File E82292
Project 4787302471

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REPORT

ON

COMPONENT - INDUSTRIAL CONTROL EQUIPMENT,
INDUSTRIAL CONTROL SWITCHES

Tyco electronics (Shenzhen) co. Ltd
Shenzhen Guangdong, China

DESCRIPTION:

PRODUCT COVERED:

USR/CNR - Component - Switches, Industrial Control, Model T77 followed by S or V, followed by 1, followed by D3, D5 or D10, followed by any two digits 03 thru 48, may be followed by up to five letters and/or numbers.

GENERAL:

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

RATINGS: (Refer to Sec. 35 of UL 508)

T77 Contact –

Type D5
5 A, 250 V ac, 30 V dc resistive 100,000 ops
5A, 250 V ac, resistive 60,000 ops at 85°C
1/6 hp, 240 V ac, 100,000 ops
1/10 hp, 120 V ac, 100,000 ops
10 LRA/1.5 FLA, 120 V ac, 100,000 ops

Type D3
3 A, 250 V ac, 30 V dc resistive 100,000 ops
3 A, 250 V ac, general use, 100,000 ops
3 A, 277 V ac, resistive, 6,000 ops
3 LRA/1.5 FLA, 120 V ac, 100,000 ops @ 70°C
10 LRA/1.5 FLA, 120 V ac, 30,000 ops @ 85°C, non-vented
5.4 LRA/0.9 FLA, 240 V ac, 30,000 ops @ 85°C
3 A, 120 V ac, Resistive, 100,000 ops @ 105°C, non-vented
2 A, 120 V ac, General Purpose, 100,000 ops @ 105°C, non-vented
3 A, carry-only @ 105°C

Type D10
10 A, 250 V ac, 30 V dc, resistive 100,000 ops
10 A, 250 V ac, general use, 100,000 ops
10 LRA/1.5 FLA, 120 V ac, 30,000 ops @ 85°C
5.4 LRA/0.9 FLA, 240 V ac, 30,000 ops @ 85°C, non-vented
8 A, carry-only @ 85°C
8.5 A, 120 Vac, General Use, 100,000 ops @ 85C.
2 A, 120 V ac, Pilot Duty, 30,000 ops @ 70°C
3 LRA/1.5 FLA, 120 V ac, 100,000 ops @ 70°C
7.5A, 240 V ac, resistive 100,000 ops @ 105°C
Normal 1.0 A/Inrush 10 A, 125 Vac, Pilot Duty, 100,000 ops@85 °C
18 LRA / 3 FLA, 240 Vac, 100,000 ops @ 85 °C
4 A, 240 Vac, General Use, 100,000 ops @ 85 °C
*10 A, 250 V ac, resistive, 50,000 ops @ 85 °C (For Type V)
*10 A, 250 V ac, resistive, 30,000 ops @ 85 °C
10 A, 277 V ac, General Use, 10,000 ops @ 85 °C (For welding type contact only)
1.4A, 120Vac, Tungsten, 6,000 ops @105 °C (For Type V)

NOMENCLATURE:

The significance of the alphanumeric marking system is explained as follows:

T77	S	1	D	5	-	12	-	A	WG	#####
I	II	III	IV	V		VI		VII	VIII	IX

I. Basic Designation

T77 - Standard

II. Sealing Construction

V: Flow Solder Type
S: Fully Sealed Type, non-vented

III. Number of Poles

1 – 1 N.O. contact

IV. Coil version

D: DC coil

V. Contact Rating

3 - 3A type
5 - 5A type
10 - 10A type

VI. Normal coil voltage

03 through 48

VII. Insulation System Designation
Blank or A – Coil Class 155 (F) System

VIII. Special Types

Blank - standard

WG - for domestic appliances
R - Reflow type (Only LCP material can be used for cover and base)

IX. Additional numbers and/or letters.

May be followed by up to numbers and/or letters which do not represent electrical changes. These denote specific customers, requirements and/or electrical testing.