DESCRIPTION

PRODUCT COVERED:

* Component Type T92, followed by P or S, followed by 7 or 11, followed by A, D, or *F followed by 1, followed by 2 or 9, followed by up to three numbers, may be followed by VAC or VDC, may be followed by up to four numbers and/or letters.

Type T92, followed by 4000 through 4999, may be followed by a "-" and one or two numbers, may be followed by up to four numbers and/or letters.

RATINGS:

Electrical - These ratings apply to silver-cadmium-oxide contacts (Suffix 2).

		Contact Rating		Number
Maximum, V	Load	NO	NC	Operations
28 V dc	Resistive	20 A	3 A	100,000
120 V ac	Motor	1 hp		100,000
	Motor		1/8 hp	100,000
	Pilot Duty	880 VA	180 VA	100,000
	Tungsten	10 A		25,000
	TV	TV-10		25,000
	LRA/FLA	50.2 A/16 A	-	30,000
	LRA/FLA	5 A/5 A	5 A/5 A	100,000(+=)
240 V ac	Motor	3 hp	1/3 hp	1,000
	LRA/FLA	110 A/25.3 A	22.8 A/7.6 A	100,000
	Pilot duty	1760 VA	360 VA	100,000
	Motor	2.5 hp	-	30,000(+++++)
277 V ac	General Purpose	30 A	3 A	100,000
	Resistive	30 A	3 A	250,000(+)
		30 A	3 A	100,000(++)
		25 A	2 A	250,000(++)
		41 A	-	(++++)
	Motor	2.5 hp	-	30,000(+++++)
480 V ac	Motor	1-1/2 hp		100,000
	General Purpose		2 A	100,000
600 V ac	Motor	1-1/2 hp		100,000(+++)
	Definite Purpose	26 LRA/8 FLA		100,000(+++)
	General Purpose		1 A	100,000(+++)
	Resistive	10 A	1 A	250,000

(Footnotes on Next Page)

(+) - Relays with DC Coils.
(++) - Relays with AC Coils.
(+++) - 2 Poles Breaking.
(++++) - Carry Load (non-switching) - Two poles simultaneously at 55°C ambient temperature
(+++++) - 2 Poles Making and Breaking
(+=) - At 85°C Ambient Temperature

These ratings apply to special silver-cadmium-oxide contacts (Suffix 9).

		Contact Rating		Number of
Maximum Voltage	Load	(NO)	(NC)	Operations
28 V dc	Resistive	20 A	3 A	50,000
120 V ac	Tungsten	6 A	-	25,000
	Motor	1/2 hp	-	100,000
240 V ac	LRA/FLA	60 A/15 A	22.8 A/7.6 A	100,000
	Motor	1 hp	1/3 hp	1,000
	General Purpose	25 A	3 A	100,000
	Resistive	25 A	3 A	100,000
277 V ac	General Purpose	25 A	3 A	100,000

SPECIAL RATINGS:

Electrical -

Type	Rating
T92-4000, T92-4001, T92-4002 and T92-4003	277 V ac, 41 A carry load (non-switching) at 55°C maximum ambient temperature (++++)

Coil Voltage -

5 through 120 V dc maximum, Class 155(F) insulation.
6 through 277 V ac maximum, Class 155(F) insulation.

Ambient Temperature -

Coil (AC/DC)	Minimum Wire/PWB Temperature, °C	*Termination (Printed Wiring)	Maximum Contact Current, A	Allowable Ambient Temperature, °C
		*		
DC	130	PWB	25	85
DC	130	PWB	30	70
DC	135	PWB	30	85
AC	120	PWB	30	65

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

These devices are enclosed type double pole, single throw normally open or double pole double throw, magnetically operated relays. They are intended for use in vending machines, office equipment, data processing equipment, industrial control equipment, HVAC equipment, and other applications where the suitability of the combination has been determined by Underwriters Laboratories Inc.

Conditions of Acceptability -

1. These devices should be used within their Recognized ratings as specified above.

2. These devices are to be installed in a suitable ultimate enclosure with proper spacings being maintained.

3. Devices with mounting Code 1 are intended to be mounted to printed wiring boards.

* 4. Factory wired only (terminations not suitable for field wiring.

D E S C R I P T I O N

PRODUCT COVERED:

Type T92, followed by P or S, followed by 7 or 11, followed *by A, D or F followed by 2, 3, or 4, followed by 2, or 9, followed by up to three numbers, may be followed by V AC or V DC, may be followed by up to four numbers and/or letters.

RATINGS:

Electrical - These ratings apply to silver-cadmium oxide contacts (Suffix 2).

Maximum, V	Load	NO	NC	Number Operations
28 V dc	Resistive	20 A	3 A	100,000
120 V ac	Motor	1 hp		100,000
	Motor		1/8 hp	100,000
	Pilot Duty	880 VA	180 VA	100,000
	Tungsten	10 A		25,000
	TV	TV-10		25,000
	LRA/FLA	50.2 A/ 16 A	-	30,000
	LRA/FLA	5 A/5 A	5 A/5 A	100,000 (+=)
240 V ac	Motor	3 hp	1/3 hp	1,000
	LRA/FLA	110 A/25.3 A	22.8 A/7.6 A	100,000
	Pilot duty	1760 VA	360 VA	100,000
	Motor	2.5 hp	-	30,000 (+++++)
277 V ac	General Purpose	30 A	3 A	100,000
	Resistive	30 A	3 A	250,000 (+)
		30 A	3 A	100,000 (++)
		25 A	2 A	250,000 (++)
	Motor	2.5 hp	-	30,000 (+++++)
480 V ac	Motor	1-1/2 hp		100,000
	General Purpose		2 A	100,000
600 V ac	Motor	1-1/2 hp		100,000 (+++)
	Definite Purpose	26 LRA/8 FLA		100,000 (+++)
	General Purpose		1 A	100,000 (+++)
	Resistive	10 A	1 A	250,000

(Footnotes on next page)

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\+ - Relays with DC coils
++ - Relays with AC coils
+++ - 2 poles breaking
++++ - Carry load (non-switching) - Two poles simultaneously at 55°C ambient temperature
+++++ - 2 poles making and breaking
+= - At 85°C ambient temperature

These ratings apply to special silver-cadmium-oxide contacts (Suffix 9).

Maximum Voltage	Load	Contact Rating (NO)	Contact Rating (NC)	Number of Operations
28 V dc	Resistive	20 A	3 A	50,000
120 V ac	Tungsten	6 A	-	25,000
	Motor	1/2 hp	-	100,000
240 V ac	LRA/FLA	60 A/15 A	22.8 A/7.6 A	100,000
	Motor	1 hp	1/3 hp	1,000
	General Purpose	25 A	3 A	100,000
	Resistive	25 A	3 A	100,000
277 V ac	General Purpose	25 A	3 A	100,000

Coil Voltage -

5 through 120 V dc maximum, Class F insulation.
6 through 277 V ac maximum, Class F insulation.

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

* These devices are enclosed type double pole, single throw normally open or double pole double throw, magnetically operated relays. They are intended for use in vending machines, office equipment, data processing equipment, industrial control equipment, HVAC equipment, and other applications where the suitability of the combination has been determined by Underwriters Laboratories Inc.

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CONSTRUCTION DETAILS:

The product shall be constructed in accordance with the following description.

Spacings - All spacings have been verified per UL 508, Table 48.1, Column A and Tables III, IIIA, and V of UL 1950.

Tolerances - Unless specified otherwise, all indicated dimensions are nominal.

Corrosion Protection - All parts are of corrosion resistant material or are plated or painted as corrosion protection.

*Marking - Ink-stamped permanently to the housing, designated: Company's name, catalog number, and electrical rating.

*Field wiring terminals are marked with the temperature rating (60/75°C) of the intended field installed conductors and "Use Copper Conductors only" or equivalent. The device is marked to indicate proper wiring connections. All relays rated 3 hp are marked "5 kA RMS SYM 240 V ac short circuit when protected by Class K5 Fuses" or equivalent.