V-EA Circuit Breakers, DIN Rail Mount (Continued)

"D" Characteristic
Thermal one hour trip zone 1.13 to 1.45 times rated current (RC); magnetic 100 ms trip boundary 10 to 16 times RC. CENELEC high-inrush industrial. The "D" characteristic meets USA and Canadian magnetic trip norms for high-inrush applications (transformers, motors, etc.). Thermal trips are the same as the "B" trip curve. CENELEC industrial curve, particularly for motor and similar applications.

Rated Current	"D" One Pole				"D" Two Pole				"D" Three Pole			
	Stock No.	Mfr.'s Type	EACH		Stock No.	Mfr.'s Type	EACH		Stock No.	Mfr.'s Type	EACH	
			1-24	25-Up			1-24	25-Up			1-24	25-Up
0.30 A	**501-2039**	1DU03	**21.51**	**19.72**	**501-2242**	2DU03	**44.55**	**40.83**	**501-2459**	3DU03	**74.83**	**68.60**
0.50 A	**501-2040**	1DU05	**21.51**	**19.72**	**501-2243**	2DU05	**44.55**	**40.83**	**501-2460**	3DU05	**74.83**	**68.60**
0.75 A	**501-2041**	1DU07.5	**21.51**	**19.72**	**501-2244**	2DU07.5	**44.55**	**40.83**	**501-2461**	3DU07.5	**74.83**	**68.60**
1.00 A	**501-2042**	1DU1	**21.51**	**19.72**	**501-2245**	2DU1	**44.55**	**40.83**	**501-2462**	3DU1	**74.83**	**68.60**
1.60 A	**501-2043**	1DU1.6	**21.51**	**19.72**	**501-2246**	2DU1.6	**44.55**	**40.83**	**501-2463**	3DU1.6	**74.83**	**68.60**
2.00 A	**501-2048**	1DU2	**21.51**	**19.72**	**501-2251**	2DU2	**44.55**	**40.83**	**501-2468**	3DU2	**74.83**	**68.60**
2.50 A	**501-2049**	1DU2.5	**21.51**	**19.72**	**501-2252**	2DU2.5	**44.55**	**40.83**	**501-2469**	3DU2.5	**74.83**	**68.60**
3.00 A	**501-2052**	1DU3	**21.51**	**19.72**	**501-2255**	2DU3	**44.55**	**40.83**	**501-2472**	3DU3	**74.83**	**68.60**
3.50 A	**501-2053**	1DU3.5	**21.51**	**19.72**	**501-2256**	2DU3.5	**44.55**	**40.83**	**501-2473**	3DU3.5	**74.83**	**68.60**
4.00 A	**501-2056**	1DU4	**21.51**	**19.72**	**501-2259**	2DU4	**44.55**	**40.83**	**501-2476**	3DU4	**74.83**	**68.60**
5.00 A	**501-2058**	1DU5	**21.51**	**19.72**	**501-2261**	2DU5	**44.55**	**40.83**	**501-2478**	3DU5	**74.83**	**68.60**
6.00 A	**501-2060**	1DU6	**21.51**	**19.72**	**501-2263**	2DU6	**44.55**	**40.83**	**501-2480**	3DU6	**72.33**	**66.30**
8.00 A	**501-2062**	1DU8	**21.51**	**19.72**	**501-2265**	2DU8	**43.40**	**39.78**	**501-2482**	3DU8	**72.33**	**66.30**
10.00 A	**501-2044**	1DU10	**20.64**	**18.92**	**501-2247**	2DU10	**43.40**	**39.78**	**501-2464**	3DU10	**72.33**	**66.30**
13.00 A	**501-2045**	1DU13	**20.64**	**18.92**	**501-2248**	2DU13	**43.40**	**39.78**	**501-2465**	3DU13	**72.33**	**66.30**
15.00 A*	**501-2046**	1DU15	**20.64**	**18.92**	**501-2249**	2DU15	**43.40**	**39.78**	**501-2466**	3DU15	**72.33**	**66.30**
16.00 A	**501-2047**	1DU16	**20.64**	**18.92**	**501-2250**	2DU16	**43.40**	**39.78**	**501-2467**	3DU16	**72.33**	**66.30**
20.00 A	**501-2050**	1DU20	**20.64**	**18.92**	**501-2253**	2DU20	**43.40**	**39.78**	**501-2470**	3DU20	**72.33**	**66.30**
25.00 A	**501-2051**	1DU25	**20.64**	**18.92**	**501-2254**	2DU25	**43.40**	**39.78**	**501-2471**	3DU25	**72.33**	**66.30**
30.00 A*	**501-2054**	1DU30	**20.64**	**18.92**	**501-2257**	2DU30	**41.65**	**38.18**	**501-2474**	3DU30	**72.33**	**66.30**
32.00 A	**501-2055**	1DU32	**20.64**	**18.92**	**501-2258**	2DU32	**43.40**	**39.78**	**501-2475**	3DU32	**72.33**	**66.30**
40.00 A	**501-2057**	1DU40	**23.05**	**21.13**	**501-2260**	2DU40	**51.69**	**47.38**	**501-2477**	3DU40	**89.69**	**82.21**
50.00 A	**501-2059**	1DU50	**24.78**	**22.71**	**501-2262**	2DU50	**56.23**	**51.54**	**501-2479**	3DU50	**105.14**	**96.38**
60.00 A*	**501-2061**	1DU60	**26.76**	**24.53**	**501-2264**	2DU60	**61.63**	**56.49**	**501-2481**	3DU60	**150.82**	**138.26**

*Not European standard rating.

"E" Characteristic
Thermal one hour trip zone 1.05 to 1.35 times rated current (RC); magnetic 100 ms trip boundary 14 to 18 times RC. The "E" characteristic is newly designed for extremely high-inrush applications, especially high-efficiency motors. The "E" Trip combines the short thermal trip delay of the "G" Trip with a magnetic trip higher than the "D" Trip.

Rated Current	"E" One Pole				"E" Two Pole				"E" Three Pole			
	Stock No.	Mfr.'s Type	EACH		Stock No.	Mfr.'s Type	EACH		Stock No.	Mfr.'s Type	EACH	
			1-24	25-Up			1-24	25-Up			1-24	25-Up
0.30 A	**501-2064**	1EU03	**19.81**	**18.16**	**501-2294**	2EU03	**43.60**	**39.97**	**501-2484**	3EU03	**66.52**	**60.98**
0.50 A	**501-2065**	1EU05	**19.81**	**18.16**	**501-2295**	2EU05	**43.60**	**39.97**	**501-2485**	3EU05	**66.52**	**60.98**
0.75 A	**501-2066**	1EU07.5	**19.81**	**18.16**	**501-2296**	2EU07.5	**43.60**	**39.97**	**501-2486**	3EU07.5	**66.52**	**60.98**
1.00 A	**501-2067**	1EU1	**19.81**	**18.16**	**501-2297**	2EU1	**43.60**	**39.97**	**501-2487**	3EU1	**66.52**	**60.98**
1.60 A	**501-2068**	1EU1.6	**19.81**	**18.16**	**501-2298**	2EU1.6	**43.60**	**39.97**	**501-2488**	3EU1.6	**66.52**	**60.98**
2.00 A	**501-2075**	1EU2	**19.81**	**18.16**	**501-2305**	2EU2	**43.60**	**39.97**	**501-2495**	3EU2	**66.52**	**60.98**
2.50 A	**501-2076**	1EU2.5	**19.81**	**18.16**	**501-2306**	2EU2.5	**43.60**	**39.97**	**501-2496**	3EU2.5	**66.52**	**60.98**
3.00 A	**501-2079**	1EU3	**19.81**	**18.16**	**501-2309**	2EU3	**43.60**	**39.97**	**501-2499**	3EU3	**66.52**	**60.98**
3.50 A	**501-2080**	1EU3.5	**19.81**	**18.16**	**501-2310**	2EU3.5	**43.60**	**39.97**	**501-2500**	3EU3.5	**66.52**	**60.98**
4.00 A	**501-2083**	1EU4	**19.81**	**18.16**	**501-2313**	2EU4	**43.60**	**39.97**	**501-2503**	3EU4	**66.52**	**60.98**
5.00 A	**501-2085**	1EU5	**19.81**	**18.16**	**501-2315**	2EU5	**43.60**	**39.97**	**501-2505**	3EU5	**66.52**	**60.98**
6.00 A	**501-2087**	1EU6	**19.81**	**18.16**	**501-2317**	2EU6	**40.93**	**37.52**	**501-2507**	3EU6	**62.39**	**57.19**
8.00 A	**501-2089**	1EU8	**19.81**	**18.16**	**501-2319**	2EU8	**40.93**	**37.52**	**501-2509**	3EU8	**62.39**	**57.19**
10.00 A	**501-2069**	1EU10	**17.84**	**16.35**	**501-2299**	2EU10	**37.22**	**34.12**	**501-2489**	3EU10	**56.99**	**52.24**
12.00 A*	**501-2070**	1EU12	**17.84**	**16.35**	**501-2300**	2EU12	**37.22**	**34.12**	**501-2490**	3EU12	**56.99**	**52.24**
12.50 A	**501-2071**	1EU12.5	**17.84**	**16.35**	**501-2301**	2EU12.5	**37.22**	**34.12**	**501-2491**	3EU12.5	**56.99**	**52.24**
13.00 A	**501-2072**	1EU13	**17.84**	**16.35**	**501-2302**	2EU13	**37.22**	**34.12**	**501-2492**	3EU13	**56.99**	**52.24**
15.00 A*	**501-2073**	1EU15	**17.84**	**16.35**	**501-2303**	2EU15	**37.22**	**34.12**	**501-2493**	3EU15	**56.99**	**52.24**
16.00 A	**501-2074**	1EU16	**17.84**	**16.35**	**501-2304**	2EU16	**37.22**	**34.12**	**501-2494**	3EU16	**56.99**	**52.24**
20.00 A	**501-2077**	1EU20	**17.84**	**16.35**	**501-2307**	2EU20	**38.19**	**35.00**	**501-2497**	3EU20	**56.99**	**52.24**
25.00 A	**501-2078**	1EU25	**17.84**	**16.35**	**501-2308**	2EU25	**38.19**	**35.00**	**501-2498**	3EU25	**56.99**	**52.24**
30.00 A*	**501-2081**	1EU30	**17.84**	**16.35**	**501-2311**	2EU30	**39.83**	**36.51**	**501-2501**	3EU30	**56.99**	**52.24**
32.00 A	**501-2082**	1EU32	**17.84**	**16.35**	**501-2312**	2EU32	**39.83**	**36.51**	**501-2502**	3EU32	**56.99**	**52.24**
40.00 A	**501-2084**	1EU40	**17.84**	**16.35**	**501-2314**	2EU40	**46.20**	**42.35**	**501-2504**	3EU40	**70.40**	**64.53**
50.00 A	**501-2086**	1EU50	**20.54**	**18.83**	**501-2316**	2EU50	**49.66**	**45.53**	**501-2506**	3EU50	**76.96**	**70.54**
60.00 A*	**501-2088**	1EU60	**21.12**	**19.36**	**501-2318**	2EU60	**54.39**	**49.86**	**501-2508**	3EU60	**83.32**	**76.38**

*Not European standard rating.

"G" Characteristic
Magnetic 100 ms trip boundary is at 8 to 10 times rated current (RC) (i.e., hold for at least 100 ms at 8 times RC, trip in less than 100 ms at 10 times RC). At short-circuit currents, the V-EA typically trips in less than 1 ms and clears in less than 8 ms (half-cycle breaker). Meets USA trip time-versus-current norms. The V-EA-G will thermally trip in about one hour at 125% of its RC, trip in less than one hour at 135% of RC, trip in less than 10 seconds at 600% of RC, hold for at least one hour at 105% of RC, and carry 100% of RC continuously (all at cold-start from 20°C to 25°C). When at operating temperature the times will be 25% to 50% of those given for cold-starts. IEC/CEE general industrial trip characteristic. Meets USA and Canadian thermal and magnetic trip norms. It is suitable for most general industrial applications within its ratings. Most CENELEC and PacificBasin countries are signatories.

Rated Current	"G" One Pole				"G" Two Pole				"G" Three Pole			
	Stock No.	Mfr.'s Type	EACH		Stock No.	Mfr.'s Type	EACH		Stock No.	Mfr.'s Type	EACH	
			1-24	25-Up			1-24	25-Up			1-24	25-Up
0.30 A	**501-2091**	1GU03	**17.84**	**16.35**	**501-2348**	2GU03	**39.84**	**36.52**	**501-2511**	3GU03	**60.66**	**55.61**
0.50 A	**501-2092**	1GU05	**17.84**	**16.35**	**501-2349**	2GU05	**39.84**	**36.52**	**501-2512**	3GU05	**60.66**	**55.61**
0.80 A*	**501-2093**	1GU08	**17.84**	**16.35**	**501-2350**	2GU08	**39.84**	**36.52**	**501-2513**	3GU08	**60.66**	**55.61**
1.00 A	**501-2094**	1GU1	**17.84**	**16.35**	**501-2351**	2GU1	**39.84**	**36.52**	**501-2514**	3GU1	**60.66**	**55.61**
1.60 A	**501-2095**	1GU1.6	**17.84**	**16.35**	**501-2352**	2GU1.6	**39.84**	**36.52**	**501-2515**	3GU1.6	**60.66**	**55.61**
2.00 A	**501-2102**	1GU2	**17.84**	**16.35**	**501-2359**	2GU2	**39.84**	**36.52**	**501-2522**	3GU2	**60.66**	**55.61**
2.50 A	**501-2103**	1GU2.5	**17.84**	**16.35**	**501-2360**	2GU2.5	**39.84**	**36.52**	**501-2523**	3GU2.5	**60.66**	**55.61**

*Not European standard rating.