



## CW24 Series

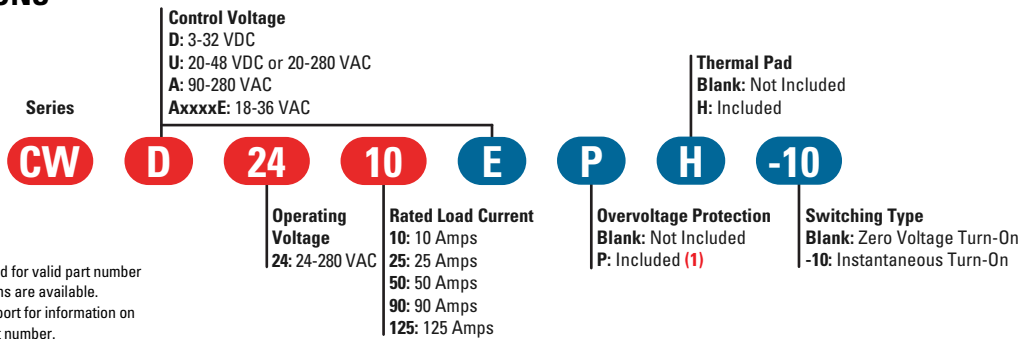
- Ratings from 10A to 125A @ 24-280VAC
- SCR Output for heavy industrial loads
- LED Status Indicator
- UL/CSA/TUV Approved, CE Compliant to EN60950-1
- Improved SEMS screw and washer
- Redesigned housing with anti-rotation barriers
- AC or DC control and Universal AC/DC control
- EMC Compliant to Level 3
- Epoxy Free Design
- Removable IP20 touch-safe cover
- DBC substrate for superior thermal performance

For **Generation 3** datasheet [click here](#)

### PRODUCT SELECTION

Control Voltage	10A	25A	50A	90A	125A
3-32 VDC	CWD2410	CWD2425	CWD2450	CWD2490	CWD24125
90-280 VAC	CWA2410	CWA2425	CWA2450	CWA2490	CWA24125
18-36 VAC	CWA2410E	CWA2425E	CWA2450E	CWA2490E	CWA24125E
20-48 VDC/20-280 VAC	CWU2410	CWU2425	CWU2450	CWU2490	CWU24125

### AVAILABLE OPTIONS



### OUTPUT SPECIFICATIONS (2)

Description	10A	25A	50A	90A	125A
Operating Voltage (47-440Hz) [Vrms]	24-280	24-280	24-280	24-280	24-280
Transient Voltage [Vpk]	600	600	600	600	600
Maximum Off-State Leakage Current @ Rated Voltage [mArms]	1	1	1	1	1
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec]	500	500	500	500	500
Maximum Load Current [Arms] (3)	10	25	50	90	125
Minimum Load Current [mArms]	150	150	150	250	250
Maximum 1 Cycle Surge Current (50/60Hz) [Apk]	380/400	570/600	810/850	1290/1350	1900/2000
Maximum On-State Voltage Drop @ Rated Current [Vpk]	1.3	1.3	1.3	1.3	1.25
Thermal Resistance Junction to Case [Rjc] [°C/W]	0.35	0.3	0.2	0.16	0.11
Maximum 1/2 Cycle I <sup>2</sup> t for Fusing (50/60Hz) [A <sup>2</sup> sec]	720/660	1620/1500	3280/3000	8320/7560	18000/16600
Minimum Power Factor (at Maximum load) (1)	0.5	0.5	0.5	0.5	0.5
HP Rating UL 508/IEC60947 [-10 Option][HP (KW)]: 120 VAC	0.5 (0.37)	1 (0.74)	2 (1.5)	3 (2.24)	5 (3.37)
HP Rating UL 508/IEC60947 [-10 Option][HP (KW)]: 240 VAC	1.5 (1.1)	3 (2.2)	5 (3.73)	7.5 (5.6)	10 (7.5)
HP Rating UL 508/IEC60947 [HP (KW)]: 120 VAC	0.5 (0.37)	0.75 (0.56)	1 (0.74)	2 (1.5)	3 (2.24)
HP Rating UL 508/IEC60947 [HP (KW)]: 240 VAC	1.5 (1.1)	2 (1.5)	3 (2.2)	5 (3.73)	7.5 (5.6)

### INPUT SPECIFICATIONS (2)

Description	CWD	CWA	CWAxxxxE	CWU
Control Voltage Range	3-32 VDC	90-280 VAC (4)	18-36 VAC	20-48 VDC/ 20-280VAC
Maximum Reverse Voltage	-32 VDC	-	-	-
Minimum Turn-On Voltage	3 VDC (5)	90 VAC	18 VAC	19 VDC/VAC
Must Turn-Off Voltage	1 VDC	10 VAC	4 VAC	5 VDC/VAC
Minimum Input Current (for on-state)	10 mA	6 mA	13 mA	7/13 mA
Maximum Input Current	15 mA	10 mA	15 mA	11/9 mA
Nominal Input Impedance	Current Regulated	Current Regulated	Current Regulated	Current Regulated
Maximum Turn-On Time [msec]	1/2 Cycle (6)	20	20	20
Maximum Turn-Off Time [msec]	1/2 Cycle	30	30	30