

File E179745
Project 5CA42381

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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 - Component - Switches, Industrial Control, Model series SMH, followed by the number -1, followed by numbers 05 to 48, followed by the letter D, followed by the letter M, followed by blank or P, followed by -B, -F or blank, maybe followed by any special codes.

GENERAL:

These devices are enclosed, magnetically operated, single-pole, single-throw relays with normally open contacts. These relays are for use in industrial control applications.

RATINGS:

Contact: 16 A, 277 V ac, Resistive, N.O.

Coil Voltage: Any voltage between 5 Vdc and 48 Vdc.

*Max. Surrounding Air Temperature: 85°C

NOMENCLATURE:

$\frac{SMH}{I}$ - $\frac{1}{II}$ $\frac{12}{III}$ $\frac{D}{IV}$ $\frac{M}{V}$ $\frac{blank}{VI}$ - $\frac{F}{VII}$ $\frac{XX}{VIII}$

I. Basic Model

II. Number of Pole

1: 1 pole

III. Coil Voltage

Any voltage between 5 Vdc and 48 Vdc.

IV. Coil Sensitivity

D: 0.5 W

V. Contact Form

M: 1 form A

VI. Terminal Type

Blank: Standard type

P: PCB type, please refer to ILL-2 for the detailed difference between the Standard type and PCB type.

VII. Insulation System

B : Class 130 (B)
F : Class 155 (F)
Blank: Standard Type

VIII. Special Code

Additional numbers or letters, which don't effect construction.

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

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

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

Use - For use only in complete equipment where the acceptability of the combination has been determined by Underwriters Laboratories, Inc.

CONDITIONS OF ACCEPTABILITY -

1. These devices should be used within Recognized ratings as specified above.
2. These devices should be mounted in the intended manner with a mounting means having adequate strength, thickness and acceptable spacing.
3. Spacing from the exposed live metal parts to the end use enclosure walls shall be in accordance with the requirements of the overall equipment.
4. The relays are intended for factory wiring only and suitability of termination should be determined in the end use.
- *5. Temperature Tests were conducted on these devices with the surrounding air temperature of 85°C.