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Project 08CA49010

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REPORT

ON

COMPONENT - MAGNETIC MOTOR CONTROLLERS

*Dongguan Sanyou Electrical Appliances Co., Ltd.
Guangdong, China

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DESCRIPTION

PRODUCT COVERED:

*USR, CNR - Magnetic Motor Controllers, Type SRB, followed by -S or -SH, followed by -1, followed by 05 to 24, followed by D or H, followed by M, followed by Blank, followed by -B, -F or Blank, maybe followed by any special codes.

GENERAL:

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

ELECTRICAL RATINGS:

Contact:

3 A, 277 V ac, Resistive, 100K cycles N.O., 85°C.
5 A, 277 V ac, Resistive, 100K cycles N.O., 85°C.
3 A, 30 V dc, Resistive, 100K cycles, N.O., 85°C.
3 A, 250 V ac, Resistive, 100K cycles, N.O., 85°C.
5 A, 250 V ac, Resistive, 100K cycles, N.O., 85°C.
3 A, 250 V ac, General Use, 100K cycles, N.O., 85°C.
5 A, 250 V ac, General Use, 100K cycles, N.O., 85°C.
1/8 HP, 240 V ac, 30K cycles, 85°C.

Coil Voltage: Any Voltage between 5 V dc and 24 V dc

Operating temperature: -40°C to 85°C

NOMENCLATURE:

SRB	-	S	-	<u>1</u>	12	D	<u>M</u>	Blank	-	F	-	XX
I		II		III	IV	V	VI	VII		VIII		IX

I. Basic Model

II. Protective Construction

S: Sealed type
SH: Sealed type washable

III. Number of Pole

1: 1 pole

IV. Coil Voltage

Any voltage between 5 V dc and 24 V dc.

V. Coil Sensitivity

D: 0.2 W
H: 0.36 W

VI. Contact Form

M: 1 form A

VII. Contact material

Blank: AgSnO₂

VIII. Insulation System

B: Class 130(B)
F: Class 155(F)
Blank: Standard Type, Class 105(A)

IX. Special Code

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

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

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

USR indicates investigation to the Standard for Industrial Control Equipment, UL 508, 17th Edition, revision dated September 19, 2008.

CNR indicates investigation to the Standard for Industrial Control Equipment, CAN/CSA C22.2 No. 14-05, 10th Edition, revision dated April 2008.

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 September 19, 2008, which would cover the component itself, if, submitted for unrestricted Listing.

CONDITIONS OF ACCEPTABILITY -

1. These devices should be mounted in the intended manner with a mounting means having adequate strength, thickness and acceptable spacing.
2. Spacing from the exposed live metal parts to the end use enclosure walls shall be in accordance with the requirements of the overall equipment.
3. The relays are intended for factory wiring only and suitability of termination should be determined in the end use.
4. This device is suitable to be used in an ambient temperature of maximum 85°C.
5. The Dust Cover has not been evaluated as insulating barrier and should be considered in the end-use application with regards to spacing requirements to uninsulated live parts.
6. This device is suitable to be used with conductor rated at maximum 98°C, connected to the contact terminals.