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AC Series PF

PowerFin™ — Integral Heat Sink

Up to 25 Amp; 120/240, 380, 480 VAC; AC SIP

AC or DC Control, SCR AC Output Switching: Zero-Cross, Random Turn-On (R Suffix)

UL, VDE Approved (DC Control Models Only) FAX-ON-DEMAND — Code: 115

Crydom's PowerFin™ series delivers the highest ratings of any single in-line package (SIP). The integral heat sink design can operate at 25 amps RMS in forced air at 85 °C case temp. With natural convection in free air, it rates 10 amps RMS at 25 °C ambient. Operating Temperature Range: -30°C to 80°C. Isolation Voltage (Vrms): 2500.

AC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (Vrms) | Load Current Range (Arms)† | Control Voltage Range (VAC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|---------------------------|----------------------------|-----------------------------|-----------------------------|-------|
| 682-4139  | PF240A25    | 12-280                    | 0.06-25                    | 90-140                      | 250                         | 14.34 |
| 682-4140  | PFE240A25   | 12-280                    | 0.06-25                    | 18-36                       | 250                         | 14.34 |
| 682-4141  | PF240A25R*  | 12-280                    | 0.06-25                    | 90-140                      | 250                         | 14.34 |

\*R Suffix — Random Turn-On Version. †0.06-25 in forced air, heat sink 85 °C max, 0.06-10 natural convection, free air at 25 °C ambient.

DC Control

| Stock No. | Mfr.'s Type | Line Voltage Range (Vrms) | Load Current Range (Arms)† | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|---------------------------|----------------------------|-----------------------------|-----------------------------|-------|
| 682-2379  | PF240D25    | 12-280                    | 0.06-25                    | 3-15                        | 250                         | 13.26 |
| 682-2380  | PFE240D25   | 12-280                    | 0.06-25                    | 15-32                       | 250                         | 13.26 |
| 682-2481  | PF240D25R*  | 12-280                    | 0.06-25                    | 3-15                        | 250                         | 13.26 |
| 682-2482  | PFE240D25R* | 12-280                    | 0.06-25                    | 15-32                       | 250                         | 13.26 |
| 682-4135  | PF380D25    | 48-530                    | 0.06-25                    | 4-15                        | 250                         | 13.50 |
| 682-4137  | PF480D25    | 48-660                    | 0.06-25                    | 4-15                        | 250                         | 13.50 |

\*R Suffix — Random Turn-On Version. †0.06-25 in forced air, heat sink 85 °C max, 0.06-10 natural convection, free air at 25 °C ambient.

AC Series CX241, MCX241

1.5 Amp; 120, 240 VAC • AC SIP Package

DC Control, SCR AC Output Low Minimum Operating Current

UL, CSA, VDE Approved FAX-ON-DEMAND — Code: 105, 106

The CX241 AC relays are SPST-NO low profile SIP solid state relays. These models offer the ASO circuit with the popular CX pin-out. Operating Temperature Range: -30°C to 80°C. Isolation Voltage (VAC): 4000. Both models available in the MP package (see Series MP). Use "M" prefix, example — MCX241. Dimensions (L × W × H): 1.7 × 0.3 × 0.69 (43.1 × 7.6 × 17.5 mm).

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Sec. (Apk) | EACH |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|----------------------------|------|
| 682-3070  | CX241       | 12-280                   | 0.01-1.5                  | 4-10                        | 10                         | 6.97 |
| 682-3071  | CX241R*     | 12-280                   | 0.01-1.5                  | 4-10                        | 10                         | 8.25 |

\*R Suffix — Random Turn-On Version.

AC Series D2W

2-3.5 Amp; 120/240 VAC • AC SIP

DC Control, AC Output Triac Output

UL, CSA Approved FAX-ON-DEMAND — Code: 116

The D2W Series features an epoxy-coated package that provides exceptional environmental protection. Pinouts are compatible with Series 6 and OAC type I/O modules. Operating Temperature Range: -30°C to 80°C. Isolation Voltage (Vrms): 2500. Dimensions (L × W × H): 1.7 × 0.47 × 1.18 (43.1 × 11.9 × 29.9 mm).

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-------|
| 682-0114  | D2W202F     | 24-280                   | 0.06-2.0                  | 3-32                        | 28                          | 8.68  |
| 682-0115  | D2W203F     | 24-280                   | 0.06-3.0                  | 3-32                        | 70                          | 9.67  |
| 682-0116  | D2W203F-11  | 24-280                   | 0.06-3.5                  | 3-32                        | 80                          | 10.14 |

AC Series CTX

4 × 2.5 Amp; 120/240 VAC; AC SIP Package

Four AC Relays in One Compact PCB Package TRIAC Output FAX-ON-DEMAND — Code: 110

The CTX240D3Q offers four independently controlled SSRs in one compact PCB mount package. Based on the Series CX line, offers ultra high surge rating, extra low leakage and 4-10 VDC logic compatible input. Operating Temperature Range: -30°C to 80°C. Isolation Voltage (Vrms): 2500. Dimensions (L × W × H): 3.3 × 0.25 × 1.0 (83.8 × 6.4 × 25.4 mm).

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 10 mS (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|---------------------------|-------|
| 682-2328  | CTX240D3Q   | 24-280                   | 0.1-6.0 *                 | 4-10                        | 120                       | 36.05 |
| 682-2330  | CTX240D3QR  | 24-280                   | 0.1-6.0 *                 | 4-10                        | 120                       | 36.05 |

\*1 section on — 0.1-6.0, 2 sections on — 0.1-4.0, 3 sections on — 0.1-3.0, 4 sections on: 0.1-2.5.

AC Series MP, PX

3-4 Amp; 120, 240 VAC; AC Output

Opto-Isolated 4000 Vrms Compatible with 5, 15 and 24 V Logic Systems UL, VDE Approved FAX-ON-DEMAND — Code: 111, 112

Available in 3 Arms and 4 Arms ratings, all are SPST-NO PC-mount relays that provide greater packaging density and compatibility with pin out of Series 6 and OAC output modules. Internal snubber included. Operating Temperature Range: -30°C to 80°C. Isolation Voltage (Vrms): 4000. PX models available in the MP package (see Series MP). Dimensions (L × W × H): 1.7 × 0.4 × 1.0 (43.1 × 10.2 × 25.4 mm).

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VDC) | Surge Current 10 mS (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|---------------------------|-------|
| 682-2316  | MP120D3     | 12-140                   | 0.02-3.0                  | 3-32                        | 90                        | 16.67 |
| 682-2318  | MP240D3     | 24-280                   | 0.02-3.0                  | 3-32                        | 90                        | 16.67 |
| 682-2320  | MP240D4     | 24-280                   | 0.02-4.0                  | 3-32                        | 130                       | 17.14 |
| 682-4143  | PX240D5     | 12-280                   | 0.06-5.0                  | 3-32                        | 250                       | 9.10  |

AC Series 1

10-125 Amp; 120, 240 VAC; AC Output

AC or DC Control, SCR AC Output Zero Voltage and Random Turn-On Switching

UL, CSA, VDE Approved FAX-ON-DEMAND — Code: 151, 152

Featuring state-of-the-art surface mount technology, these SPST-NO relays deliver proven reliability in the most demanding applications. Output consists of an SCR AC switch with internal snubber and is available in zero-cross, random turn-on (phase controllable) versions with either AC or DC input (coil) control. Operating Temperature Range: -30°C to 80°C. Isolation Voltage (Vrms): 4000. Options Available on Special Order: Normally closed (Form B), 400 Hz operation and 24 VAC input (18-36 VAC).

| Stock No. | Mfr.'s Type | Line Voltage Range (VAC) | Load Current Range (Arms) | Control Voltage Range (VAC) | Surge Current 1-Cycle (Apk) | EACH  |
|-----------|-------------|--------------------------|---------------------------|-----------------------------|-----------------------------|-------|
| 682-0002  | A1210       | 24-140                   | 0.04-10                   | 90-280                      | 120.0                       | 33.79 |
| 682-0003  | A1225       | 24-140                   | 0.04-25                   | 90-280                      | 250.0                       | 33.26 |
| 682-0004  | A1240       | 24-140                   | 0.04-40                   | 90-280                      | 625.0                       | 36.02 |
| 682-0005  | A2402       | 24-280                   | 0.04-2.5                  | 90-280                      | 22.5                        | 23.44 |
| 682-0006  | A2410       | 24-280                   | 0.04-10                   | 90-280                      | 120.0                       | 32.53 |
| 682-0007  | A2425       | 24-280                   | 0.04-25                   | 90-280                      | 250.0                       | 33.10 |
| 682-0008  | A2440       | 24-280                   | 0.04-40                   | 90-280                      | 625.0                       | 35.80 |
| 682-0009  | A2450       | 24-280                   | 0.04-50                   | 90-280                      | 625.0                       | 37.55 |
| 682-0010  | A2475       | 24-280                   | 0.04-75                   | 90-280                      | 1000.0                      | 60.42 |
| 682-2391  | A2490       | 24-280                   | 0.04-90                   | 90-280                      | 1200.0                      | 66.25 |
| 682-2312  | A24125      | 24-280                   | 0.04-125                  | 90-280                      | 1750.0                      | 76.17 |
| 682-0012  | A4812       | 80-530                   | 0.04-12                   | 90-280                      | 140.0                       | 41.32 |
| 682-0013  | A4825       | 80-530                   | 0.04-25                   | 90-280                      | 250.0                       | 44.03 |
| 682-0014  | A4840       | 80-530                   | 0.04-40                   | 90-280                      | 625.0                       | 48.33 |
| 682-0015  | A4850       | 80-530                   | 0.04-50                   | 90-280                      | 625.0                       | 49.17 |
| 682-0016  | A4875       | 80-530                   | 0.04-75                   | 90-280                      | 1000.0                      | 67.16 |
| 682-0017  | A4890       | 80-530                   | 0.04-90                   | 90-280                      | 1200.0                      | 73.57 |

\*Non-Zero Cross, Phase Controllable.

DC Control

682-0018

682-0019

682-0020

682-0021

682-1241

682-0023

682-0024

682-0025

682-0026

682-0027

682-0142

682-2300

682-2302

682-2304

682-2306

682-0029

682-0030

682-0031

682-0032

682-0033

682-0034

682-4890

D1202

D1210

D1225

D1240

D1240-B

D2410

D2425

D2440

D2450

D2475

D2490

D24110

D24110-10\*

D24125

D24125-10\*

D4812

D4825

D4840

D4850

D4875

D4890

D4890-10

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625.0

625.0

1000.0

1200.0

1500.0

1500.0

1750.0

1750.0

140.0

250.0

625.0

625.0

1000.0

1200.0

1200.0

18.25

26.89

27.32

34.00

33.20

33.10

28.77

34.86

35.01

57.44

63.18

76.32

71.33

72.68

75.32

36.29

38.51

41.56

39.41

61.38

69.17

71.67

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