



Series 1 240 VAC

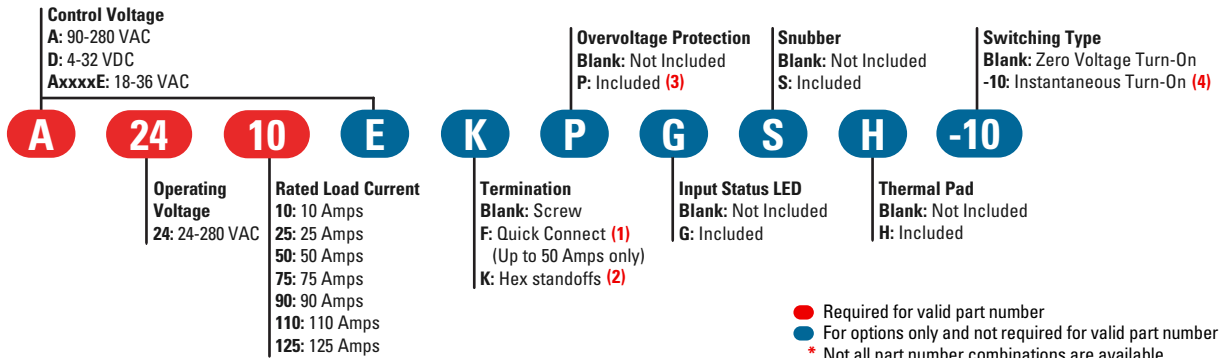
- Ratings from 10A to 125A @ 24-280 VAC
- SCR output for heavy industrial loads
- Zero voltage or instantaneous turn-on outputs
- UL/CSA/VDE Approved, CE Compliant to EN60950-1
- Improved SEMS screw and washer
- Redesigned housing with anti-rotation barriers
- AC or DC control
- Direct bond copper substrate
- EMC compliant to Level 3
- Direct power lead frame
- Epoxy free design

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

PRODUCT SELECTION

Control Voltage	10A	25A	50A	75A	90A	110A	125A
3-32 VDC	D2410	D2425	D2450	D2475	D2490	D24110	D24125
90-280 VAC	A2410	A2425	A2450	A2475	A2490	A24110	A24125
18-36 VAC	A2410E	A2425E	A2450E	A2475E	A2490E	A24110E	A24125E

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (5)

Description	10A	25A	50A	75A	90A	110A	125A
Operating Voltage (47-440Hz) [Vrms] (6)	24-280	24-280	24-280	24-280	24-280	24-280	24-280
Transient Overvoltage [Vpk]	600	600	600	600	600	600	600
Maximum Off-State Leakage Current @ Rated Voltage [mA _{rms}] (7)	1	1	1	1	1	1	1
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec]	500	500	500	500	500	500	500
Maximum Load Current [Arms] (2)(8)	10	25	50	75	90	110	125
Minimum Load Current [mA _{rms}]	150	150	150	150	150	250	250
Maximum 1 Cycle Surge Current (50/60Hz) [A _{pk}]	115/120	239/250	597/625	954/1000	1145/1200	1432/1500	1670/1750
Maximum On-State Voltage Drop @ Rated Current [Vrms]	1.15	1.15	1.15	1.15	1.15	1.15	1.15
Thermal Resistance Junction to Case (R _{jc}) [°C/W]	1.03	0.8	0.45	0.3	0.27	0.25	0.22
Maximum 1/2 Cycle I ² t for Fusing (50/60Hz) [A ² sec]	66/60	285/259	1770/1621	4555/4150	6560/5976	10249/9338	13950/12709
Minimum Power Factor (at Maximum load) (3)	0.5	0.5	0.5	0.5	0.5	0.5	0.5