



Certification Record

CUSTOMER	CLASS	FILE
Schneider Electric USA, Inc. 1300 South Wolf Rd, Des Plaines IL 60018 USA	3211-07 INDUSTRIAL CONTROL EQUIPMENT-Miscellaneous Apparatus	040787_0_000
Refer to Class Description for program details		

MODELS 6 and W6 HAVE BEEN INVESTIGATED TO

CSA STD. C22.2 No. CAN\CSA C22.2 No. 14-05 -(Update 3, April 2008)-Industrial Control Equipment

Solid State Relay, model W6 or 6, followed by 1,2,4 or 6, followed by 02, 10, 25, 40, 50, 75, 90 or 125, followed by A or D, followed by SX, DX, or TX, followed by 1 through 999.

Rated as follows:

6(ASX)/(DSX) SPST-NO,NC Input Voltage 90-280V ac (ASX), 3 to 32V dc (DSX), Output – 10 to 125A, 40 to 280, 40 to 480, 40 to 660 V ac;

6(DDX) SPST – NO Input Voltage 3.5-32V dc Output – 10-40A, 3-200V dc;

6(DTX) SPST-NO, NC, DPST-NO, Input Voltage 3-32V ac, 3.5 to 32V dc, Output – 10 – 40A , 24 to 280V ac, 40 to 480V ac

The ASX suffix models rated 120/240V at 2, 10 and 25A are also suitable for tungsten loads

The DTX suffix models rated 240/480V at 10A also suitable for tungsten loads.

Alternate Nomenclature:

Solid State Relay (AC switching), Model 6, followed by 1,2,4 or 6, followed by 02, 10, 25, 40, 50, 75, 90 or 125, followed by AXX (SPST NO, single channel output), XXA (SPST NC, single channel output), or BXX (DPST NO, only for SCR, Triac, and Alternistor Triac construction. Dual Channel Output), followed by S or T followed by R, Z, ZR, followed by B or S, followed by AC90, AC18, DC3, DC4 or DC20.

Ratings:

Switching type AC: SCR, Triac, Alternistor Triac

Input Voltage: 18 – 280 VAC; 3-50VDC

Output: Voltage; 120 – 600 VAC; Current; 2 – 125 Amperes.

Contacts: SPST NO or NC

Solid State Relay (DC switching), model 6, followed by 1 or 3, followed by 12, 25, 40, followed by AXX (SPST NO, single channel output),

XXA (SPST NC, single channel output), M, followed by D, followed by B or S, followed by DC3, or DC4.

Ratings:

Switching type DC: MOSFET

Input Voltage: 3 – 32 VDC.

Output: Voltage; 3-200Vdc; Current; 12 – 40 Amperes.

Contacts: SPST NO or NC

Switching type “S” models rated 120/240V at 2, 10, and 25A are also suitable for tungsten loads.

Switching type “T” models rated 240/480V at 10A are also suitable for tungsten loads.

Dual Channel models are rated per output up to the maximum rated current.

Some models suitable for 80°C ambient with derating. See report for ratings and conditions.

Note:

Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International.

- Solid state relays, open type, Part No 70S2 Series (with suffixes), ratings as follows: 24 to 240V ac max, 2.5 to 15A max (output); 3 to 30V dc max (input).
- Solid state relays, open type, Series 70S2, Part Nos 70YY14208, 70YY14209, 70YY14244-X, 70YY14245-X and 70YY14279, output 25A max at 120V ac and 240V ac, Part No 70YY14243 rated output 6A, 240V ac; input for all Series, 3 to 30V dc.
- Solid state relays, open type, Part No 70YY14260, rated 3.5A, 240V ac; input 3 to 30V dc.
- Solid state relay, open type, Part No 70YY14260-2, rated 3.5A, 280V ac; input 3.5 to 10V dc.
- Solid state relays, open type, Part No 70YY Series (with suffixes), ratings as follows:

Input Control Volts (dc)	Output Volts (ac)	Output (Load) Current Rating and Part Number				
		6A	10A	15A		
2.5A	4A	6A	10A	15A		
3-30	140	-	-	14042	14025	-
3-30	240	14082	-	-	-	-
3-30	140	-	-	-	-	14044
11-36	240	-	14084	-	-	-
3-30	140	-	14083	14040	14043	14050
3-30	240	-	-	-	14039	-
3-30	140	-	-	14048	14049	14078
3-30	140	- Output 3.0A	-	14054	-	-

- Solid state relay, open type, with external heatsink, Part No 70YY15055, max rating as follows, 5V dc (input); 140V ac, 6A (output). - Solid state relays, open type with dust cover, 70YY Series (with suffixes), ratings as follows: Suffix "15066" output - 25A, 120V ac, input - 5V dc; Suffix "15067" output - 30A, 120V ac, input - 20V dc; Suffix "15068" output - 15A, 240V ac, input - 20V dc; Suffix "15069" output - 15A, 3/4 hp, 240V ac, input - 5V dc.
- Solid state relay, open type, Part No 70YY14226, ratings: output 3A, 240V ac, input 3-10V dc.
- Solid state relay, Type 70YY14254, open type with dust cover, potted, rated: 25A (gen), 480V ac; input: 3-15V dc.
- Solid state relays, open type, Part Nos 70YY18000 Series through 70YY18038. Max ratings; input 32V dc, 280V ac, output 3.5A, 280V ac or 60V dc.
- Solid state relay, open type, Part No 70YY18078, input 15-30V dc, output 3.5A, 280V ac max.
- Solid state relays, open type, Part Nos 70YY18018, 70YY18019, 70YY18020, 70YY18023,

70YY18024 and 70YY18025, max ratings: input 32V dc, 32V ac, output 3.5A, 200V dc, 240V ac.

- Solid state relay, open type, Cat No 70YY14291; output 1.0A, 200V dc. Input 2.5 to 9V dc.
- Solid state relay, open type, Cat No 70YY14284, output 3.5A (40C) 60V dc. Input 18-30V dc.
- Solid state relays, open type, Part No 70YY14286, output 6A, 240V ac max, input 3 to 30V dc; Part No 70YY14287, output 12A, 240V ac max, input 3 to 30V dc.
- Solid state relay, open type, Cat No 70YY14283; output 4A (25C), 3.5A (40C), 240V ac. Input 18-30V dc.
- Solid state relays, open type, Series 70YY (with suffixes) ratings as follows:

Cat No	Input Control Voltage	Output Voltage	Output (Load) Current
70YY20010	120V ac	24V dc	0.1A
70YY20011	24V dc	24V dc	0.1A
70YY20012	240V ac	24V dc	0.1A
70YY20016	48V dc	24V dc	0.1A
70YY20017	120V ac	24V dc	0.1A
70YY20017	24V dc	24V dc	50mA
70YY20050	120-140V ac	24V dc	0.1A
70YY20051	20-30V dc	24V dc	0.1A
70YY20052	240V ac	24V dc	0.1A
70YY21000	5V dc	120V ac	3.0A
70YY21001	15V dc	120V ac	3.0A
70YY21002	24V dc	120V ac	3.0A
70YY21003	5V dc	240V ac	3.0A
70YY21004	15V dc	240V ac	3.0A
70YY21005	24V dc	240V ac	3.0A
70YY21006	5V dc	60V dc	3.0A
70YY21007	15V dc	60V dc	3.0A
70YY21008	24V dc	60V dc	3.0A
70YY21009	120V ac	5V dc	50mA
70YY21010	120V ac	15V dc	50mA
70YY21011	120V ac	24V dc	50mA
70YY21012	240V ac	5V dc	50mA
70YY21013	240V ac	15V dc	50mA
70YY21014	240V ac	24V dc	50mA
70YY21015	24V dc	5V dc	50mA
70YY21016	24V dc	15V dc	50mA
70YY21019	5V dc	200V dc	1.0A
70YY21021	5V dc	240V ac	3.0A
70YY21035	15 to 36V dc	5V dc	50mA
70YY23166	18-32V dc	200V dc	1.0A
70YY23169	18-32V dc	60V dc	3.0A

- Input/output module mounting racks, open type, Part Nos 70YY19040, 70YY19026, 70YY19041, 70YY19042, for use with Cat Nos 70YY21000 through 70YY21017 solid state relays and Part Nos 70YY18000 through 70YY18037 input/output modules.
- Relay, PCB mounting type, Type 78X, open type with dust cover, with suffixes, 3 or 4-pole double thread NO and NC contacts, coil 6-110V dc; 6-240V ac, contact rating as follows: with suffixes C;

10A, 150V ac, 6.6A, 250V ac, 10A, 28V dc; with suffixes D; 7.5A, 150V ac, 5A, 250V ac, 10A, 28V dc, evaluated for use in 60C ambient.

- Relays, open type with sealed dust cover, Series 782 with optional prefix "W" and suffixes, 4-pole, double-throw, rating as follows:

Contact Rating	Electrical Rating	No of Operations
1A	1A (res), 120/240Vac, 50/60Hz, 1A, 30V dc.	100,000
3A	3A (res), 120/240Vac, 50/60Hz, 3A, 30V dc.	100,000
5A	5A (res), 120/240Vac, 50/60Hz, 5A, 30V dc.	100,000

Coil - 6 through 240V.

Notes:

1. Suffix letters and/or numbers added to the part designation indicate variations in construction and electrical ratings.
2. Part Number 70YY14078 may also be rated 3.3 FLA, 29.0 LRA, 120V ac.
3. Open type relays are Certified, as components, for use only in other Certified equipment where the suitability of the combination is determined by the CSA International.
4. Solid state relay, Part No 70YY15055, 70YY15068 and 70YY15069 are to be mounted to an external heatsink (i.e. aluminum plate) having dimensions 10 in by 10 in by 1/8 in min (2C/W).
5. Part No 70YY15055 relay is Certified for use in equipment where the short circuit capacity of the circuit in which it is connected is limited by fuses having ratings not exceeding that of the relay.
6. Solid state relays 70S2 Series, 70YY Series in L, M, N and S packages (Mini Puck), 70YY14254, 70YY14286 and 70YY14287 are to be mounted to an external heatsink (i.e. aluminum plate) having dimension 12 in by 12 in by 1/8 in min or any equivalent heatsink rated 1C/W.
7. Solid state relays, Part Nos 70YY15066 and 70YY15067 are to be mounted to an external heatsink (i.e., aluminum plate) having dimensions 20 in by 20 in by 1/8 in or equivalent rated 0.9 C/W.
8. Solid state relays, Part Nos 70YY15066, 70YY15067, 70YY15068 and 70YY15069 are Certified for use only with wire rated 75C or more.
9. Relays, open type, Series 782 with optional prefix "W", additional tests available, refer to TEST RESULTS section of the Report.

- Solid state relays, open type, 70S2 Series (with suffixes), ratings as follows:

Series	Part No	Input Control V dc	Output (Load)		Current Rating A
			Output V ac		
70S2-04-B-03V	70YY 14 182	3-32	140		3 (resistive)
70S2-05-B-03V	70YY 14 183	6-32	140		3 (resistive)
70S2-04-C-03V	70YY 14 184	3-32	240		3 (resistive)
70S2-05-C-03V	70YY 14 185	6-32	240		3 (resistive)
70S2-04-D-03V	70YY 14 186	3-32	24		3 (resistive)
70S2-05-D-03V	70YY 14 187	6-32	24		3 (resistive)

- Solid state relay, open type, Part No 70YY18064, output 24V dc, 50mA max, input 24V dc.
- Solid state relay, open type, fully encapsulated, input 3.5 to 10V dc, output 12A, 280V ac max, Part No 70YY14287-2 (to be mounted to an external aluminum heatsink having dimensions 12 in by 12 in by 1/8 in min or any equivalent heatsink rated 1C/W).
- Solid state relays, open type, fully encapsulated, "G" Family Series I/O modules, ratings as follows:

Cat No	Input	Output
70YY23090	18-32V dc	3.5A, 280V ac
70YY23021		
70YY23091	24V dc	100V dc/100V ac, 10W
70YY25000	18-32V dc	5A(res),30V dc/250V ac
70YY23084	15-30V dc	25mA, 15-30V dc
70YY23087	17.5-30V dc	1A, 60V dc
70YY23086	90-140V ac	50mA, 15-30V dc
70YY25006	20-30V dc	5A(res),125V ac/250V ac (switching cap.)
70YY25007	20-30V dc	2A(res),220V ac/250V ac (switching cap.)
70YY25008	18-28V dc	5A,250V dc/220V ac (switching cap.)
70YY25009	18-28V dc	5A,250V dc/220V ac (switching cap.)
70YY25010	18-28V dc	5A,250V dc/220V ac (switching cap.)
70YY25011	18-28V dc	5A,250V dc/220V ac (switching cap.)

- Solid state relays, open type, fully encapsulated:

Cat No	Control Voltage	Output Rating
70S2-03-B-25-S	3 to 30V dc	25A, 120V ac
70S2-03-C-25-S	3 to 30V dc	25A, 240V ac
70S2-01-A-05-N	3 to 15V dc	5A, 60V dc
70S2-01-A-05-S	3 to 15V dc	5A, 60V dc
70S2-02-A-05-S	9 to 30V dc	5A, 60V dc

(25A rating devices are to be mounted to an external heatsink, i.e. aluminum plate, having dimensions 12 in by 12 in by 1/8 in thick or any equivalent heatsink rated 1C/W.

- Solid state relay, open type, fully encapsulated:

Part No	Input	Output	Output Current
70YY18116	2.5 - 9V dc	200V dc	1.0A
70YY18119	2.5 - 9V dc	240V ac	3.5A
70YY18120	5V dc	60V dc	3.5A
70YY23067	4 - 10V dc	60V dc	3.5A
70YY23068	5V dc	240V ac	3.5A
70YY23069	5V dc	200V dc	1.0A
70YY23070	4 - 10V dc	100V dc/130V ac max	10VA max
70YY23071	3 - 32V dc	50V dc	50mA
70YY23072	90 - 140V ac	50V dc	50mA
70YY18124	12-60V dc	50V dc	50mA
70YY18181	90-140V ac	50V dc	50mA

- Input/output (I/O) module mounting racks, open type. Part No 70YY22022 and 70YY22027, rated input 240V ac, 30V dc max, output 3.5A max per module, 240V ac, 60V dc max; Part Nos 70YY24034 and 70YY24023, rated input 24V ac max, output 3.5A max per module, 240V ac, 60V ac max.

Note: Mounting rack Part Nos 70YY24034 and 70YY24023 when loaded with modules all set as outputs current limiting or external cooling is required to keep junction temperature within individual modules at 100C max for ac modules and 115C max for dc modules.

- Input/output dc module, open type, Part No 70YY18156, 70YY18157, 70YY23118, 70YY23125, 70YY23126, 70YY23127, 70YY23129, 70YY23131, 70YY23137, 70YY23138, input 32V dc max; output 0.75A, 24V dc max.; Part No 70YY23212 input 20-65V dc, output 50mA, 24V dc; Part No 70YY23213 input contact closure (13.0mA), output 50mA, 24V dc.
- Solid state input/output modules, open type, Part Nos 70YY18125 and 70YY23192, input rated 15-32V dc; output rated 150V dc, 2A max.
- Solid state relays, Series SSR, open type, with suffixes, with integral heatsink, ratings as follows:

Models	Input Control Voltage	Output Voltage	Current
SSR210DIN-AC	90-280V ac	24-280V ac	10A
SSR225DIN-AC	90-280V ac	24-280V ac	25A
SSR610DIN-AC	90-280V ac	48-660V ac	10A
SSR625DIN-AC	90-280V ac	48-660V ac	25A
SSR610DIN-DC	3-32V dc	24-280V ac	10A
SSR225DIN-DC	3-32V dc	24-280V ac	25A
SSR610DIN-DC	3-32V dc	48-660V ac	10A
SSR625DIN-DC	3-32V dc	48-660V ac	25A

- Relays, open type, Series 783XCX with optional prefix "W" and suffixes, 3-pole, form C contact, rating per contact and Series 784XDX, 4-pole, form C contact, as follows:

A, hp or Code	V	Type	No. of Endurance Operations
15A, 1 ph	120V ac	Resistive	200,000
12A, 1 ph	277V ac	Resistive	200,000
12A, 1 ph	28V dc	Resistive	200,000
3/4 hp, 1 ph	250V ac	Motor	6,000
1/2 hp, 1 ph +	120V ac	Motor	6,000

Coil 6 through 240V.

Additional Ratings: B150, B300

Notes:

1. For Models 783XCX and 784XDX. The total load (general Use) at one time, max 30A at 120V ac or max 20A at 277V ac.
 - Relay sockets, open type, Cat Nos 70-782D-1, 70-782D8-1 alternate RPZF2, 70-783D-1, 70-783D11-1 alternate RPZF3, 70-750D8-1, 70-750DL8-1 rated at 300V 16A per pole; at 600V Limited rating 5A per pole, 10A multipole.
 - Relay sockets, open type, Cat Nos 70-784D-1, 70-784D14-1 alternate RPZF4, 70-750D11-1, 70-750DL11-1, 70-782D14-1 alternate RXZE2M114, 70-782E14-1 alternate RXZE2M114M, 70-782EL11-

1 alternate RXZE2S111M, and 70-782EL14-1 alternate RXZE2S114M rated at 300V Limited rating 10A per pole, 20A multipole.

- Relay sockets, open type, Cat Nos 70-750E8-1 alternate RUZC2M and 70-750E11-1 alternate RUZC3M rated at 150V 12A per pole; 151-300V Limited rating 10A per pole, 20A multipole.
- Relay sockets, open type, Cat No. 70-750EL8-1 alternate RUZSC2M, 70-750EL11-1 alternate RUZSC3M, and 70-782EL8-1 alternate RXZE2S108M rated at 300V ac 12A per pole
- Relay socket, open type, Cat No. 70-788EL11-1 alternate RUZSF3M rated at 300V ac 25A per pole.
- Relay sockets, open type, Cat No. 70, followed by 7, followed by 25, may be followed by -1 through 999 rated 30A per pole 300 Vac.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by CSA International.

- Relays, open type, Series 782-XBX and 782-XDX with optional prefix "W" and suffixes, rating per contact as follows:

MODEL	CONTACT RATING	REMARKS
782 XDXT1 782XBXT1 782XDXT3 782XBXT3 782XCX1 782XCX3	3A, 120/240V AC; 3A, 30V DC	CONTACT CONFIGURATION: 2PDT FOR SUFFIX "B", 4PDT FOR SUFFIX "D", COIL VOLTAGE: 6-240VAC, 6-110V DC SUFFIX "3" REPRESENTS BIFURCATED CONTACTS
782XBXT2 782XDXT2 782XCX2	10A, 120V AC Res.8A, 277V AC Res. 8A 28V DC;1/2 HP 277 V AC 1/3 HP 120V AC;B150, B300	CONTACT CONFIGURATION: 2PDT FOR SUFFIX "B", 4PDT FOR SUFFIX "D" COIL VOLTAGE: 6-240VAC, 6-110V DC Total max. load at one time 30A at 120V Total max. load at one time 20A at 277V and 1440VA
782XBXT	15A, 120V Res.;10A 277V Res. 12A 28V DC res.;1 HP 250V AC 1/2 HP 120V AC;B150, B300	CONTACT CONFIGURATION: 2PDT FOR SUFFIX "B" COIL VOLTAGE: 6-240VAC, 6-110V DC
782XAX	20A, 120V ac, Resistive 20A, 277V ac, Resistive 20A, 28V ac, Resistive 1hp, 250V ac B150, B300	

Notes: 1) A "T" after X in the above represents terminal type ("none" for solder/plug in type; "T" for pcb type).

2) The Model numbers may be prefixed by W and suffixed by other characters.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by CSA International.

- Protection module, series 70XSM, rated 240V ac max, 250V dc max., 1 phase, 60 hz.

Notes:

1. These devices are open type, auxiliary device modules intended to be used with manufacturer's series 70-

XXX-(any number) sockets.

2. X is letter A or B designates package size.

- Relays, open type with dust cover, Series 78, with suffixes, SPST or SPDT, ratings as follows:

- with Silver Cadmium Oxide contacts:

10A, 120V ac or 240V ac Gen. Purpose; 15A, 28V dc; 15A 120V ac and 10A, 220-277V ac Resistive; 1/2 hp, 120V ac; 1hp, 250V ac; Pilot duty – B300; coil voltage max . 240V ac. Max. 125V dc; Maximum ambient 60 degree C.

- with Silver Tin Oxide contacts: 20A, 28V dc, resistive, 20A, 120/277V ac, resistive, 1/2hp, 120V ac.

Coil voltage: max 240V ac, max 125V dc.

Note: Open type relays are certified as components for use only in other Certified equipment where suitability of the combination is to be determined by the CSA International.

Relay, Model RPM, with optional suffixes, open type, magnetically operated, one, two, three or four pole, double or single throw, with normally open and normally closed contacts. Coil voltage 24-240V ac or 12-220V dc, contacts rated NO/NC - 15A resistive, 240-277V ac, 100,000 endurance operations.

Relay, model RXM, with optional suffixes, open type, magnetically operated, two, three or four pole double-throw relays, with normally open and normally closed contacts. Coil voltage 24-240V ac or 12-220V dc, contacts rated RXM2 - 12A resistive, 240-277V ac; RXM3 - 10A resistive, 240-277V ac; RXM4 - 6A resistive, 240-277V ac, 3A resistive, 120/240V ac, 3A, 30V dc.

Relay, model RUMC, with optional suffixes, enclosed type, magnetically operated, double pole, double throw or three pole double throw, with normally open and normally closed contacts. Coil voltage 24-240V ac or 12-220V dc, contacts rated RUMC2,3 - 10A resistive, 240-277V ac, 100,000 endurance operations, 16A resistive, 240V ac; RUM2G, 3G - 3A resistive, 240-277V ac, 100,000 endurance operations; max ambient temperature 50°C for ac coils, 65°C for dc coils.

Relay, model RUMF, with optional suffixes, enclosed type, magnetically operated, double pole, double throw or three pole double throw, with normally open and normally closed contacts. Coil voltage 24-240V ac or 12-220V dc, contacts rated 10A resistive, 240-277V ac, 100,000 endurance operations, 16A resistive, 240V ac; max ambient temperature 50°C for ac coils, 65°C for dc coils.

Notes:

1. Open type devices are certified as components for use only in other certified equipment where the suitability of the combination is to be determined by CSA International.
2. The wiring terminals are not suitable for field wiring. The wiring terminals are to be factory wired only and the suitability of the connection shall be determined.

All ac coils rated 50/60Hz.

Alternating relay with manual lockout, model series 712, SPDT and DPDT. Coil rated 12-120V ac/dc, 240V ac; contacts rated 12A resistive, 120/240V ac, 50/60Hz, NO 100,000, NC 10,000 endurance operations; 12A general purpose, 30V dc, NO/NC 100,000 endurance operations; 1/3 hp 120V ac, 50/60Hz, NO 100,000, NC 45,000 endurance operations; 1/2hp 240V ac, 50/60Hz, NO/NC 100,000 endurance operations; B300 240V ac, 50/60 Hz.;

Total load controlled 30A max at 120V, 20A max at 240V.

Note:

1. Open type devices are certified as components for use only in other certified equipment where the suitability of the combination is to be determined by CSA International.
2. Terminals provided are suitable for factory wiring only or are intended to be inserted into a female matching certified socket.

Model number followed by suffixes to indicate construction variations.

Magnetic Motor Controllers, Type 92 with or without a W prefix, followed by S, followed by 7 or 11, followed by A or D, followed by 12, 22 or 22D, may be followed by up to three numbers or blank, may be followed by up to four numbers.

Cat. No. RPF followed by 2, followed by A or B, followed by B, E, F, J, or P, followed by D OR 7.

RATINGS:

Maximum, V	Load	Contact Rating		Number of Operations
		Normally Open	Normally Closed	
28 V dc	Resistive	20 A	3 A	100,000
120 V ac 50/60 Hz	Motor	1 hp	-	1,000
	Tungsten	10 A	-	25,000
	TV	TV-10	-	25,000
240 V ac 50/60 Hz	Motor	3 hp	-	1,000
	LRA/FLA	110 A/25.3 A	-	30,000(+)
	LRA/FLA	96 A/22 A	-	30,000(++)
	Pilot duty	720 VA	-	6,000
277 V ac 50/60 Hz	Resistive	30 A	3 A	6,000
240Vac	Resistive	30 A AgSnO contacts	3 A AgSnO contacts	10,000

For 92 models with suffix 22D and all RPF models:

240 Vac	Resistive	*30 A	*3 A	10,000
277 Vac	Resistive	30 A	3 A	100,000

(+) - Relays with DC Coils.

(++) - Relays with AC Coils.

Coil Voltage -

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

6 through 240 V ac maximum, Class 155(F) insulation.

Maximum Ambient Temperature -

AC Coil Non-rectified - 65°C - schematic of coil printed on relay does not include rectifiers.

AC Coil rectified - 85°C (schematic of coil circuit printed on relay shows rectifiers).

DC Coil - 85°C

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.

Notes:

1. These devices shall be used within their ratings as specified above.
 2. Open type devices should be mounted in enclosures having an adequate strength and thickness in the intended manner and with acceptable spacings being provided.
 3. The Test Record should be reviewed to determine if tests need to be repeated, giving particular attention to heating tests.
 4. The quick-connect terminals are to be factory wired only and the suitability of the connection (including spacings between factory connectors) shall be determined.
 5. Relays, rated for 3 hp, are also rated for 5 kA rms, 240 V ac short circuit when protected by Class K5 fuses, rated 60 A maximum.
- Relays, Type 67, open type with dust cover, 1 to 8-pole, N.O. and/or N.C. single-and/or double throw contacts, max ratings: 5A 120/240V ac, 5A 28V dc; coil 6 to 120V ac or dc.
 - Time delay relays, Type 67CPSOX, open type with dust cover, 1- to 4-pole, NO and/or NC, single- or double-throw contacts, max ratings: 5A, 120V ac/28V dc; coils: 6, 12 and 24V dc.
 - Solid state relays, Series 226, open type, max ratings, 7A, 240V ac; input 13V dc.
 - Solid state relays, Series 230 and 231, open type, max ratings, 240V ac with Suffix E, 1.5A with suffixes D and T, 4A operating voltage 5 or 12V dc.

Notes:

1. Prefix and suffix letters or numbers are added to type designation to indicate marketing features, coil voltage, contact arrangement and special features (e.g. W67RCSX-18).
2. Types 67 and 67CPSOX relays are Certified for use only in equipment where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding the rating of the relay.
3. Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by the Canadian Standards Association.
4. All solid state relay models may be followed by one or more of the following suffixes with hyphens: 1, 2, 3 through 99.
5. The ratings for the solid state relays are based on the use of the submitters integral heatsink, Models 16-789, 16-790 and 16-793.
6. Suffix letters and numbers in designation indicate variations in construction such as number of poles, coil voltage, electrical connection and mounting arrangement.
7. The metal base of the relays is considered to be a live part in the application of the relay.
8. When applied at 120V ac, the relays are for use where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding the rating of the relay.
9. When applied at 240V ac, these relays are for use in circuits where the power is limited by a transformer, rectifier, voltage divider or similar device (overload devices and fuses are enclosed) and where the short

circuit limit between conductors and between conductors and ground is 1500VA max and where a fire hazard will not result from a short circuit.

10. Suffix letters and/or numbers are added to series designation (to form catalogue designation) to indicate terminal types, electrical rating and operating voltage mechanical variations.
11. These relays, when applied in circuit above 150V, are Certified for use in equipment where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding the rating of the relay.

Notes:

1. Suffix letters and/or numbers are added to type or series designation to indicate contact, coil and terminal types, number of poles, adjustment code, coil voltage and mechanical variations.
2. Relay Series 67 when applied in circuits above 51V are Certified for use in equipment where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding the rating of the relay.
3. Open type relays are Certified, as components, for use only in other Certified equipment where the suitability of the combination is determined by Canadian Standards Association.
4. Prefix "W" designation indicates models n.
 - Solid state relays, open type, Models 6 or W6 or WC6, followed by 102, 110, 125 and 140, followed by A or D, followed by SX or TX or SFX, 120V ac max, 30A max (incandescent), 10 FLA max (motor); Models 6 or W6 or WC6 followed by 202, 210, 225 and 240 followed by A or D, followed by SX or TX or SFX, 240V ac max, 30A max (incandescent), 10 FLA max (motor); Models 6 or W6 or WC6, followed by 408 or 412, followed by A or D, followed by SX or TX or SFX, 480V ac max, 9.0A max (incandescent)*, 5A FLA max (motor).

Notes:

1. All solid state relay models may be followed by one or more of the following suffixes with hyphens: 1, 2, 3 through 99.
2. Open type devices are certified as components for use only in other certified equipment where the suitability of the combination is determined by the Canadian Standards Association.
3. * This lamp rating is at 240V ac.
4. The ratings for the solid state relays are based on the use of the submitters integral heatsink, Models 16-789, 16-790 and 16-793.
5. Suffix letters and numbers in designation indicate variations in construction such as number of poles, coil voltage, electrical connection and mounting arrangement.
6. The metal base of the relays is considered to be a live part in the application of the relay.
7. When applied at 120V ac, the relays are for use where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding the rating of the relay.
8. When applied at 240V ac, these relays are for use in circuits where the power is limited by a transformer, rectifier, voltage divider or similar device (overload devices and fuses are enclosed) and where the short circuit limit between conductors and between conductors and ground is 1500VA max and where a fire hazard will not result from a short circuit.
9. Suffix letters and/or numbers are added to series designation (to form catalogue designation) to indicate terminal types, electrical rating and operating voltage mechanical variations.
10. These relays, when applied in circuit above 150V, are Certified for use in equipment where the short circuit capacity of the circuit in which they are connected is limited by fuses having ratings not exceeding the rating of the relay.
11. Prefix "W" designation indicates models normally stocked.
 - Solid state relays, open type, Cat. Nos. 6690AXXSZS-AC90 and 66125AXXSZS-AC90, rated input voltage 90-280 Vac; output voltage 48-660 Vac; output current 125A max.

Solid state relays, open type, Cat. Nos. 6690AXXSZS-DC3 and 66125AXXSZS-DC3, rated input voltage 3-32 Vdc; output voltage 48-660 Vac; output current 125A max.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International

- Solid state relays, open type, fully encapsulated, Cat. Nos. 6210AXXSZS-DC3, 6225AXXSZS-DC3, 6240AXXSZS-DC3, 6250AXXSZS-DC3, 6275AXXSZS-DC3, 6210AXXTZS-DC3, 6225AXXTZS-DC3, 6240AXXTZS-DC3, 6210AXXSRS-DC3, 6225AXXSRS-DC3, 6240AXXSRS-DC3, 6250AXXSRS-DC3, 6210AXXTRS-DC3, 6225AXXTRS-DC3 rated input voltage 3-32 Vdc; output voltage 240 Vac; output current 90A max.

Notes:

1. Certified only as a component of other certified equipment, where the suitability of the combination is to be determined by CSA International.
2. Sold only to manufactures for factory assembly of certified electrical equipment.
3. Rating for the above relays is based on the use of the external aluminium heatsink specified by the submittor's published literature.

- Solid state relays, open type, Cat. Nos. SSR245DIN-DC45, SSR645DIN-DC45 and SSR665DIN-DC45, rated input voltage 3-32 Vdc or 4-32 Vdc; output voltage 24-280 Vac or 48-660 Vac; output current 65A.

Solid state relays, open type, Cat. Nos. SSR245DIN-AC45, SSR645DIN-AC45 and SSR665DIN-AC45, rated input voltage 90-140 Vac; output voltage 24-280 Vac or 48-660 Vac; output current 65A.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International..

- Solid state relays, 6440AXXSZS-DC3, 6450AXXSZS-DC3, 6425AXXSZS-DC3, 6475AXXSZS-DC3, 6410AXXTZS-DC3, 6425AXXTZS-DC3, 6440AXXTZS-DC3, 6410AXXSZS-DC3, 6450AXXSRS-DC3, 6490AXXSRS-DC3, 6650AXXSRS-DC3 and 6690AXXSRS-DC3, rated input voltage 4-32 Vdc, output voltage 600 Vac, output current 90A max.

Notes:

1. Certified only as a component of other Certified equipment, where the suitability of the combination is to be determined by CSA International.
2. Sold only to manufacturers for factory assembly of Certified electrical equipment.
3. Rating for the above relays is based on the use of the external aluminum heatsink specified by the submittor's published literature.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International.

- Solid state relays, 6440AXXSZS-DC3, 6450AXXSZS-DC3, 6690AXXSZS-DC3, 6425AXXSZS-DC3, 6475AXXSZS-DC3, 6440AXXTZS-DC3, 6410AXXSZS-DC3, 6450AXXSRS-DC3, 6490AXXSRS-DC3, 6650AXXSRS-DC3 and 6690AXXSRS-DC3, rated input voltage 4-32 Vdc, output voltage 600 Vac, output current 90A max.

Notes:

1. Certified only as a component of other Certified equipment, where the suitability of the combination is to be determined by CSA International.
 2. Sold only to manufacturers for factory assembly of Certified electrical equipment.
 3. Rating for the above relays is based on the use of the external aluminum heatsink specified by the submitter's published literature.
- Solid state relays, open type, with integral heatsink, Cat. Nos. SSR210DIN-AC22, SSR220DIN-AC22, SSR620DIN-AC22, SSR610DIN-AC22, SSR230DIN-AC22, SSR210DIN-AC22R, SSR230DIN-AC22R, SSR610DIN-AC22R, SSR630DIN-AC22R and SSR630DIN-AC22, rated input voltage 90-280 Vac; output voltage 480 Vac max, 30A max.
 - Solid state relays, open type, with integral heatsink, Cat. Nos. SSR210DIN-DC22, SSR220DIN-DC22, SSR610DIN-DC22, SSR210DIN-DC22R, SSR230DIN-DC22R, SSR620DIN-DC22, SSR610DIN-DC22R, SSR630DIN-DC22R, SSR230DIN-DC22 and SSR630DIN-DC22, rated input voltage 4.5-32V dc; output voltage 480 Vac max, 30A max.

Note: Open type devices are Certified, as components, for use only in other Certified equipment where the suitability of the combination is determined by CSA International.

- Solid state relays, open type, Cat. Nos. 6225AXXSZS-AC18, 6240AXXSZS-AC18 and 6250AXXSZS-AC18, rated input voltage 18-280 Vac; output voltage 280 Vac max; output current 50A max.
- Solid state relays, open type, Cat. Nos. 6210AXXSZS-AC90, 6225AXXSZS-AC90, 6240AXXSZS-AC90, 6250AXXSZS-AC90, 6275AXXSZS-AC90, 6425AXXSZS-AC90, 6440AXXSZS-AC90, 6450AXXSZS-AC90, 6475AXXSZS-AC90, 6240AXXSRS-AC90, 6210AXXSRS-AC90, 6225AXXSRS-AC90, 6210XXASRS-AC90, 6225XXASRS-AC90, 6240XXASRS-AC90, 6250XXASRS-AC90 and 6410AXXSZS-AC90 rated input voltage 90-280 Vac; output voltage 280 Vac max; output current 75A max.
- Solid state relays, open type, Cat. Nos. 6210AXXSZS-DC3, 6210XXASRS-DC3, 6225XXASRS-DC3, 6240XXASRS-DC3, 6250XXASRS-DC3, 6240XXATRS-DC3, 6210XXATRS-DC3 and 6225XXATRS-DC3, rated input voltage 3-32 Vdc, output voltage 280 Vac max; output current 50A max.
- Solid State DC Relays, open type, Series 1-DC, Models D1D07, D1D12, D1D40 rated output 0-100 V dc, 40 A max, control voltage 3.5-32 V dc.

Notes:

1. Certified only as a component of other Certified equipment, where the suitability of the combination is to be determined by CSA International.
2. Sold only to manufacturers for factory assembly of Certified electrical equipment.
3. Rating for the above relays is based on the use of the external aluminum heatsink specified by the submitter's published literature.

Relays type 70S2 followed by 01 through 04, followed by A, B, or C, followed by 03, followed by V, may be followed by 1-9999, open type, rated 32 Vdc max, input: 2mA, 32 Vdc max, output: 3A, 3-60 Vdc and 3A, 12-280 Vac, 47-63Hz general use.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International

Relays type 70S2 followed by 02 through 09, followed by A through G, followed by 03 through 05, followed by V, may be followed by R, may be followed by 1-9999, open type, epoxy encapsulated, rated 32 Vdc max or 140Vac max, input:

2mA, 32 Vdc max; output: 480 Vac max, 1 phase, 5A max electric discharge lamp and incadascent lamp control, 480 V max, 1 phase, ½ hp max.

Note: Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is to be determined by the CSA International

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