

For Complete Product Specifications

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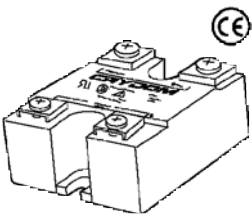
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AC Series H12

25-90 Amp; 480, 600 VAC; AC Output

- 1200 Volt Blocking
- Up to 660 VAC
- UL, CSA, VDE Approved
- FAX-ON-DEMAND — Code: 157

High voltage relays use IC driven circuits for switching loads up to 660 VAC. All models come with 1200 volts blocking standard and are available with either AC or DC input (coil) control. Types CA, CD and WD are snubberless. **Low Leakage:** 1 mA. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (Vrms):** 4000.



AC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VAC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-------|
| 682-0047  | H12CA4850   | 48-660                   | 0.15-50                   | 90-140                      | 625                         | 54.69 |
| 682-0048  | H12CA4890   | 48-660                   | 0.15-90                   | 90-140                      | 1200                        | 72.83 |

DC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-------|
| 682-4148  | H12CD4850   | 48-660                   | 0.15-50                   | 4-8                         | 625                         | 42.48 |
| 682-4151  | H12CD4890   | 48-660                   | 0.15-90                   | 4-8                         | 1200                        | 55.99 |
| 682-0051  | H12WD4850   | 48-660                   | 0.15-50                   | 4-32                        | 625                         | 53.63 |
| 682-0052  | H12WD4890   | 48-660                   | 0.15-90                   | 4-32                        | 1200                        | 71.40 |
| 682-4147  | H12D4825    | 48-530                   | 0.15-25                   | 4-32                        | 250                         | 47.09 |
| 682-2200  | H12D4850    | 48-530                   | 0.15-50                   | 4-32                        | 625                         | 58.45 |
| 682-4149  | H12D4875    | 48-530                   | 0.15-75                   | 4-32                        | 1000                        | 68.84 |
| 682-4150  | H12D4890    | 48-530                   | 0.15-90                   | 4-32                        | 1200                        | 76.08 |

AC Series CS

10-90 Amp; 120/240 VAC; AC Output

- DC Control, SCR AC Output
- Low Leakage, Zero Voltage Switching
- UL, CSA, VDE Approved
- FAX-ON-DEMAND — Code: 162

The Series CS has an SCR AC switch output featuring low off-state leakage (1 mA, snubberless), zero-voltage switching and a broadened operating range (24-280 VAC). This wide range permits optimum

performance at both 120 VAC and 240 VAC line voltages. **Operating Temperature Range:** -40°C to 80°C. **Isolation Voltage (Vrms):** 4000.

DC Control

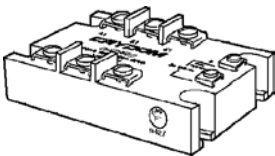
| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-------|
| 682-0053  | CS02410     | 24-280                   | 0.15-10                   | 3.5-15                      | 120                         | 23.19 |
| 682-0054  | CS02425     | 24-280                   | 0.15-25                   | 3.5-15                      | 250                         | 29.55 |
| 682-0055  | CS02440     | 24-280                   | 0.15-40                   | 3.5-15                      | 625                         | 35.48 |
| 682-0056  | CS02450     | 24-280                   | 0.15-50                   | 3.5-15                      | 625                         | 33.95 |
| 682-0057  | CS02475     | 24-280                   | 0.25-75                   | 3.5-15                      | 1000                        | 49.76 |
| 682-0058  | CSE2410     | 24-280                   | 0.15-10                   | 15.0-32                     | 120                         | 23.19 |
| 682-0059  | CSE2425     | 24-280                   | 0.15-25                   | 15.0-32                     | 250                         | 29.55 |
| 682-0060  | CSE2450     | 24-280                   | 0.15-50                   | 15.0-32                     | 625                         | 33.95 |
| 682-2394  | CSE2490     | 24-280                   | 0.25-90                   | 15.0-32                     | 1200                        | 54.85 |

AC Series 53TP

25-50 Amp; 240/480 VAC; 3 Phase

- SCR Output
- LED Status Indicator
- UL Approved
- UL, CSA, VDE Approved
- FAX-ON-DEMAND — Code: 161

Three-phase solid state relays switch up to 530 Vrms directly to loads such as motors, transformers, heating elements, etc. Available with either AC or DC input (coil) control in zero-voltage or random turn-on switching versions. **Operating Temperature Range:** -40°C to 80°C. **Isolation Voltage (Vrms):** 4000. **Options Available on Special Order:** Non-zero cross, instantaneous turn-on, 2 controlled, 1 linked (C1-C2).



AC Control

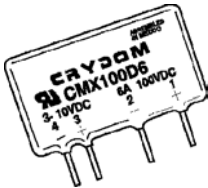
| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VAC) | Surge Current 1-Cycle (Apk) | EACH   |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|--------|
| 682-1100  | A53TP25D    | 48-530                   | 0.05-25                   | 90-280                      | 250                         | 112.48 |
| 682-1101  | A53TP50D    | 48-530                   | 0.05-50                   | 90-280                      | 625                         | 123.09 |

DC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH   |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|--------|
| 682-1102  | D53TP25D    | 48-530                   | 0.05-25                   | 3-32                        | 250                         | 117.30 |
| 682-1103  | D53TP50D    | 48-530                   | 0.05-50                   | 3-32                        | 625                         | 127.92 |

DC Series CMX

5-10 Amp; 60, 100 VDC; DC SIP Package



- DC Control, DC Output — MOSFET
- Extra Low On-State Resistance

- UL Approved
- FAX-ON-DEMAND — Code: 109

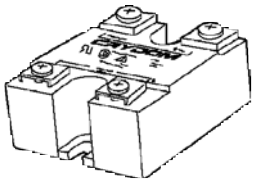
DC output SPST-NO solid state relays use MOSFET output for high switching capabilities in a PC-mount air-cooled package. Pinouts are compatible with Series 6 and ODC type I/O modules. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (Vrms):** 2500.

| Stock No. | Mfr.'s Type | Line Voltage Range (VDC) | Load Current Range (ADC) | Control Voltage Range (VDC) | Surge Current 1-Sec. (Apk) | EACH  |
|-----------|-------------|--------------------------|--------------------------|-----------------------------|----------------------------|-------|
| 682-4078  | CMX60D5     | 0-60                     | 0-5                      | 3-10                        | 60                         | 20.09 |
| 682-2370  | CMX60D10    | 0-60                     | 0-10                     | 3-10                        | 100                        | 24.71 |
| 682-2368  | CMX100D6    | 0-100                    | 0-6                      | 3-10                        | 100                        | 24.72 |

DC Series DC60

3-7 Amp; 60 VDC; DC Output

- AC or DC Control, Cost Effective
- Industry Standard Package
- UL Approved
- FAX-ON-DEMAND — Code: 163



Bipolar transistor outputs are available in 3, 5 and 7 amp ratings. Cost-effective relays offer 4000 volt isolation and come in Crydom's standard panel-mount package. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (VAC):** 4000.

AC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (ADC) | Control Voltage Range (VAC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|--------------------------|-----------------------------|-----------------------------|-------|
| 682-4154  | DC60SA3     | 3-60                     | 0.02-3                   | 90-280                      | 6                           | 14.43 |
| 682-4155  | DC60SA5     | 3-60                     | 0.02-5                   | 90-280                      | 10                          | 21.33 |
| 682-4156  | DC60SA7     | 3-60                     | 0.02-7                   | 90-280                      | 14                          | 26.16 |

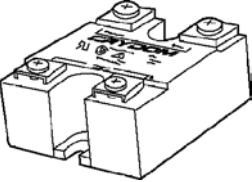
DC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (ADC) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|--------------------------|-----------------------------|-----------------------------|-------|
| 682-2322  | DC60S3      | 3-60                     | 0.02-3                   | 3.5-32                      | 6                           | 11.09 |
| 682-2324  | DC60S5      | 3-60                     | 0.02-5                   | 3.5-32                      | 10                          | 17.19 |
| 682-2326  | DC60S7      | 3-60                     | 0.02-7                   | 3.5-32                      | 14                          | 21.49 |

DC Series 1-DC

7-40 Amp; 0-500 VDC; DC Output

- Output, Low On-State Resistance
- Paralleling Capability for Higher Currents
- UL Approved on 100 V Models Only
- FAX-ON-DEMAND — Code: 164



DC output relays feature MOSFET technology for low on-state resistance, assuring easy paralleling and switching capabilities to 40 amps at 100 VDC. Lower current models are also available to 500 VDC. All models come in Crydom's standard panel-mount package. **Operating Temperature Range:** -30°C to 80°C. **Isolation Voltage (VAC):** 2500.

DC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (VDC) | Load Current Range (ADS) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH   |
|-----------|-------------|--------------------------|--------------------------|-----------------------------|-----------------------------|--------|
| 682-0067  | D1D07       | 0-100                    | 0-7                      | 3.5-32                      | 15                          | 44.34  |
| 682-0068  | D1D12       | 0-100                    | 0-12                     | 3.5-32                      | 28                          | 56.62  |
| 682-0069  | D1D20       | 0-100                    | 0-20                     | 3.5-32                      | 42                          | 53.26  |
| 682-0070  | D1D40       | 0-100                    | 0-40                     | 3.5-32                      | 106                         | 60.72  |
| 682-0071  | D2D07       | 0-200                    | 0-7                      | 3.5-32                      | 22                          | 51.24  |
| 682-0072  | D2D12       | 0-200                    | 0-12                     | 3.5-32                      | 27                          | 59.09  |
| 682-0073  | D4D07       | 0-400                    | 0-7                      | 3.5-32                      | 17                          | 59.09  |
| 682-0074  | D4D12       | 0-400                    | 0-12                     | 3.5-32                      | 36                          | 81.10  |
| 682-0075  | D5D07       | 0-500                    | 0-7                      | 3.5-32                      | 19                          | 66.52  |
| 682-5520  | D06D60      | 0-60                     | 0-60                     | 3.5-32                      | 180                         | 69.34  |
| 682-5521  | D06D80      | 0-60                     | 0-80                     | 3.5-32                      | 220                         | 87.27  |
| 682-5522  | D06D100     | 0-60                     | 0-100                    | 3.5-32                      | 270                         | 110.02 |