

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.

Same Day Shipments For Product In Stock

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