS:

Contact:

SJE with suffix D:

Form A: 10 A, 125 V ac, Resistive
5 A, 250 V ac, Resistive
5 A, 30 V dc, Resistive
1.5 A, 250 V ac, General Use

For contact AgCdO: 5 A, 277 V ac, Resistive, 100k cycles, SAT 85 °C
For contact AgSnO2: 5 A, 277 V ac, Resistive, 60k cycles, SAT 85 °C
1/6 hp, 277 V ac, 100k cycles, SAT 85 °C

Form C: 5 A, 250 V ac, Resistive, NO
5 A, 30 V dc, Resistive, NO
3 A, 250 V ac, Resistive, NC
3 A, 30 V dc, Resistive, NC
1 A, 250 V ac, General Use, NO/NC

5 A, 277 V ac, Resistive, 100k cycles, NO, SAT 85 °C
1/6 hp, 277 V ac, 100k cycles, NO, SAT 85 °C

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SJE with suffix L:

Form A: 3 A, 250 V ac, Resistive
3 A, 30 V dc, Resistive
1.5 A, 250 V ac, General Use
5 A, 277 V ac, Resistive, 60k cycles, SAT 85 °C
1/6 hp, 277 V ac, 60k cycles, SAT 85 °C

Form C: 3 A, 250 V ac, Resistive, NO/NC
3 A, 30 V dc, Resistive, NO/NC
1 A, 250 V ac, General Use, NO/NC
5 A, 277 V ac, Resistive, 60k cycles, NO, SAT 85 °C
1/6 hp, 277 V ac, 60k cycles, NO, SAT 85 °C

Coil Voltage: Any voltage between 3 Vdc and 24 Vdc.

NOMENCLATURE:

$$\frac{SJE}{I} - \frac{S}{II} - \frac{1}{III} \quad \frac{12}{IV} \quad \frac{D}{V} \quad \frac{M}{VI} \quad \frac{1}{VII} - \frac{F}{VIII} - \frac{XX}{IX}$$

- I. Basic Model
- II. Protective Construction
- S: Sealed Type
SH: Sealed type washable
- III. Number of Poles
- 1: Single pole
- IV. Coil Voltage
- Any voltage between 3 Vdc and 24 Vdc.
- V. Coil Sensitivity
- D: 0.45 W
L: 0.2 W
- VI. Contact Form
- M : 1 form A
Blank: 1 form C
- VII. Contact Material
- 1: AgCdO
Blank: AgSnO₂
- VIII. Insulation System
- Blank : Standard Type
B : Class 130 (B)
F : Class 155 (F)
- IX. Special Code
- Additional numbers or letters, which don't effect construction.

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

This component has been judged on the basis of the required spacings in the Standard for Industrial Control Equipment, UL 508, Seventeenth Edition, revision dated July 11, 2005, which would cover the component itself, if, submitted for unrestricted Listing.

CONDITIONS OF ACCEPTABILITY -

1. A suitable enclosure should be provided for these devices in the end-product.
2. The relay terminals are not suitable for field wiring. The relay terminals are to be factory-wired only and the suitability of the connection (including spacings between factory connectors) shall be determined.
3. This device should be used within its Recognized ratings as specified above.