

Square D Circuit Breaker Application Data

Earth fault loop impedance (Zs) for final circuits supplying fixed equipment, disconnection occurs within 5 seconds

For final circuits supplying socket outlets, disconnection occurs within 0.4 of a second.

Values of I_t Let through Energy x 1000



Square D - Time current data for 1 & 2 pole Circuit Breakers 25kA

Voltage to Earth @ Vac = 230

Item	Catalogue Number	Short Time Setting (Im)	Long Time Setting (Ir)	Thermal Setting A	Disconnection Time in seconds (S)																		Zs ohm @		R2	Short Circuit level (kA)			
					0.01	0.4	0.6	1	2	3	5	10	20	40	60	100	200	500	1000	2000	5000	10000	230	Vac		10	20	25	
					Disconnection Current (A)																		5s	0.4s		Ohms	I ² t (x1000)		
1	CDLE14016	Fixed	Fixed	16	190	190	190	190	149	125	100	73	56	44	39	33	27	22.8	20.8	20	19.5	19	2.30	1.21	0.50	280	420	470	
2	CDLE14020	Fixed	Fixed	20	300	300	300	240	175	140	108	80	60	48	43	38	33	28.5	26.0	25	24.4	24	2.13	0.77	0.46	280	420	470	
3	CDLE14032	Fixed	Fixed	32	300	300	300	300	300	224	173	128	96	77	69	61	53	46	42	40	39	38	1.33	0.77	0.29	280	420	470	
4	CDLE14040	Fixed	Fixed	40	500	500	500	500	350	280	216	160	120	96	86	76	66	57	52	50	49	48	1.06	0.46	0.23	280	420	470	
5	CDLE14050	Fixed	Fixed	50	500	500	500	500	500	360	270	200	150	120	108	95	83	71	65	63	61	60	0.85	0.46	0.19	280	420	470	
6	CDLE14063	Fixed	Fixed	63	500	500	500	500	500	425	331	252	189	151	135	120	104	90	82	79	77	76	0.70	0.46	0.15	280	420	470	
7	CDLE14080	Fixed	Fixed	80	640	640	640	640	640	640	640	640	456	324	270	224	180	140	120	106	98	96	0.36	0.36	0.08	280	420	470	
8	CDLE14100	Fixed	Fixed	100	800	800	800	800	800	800	800	800	575	405	338	280	225	175	150	133	122	120	0.29	0.29	0.06	280	420	470	

Square D - Time current data for 3 pole Circuit Breakers 25kA Long Time Settings Ir = 0.8, 0.9, 1 Short Time Settings 16 to 100A Im = fixed

Item	Catalogue Number also CDLE	Short Time Setting (Im)	Long Time Setting (Ir)	Thermal Setting A	Disconnection Time in seconds (S)																Zs ohm @		R2	Short Circuit level (kA)					
					0.01	0.4	0.6	1	2	3	5	10	20	40	60	100	200	500	1000	2000	5000	10000		230	Vac	10	20	25	
					Disconnection Current (A)																5s	0.4s		Ohms	I ² t (x1000)				
1	CDAE34016	Fixed	1	16	190	190	190	190	149	125	100	73	56	44	39	33	27	22.8	21	20	19.5	19	2.30	1.21	0.50	280	420	470	
			0.9	14	190	190	190	171	134	112	90	66	50	40	35	30	24	21	19	18	17.6	17	2.56	1.21	0.56				
			0.8	13	190	190	190	152	119	100	80	58	45	35	31	26	22	18.2	17	16	15.6	15	2.88	1.21	0.63				
2	CDAE34025	Fixed	1	25	300	300	300	300	211	175	138	100	76	60	54	48	41	36	33	31	30.5	30	1.67	0.77	0.36	280	420	470	
			0.9	23	300	300	300	270	190	158	124	90	69	54	48	43	37	32	29	28	27.5	27	1.86	0.77	0.40				
			0.8	20	300	300	300	240	169	140	110	80	61	48	43	38	33	28.5	26	25	24.4	24	2.09	0.77	0.45				
3	CDAE34032	Fixed	1	32	400	400	400	400	280	224	173	128	98	77	69	61	53	46	42	40	39	38	1.33	0.58	0.29	280	420	470	
			0.9	29	400	400	400	360	252	202	156	115	88	69	62	55	48	41	37	36	35.1	35	1.48	0.58	0.32				
			0.8	26	400	400	400	320	224	179	138	102	78	61	55	49	42	36	33	32	31.2	31	1.66	0.58	0.36				
4	CDAE34040	Fixed	1	40	500	500	500	500	350	280	216	160	122	96	86	76	66	57	52	50	48.8	48	1.06	0.46	0.23	280	420	470	
			0.9	36	500	500	500	450	315	252	194	144	110	86	77	68	59	51	47	45	44	43	1.18	0.46	0.26				
			0.8	32	500	500	500	400	280	224	173	128	98	77	69	61	53	46	42	40	39	38	1.33	0.46	0.29				
5	CDAE34050	Fixed	1	50	500	500	500	500	430	350	270	200	153	120	108	95	83	71	65	63	61	60	0.85	0.46	0.19	280	420	470	
			0.9	45	500	500	500	450	387	315	243	180	137	108	97	86	74	64	59	56	55	54	0.95	0.46	0.21				
			0.8	40	500	500	500	400	344	280	216	160	122	96	86	76	66	57	52	50	49	48	1.06	0.46	0.23				
6	CDAE34063	Fixed	1	63	500	500	500	500	500	423	340	252	192	151	135	120	105	90	82	79	77	76	0.68	0.46	0.15	280	420	470	
			0.9	57	500	500	500	500	450	381	306	227	173	136	122	108	95	81	74	71	69	68	0.75	0.46	0.16				
			0.8	50	500	500	500	500	400	339	272	202	154	121	108	96	84	72	66	63	61	60	0.85	0.46	0.18				
7	CDAE34080	Fixed	1	80	640	640	640	640	640	640	640	640	456	324	270	224	180	140	120	106	98	96	0.36	0.36	0.08	280	420	470	
			0.9	72	640	640	640	640	640	640	640	640	576	410	292	243	202	162	126	108	96	88	86	0.36	0.36				0.08
			0.8	64	640	640	640	640	640	640	640	640	512	365	259	216	179	144	112	96	85	78	77	0.36	0.36				0.08
8	CDAE34100	Fixed	1	100	800	800	800	800	800	800	800	800	570	405	338	280	225	175	150	133	122	120	0.29	0.29	0.06	280	420	470	
			0.9	90	800	800	800	800	800	800	800	800	720	513	365	304	252	203	158	135	120	110	108	0.29	0.29				0.06
			0.8	80	800	800	800	800	800	800	800	800	640	456	324	270	224	180	140	120	106	98	96	0.29	0.29				0.06

Long Time Settings

Ir = 0.8, 0.9, 1

1.5

TRIPCA2-MOTOR 18/03/2004

Square D - Time current data for 3 pole Circuit Breakers 36kA

Voltage to Earth @ Vac = 230

Item	Catalogue Number	Short Time Setting (Im)	Long Time Setting (Ir)	Thermal Setting A	Disconnection Time in seconds (S)																	Zs ohm @		R2	Short Circuit level (kA)				
					0.01	0.4	0.6	1	2	3	5	10	20	40	60	100	200	500	1000	2000	5000	10000	230 Vac						
					Disconnection Current (A)																	5s	0.4s		Ohms	I²t (x1000)			
1	CNAE34016	Fixed	1	16	190	190	190	190	149	125	100	73	56	44	39	33	27	22.8	21	20	19.5	19	2.30	1.21	0.50	520	700	730	
			0.9	14	190	190	190	171	134	112	90	66	50	40	35	30	24	21	19	18	17.6	17	2.56	1.21	0.56				
			0.8	13	190	190	190	152	119	100	80	58	45	35	31	26	22	18	17	16	15.6	15	2.88	1.21	0.63				
2	CNAE34025	Fixed	1	25	300	300	300	300	211	175	138	100	76	60	54	48	41	36	33	31	30.5	30	1.67	0.77	0.36	520	700	730	
			0.9	23	300	300	300	270	190	158	124	90	69	54	48	43	37	32	29	28	27.5	27	1.86	0.77	0.40				
			0.8	20	300	300	300	240	169	140	110	80	61	48	43	38	33	29	26	25	24.4	24	2.09	0.77	0.45				
3	CNAE34032	Fixed	1	32	400	400	400	400	280	224	173	128	98	77	69	61	53	46	42	40	39	38	1.33	0.58	0.29	520	700	730	
			0.9	29	400	400	400	360	252	202	156	115	88	69	62	55	48	41	37	36	35.1	35	1.48	0.58	0.32				
			0.8	26	400	400	400	320	224	179	138	102	78	61	55	49	42	36	33	32	31.2	31	1.66	0.58	0.36				
4	CNAE34040	Fixed	1	40	500	500	500	500	350	280	216	160	122	96	86	76	66	57	52	50	48.8	48	1.06	0.46	0.23	520	700	730	
			0.9	36	500	500	500	450	315	252	194	144	110	86	77	68	59	51	47	45	44	43	1.18	0.46	0.26				
			0.8	32	500	500	500	400	280	224	173	128	98	77	69	61	53	46	42	40	39	38	1.33	0.46	0.29				
5	CNAE34050	Fixed	1	50	500	500	500	500	430	350	270	200	153	120	108	95	83	71	65	63	61	60	0.85	0.46	0.19	520	700	730	
			0.9	45	500	500	500	450	387	315	243	180	137	108	97	86	74	64	59	56	55	54	0.95	0.46	0.21				
			0.8	40	500	500	500	400	344	280	216	160	122	96	86	76	66	57	52	50	49	48	1.06	0.46	0.23				
6	CNAE34063	Fixed	1	63	500	500	500	500	500	423	340	252	192	151	135	120	105	90	82	79	77	76	0.68	0.46	0.15	520	700	730	
			0.9	57	500	500	500	500	450	381	306	227	173	136	122	108	95	81	74	71	69	68	0.75	0.46	0.16				
			0.8	50	500	500	500	500	400	339	272	202	154	121	108	96	84	72	66	63	61	60	0.85	0.46	0.18				
7	CNAE34080	Fixed	1	80	640	640	640	640	640	640	640	640	456	324	270	224	180	140	120	106	98	96	0.36	0.36	0.08	520	700	730	
			0.9	72	640	640	640	640	640	640	640	640	576	410	292	243	202	162	126	108	96	88	86	0.36	0.36				0.08
			0.8	64	640	640	640	640	640	640	640	640	512	365	259	216	179	144	112	96	85	78	77	0.36	0.36				0.08
8	CNAE34100	Fixed	1	100	800	800	800	800	800	800	800	800	570	405	338	280	225	175	150	133	122	120	0.29	0.29	0.06	520	700	730	
			0.9	90	800	800	800	800	800	800	800	800	720	513	365	304	252	203	158	135	120	110	108	0.29	0.29				0.06
			0.8	80	800	800	800	800	800	800	800	800	640	456	324	270	224	180	140	120	106	98	96	0.29	0.29				0.06

Square D - Time current data for 3 pole Circuit Breakers 36kA

Item	Catalogue Number also CNLE	Short Time Setting (I _m)	Long Time Setting (I _r)	Thermal Setting A	Disconnection Time in seconds (S)																	Zs ohm @		R2	Short Circuit level (kA)				
					0.015	0.4	1	2	3	6	10	20	30	40	60	100	200	500	1000	2000	5000	10000	230		Vac	10	20	36	
					Disconnection Current (A)																	5s	0.4s		Ohms	I ² t (x1000)			
1	CNAE34125	Fixed	1	125	1250	1250	1250	1250	1250	1250	1250	781	625	531	438	344	266	200	170	156	153	150	0.18	0.18	0.04	520	700	730	
			0.9	113	1250	1250	1250	1250	1250	1250	1250	1125	703	563	478	394	309	239	180	153	141	137	135	0.18	0.18				0.04
			0.8	100	1250	1250	1250	1250	1250	1250	980	625	500	425	350	275	213	160	136	125	122	120	0.18	0.18	0.05				
2	CNAE34160	Fixed	1	160	1250	1250	1250	1250	1250	1250	1250	960	790	680	560	440	340	256	216	200	195	192	0.18	0.18	0.04	520	700	730	
			0.9	144	1250	1250	1250	1250	1250	1250	1125	864	711	612	504	396	306	230	194	180	176	173	0.18	0.18	0.04				
			0.8	128	1250	1250	1250	1250	1250	1250	1000	768	632	544	448	352	272	205	173	160	156	154	0.18	0.18	0.05				
3	CNAE34200	10	1	200	2000	2000	2000	2000	2000	2000	2000	1275	1000	850	700	550	425	320	270	250	244	240	0.12	0.12	0.03	520	700	730	
		8	0.9	180	1600	1600	1600	1600	1600	1600	1600	1600	900	765	630	495	383	288	243	225	220	216	0.14	0.14	0.03				
		5	0.8	160	1000	1000	1000	1000	1000	1000	1000	1000	800	680	560	440	340	256	216	200	195	192	0.23	0.23	0.05				
4	CNAE34250	10	1	250	2500	2500	2500	2500	2500	2500	2500	1594	1250	1063	875	688	531	400	338	313	305	300	0.09	0.09	0.02	520	700	730	
		8	0.9	225	2000	2000	2000	2000	2000	2000	2000	1434	1125	956	788	619	478	360	304	281	275	270	0.12	0.12	0.03				
		5	0.8	200	1250	1250	1250	1250	1250	1250	1250	1000	850	700	550	425	320	270	250	244	240	0.18	0.18	0.04					

Long Time Settings Ir = 0.8, 0.9, 1

Short Time Settings 16 to 160A Im = fixed

200 & 250A Im = 5, 6, 7, 8, 9, 10 x Nominal rating

TRIPCA2-MOTOR 18/03/2004

Square D - Time current data for 3 pole Circuit Breakers 50kA

Voltage to Earth @ Vac = 230

Item	Catalogue Number also CNLE	Short Time Setting (Im)	Long Time Setting (Ir)	Thermal Setting A	Disconnection Time in seconds (S)																	Zs ohm @		R2	Short Circuit level (kA)				
					0.01	0.4	0.6	1	2	3	5	10	20	40	60	100	200	500	1000	2000	5000	10000	230		Vac	10	20	50	
					Disconnection Current (A)																	5s	0.4s		Ohms	I²t (x1000)			
1	CHAE34016	Fixed	1	16	190	190	190	190	149	125	100	73	56	44	39	33	27	22.8	21	20	19.5	19	2.30	1.21	0.50	520	700	750	
			0.9	14	190	190	190	171	134	112	90	66	50	40	35	30	24	21	19	18	18	17	2.56	1.21	0.56				
			0.8	13	190	190	190	152	119	100	80	58	45	35	31	26	22	18	17	16	16	15	2.88	1.21	0.63				
2	CHAE34025	Fixed	1	25	300	300	300	300	211	175	138	100	76	60	54	48	41	36	33	31	30.5	30	1.67	0.77	0.36	520	700	750	
			0.9	23	300	300	300	270	190	158	124	90	69	54	48	43	37	32	29	28	27.5	27	1.86	0.77	0.40				
			0.8	20	300	300	300	240	169	140	110	80	61	48	43	38	33	29	26	25	24.4	24	2.09	0.77	0.45				
3	CHAE34032	Fixed	1	32	400	400	400	400	280	224	173	128	98	77	69	61	53	46	42	40	39	38	1.33	0.58	0.29	520	700	750	
			0.9	29	400	400	400	360	252	202	156	115	88	69	62	55	48	41	37	36	35.1	35	1.48	0.58	0.32				
			0.8	26	400	400	400	320	224	179	138	102	78	61	55	49	42	36	33	32	31.2	31	1.66	0.58	0.36				
4	CHAE34040	Fixed	1	40	500	500	500	500	350	280	216	160	122	96	86	76	66	57	52	50	48.8	48	1.06	0.46	0.23	520	700	750	
			0.9	36	500	500	500	450	315	252	194	144	110	86	77	68	59	51	47	45	44	43	1.18	0.46	0.26				
			0.8	32	500	500	500	400	280	224	173	128	98	77	69	61	53	46	42	40	39	38	1.33	0.46	0.29				
5	CHAE34050	Fixed	1	50	500	500	500	500	430	350	270	200	153	120	108	95	83	71	65	63	61	60	0.85	0.46	0.19	520	700	750	
			0.9	45	500	500	500	450	387	315	243	180	137	108	97	86	74	64	59	56	55	54	0.95	0.46	0.21				
			0.8	40	500	500	500	400	344	280	216	160	122	96	86	76	66	57	52	50	49	48	1.06	0.46	0.23				
6	CHAE34063	Fixed	1	63	500	500	500	500	500	423	340	252	192	151	135	120	105	90	82	79	77	76	0.68	0.46	0.15	520	700	750	
			0.9	57	500	500	500	500	450	381	306	227	173	136	122	108	95	81	74	71	69	68	0.75	0.46	0.16				
			0.8	50	500	500	500	500	400	339	272	202	154	121	108	96	84	72	66	63	61	60	0.85	0.46	0.18				
7	CHAE34080	Fixed	1	80	640	640	640	640	640	640	640	640	456	324	270	224	180	140	120	106	98	96	0.36	0.36	0.08	520	700	750	
			0.9	72	640	640	640	640	640	640	640	640	576	410	292	243	202	162	126	108	96	88	86	0.36	0.36				0.08
			0.8	64	640	640	640	640	640	640	640	640	512	365	259	216	179	144	112	96	85	78	77	0.36	0.36				0.08
8	CHAE34100	Fixed	1	100	800	800	800	800	800	800	800	800	570	405	338	280	225	175	150	133	122	120	0.29	0.29	0.06	520	700	750	
			0.9	90	800	800	800	800	800	800	800	800	720	513	365	304	252	203	158	135	120	110	108	0.29	0.29				0.06
			0.8	80	800	800	800	800	800	800	800	800	640	456	324	270	224	180	140	120	106	98	96	0.29	0.29				0.06

Square D - Time current data for 3 pole Circuit Breakers 50kA

Item	Catalogue Number also CNLE	Short Time Setting (I _m)	Long Time Setting (I _r)	Thermal Setting A	Disconnection Time in seconds (S)																	Zs ohm @		R2	Short Circuit level (kA)				
					0.015	0.4	1	2	3	6	10	20	30	40	60	100	200	500	1000	2000	5000	10000	230		Vac	10	20	50	
					Disconnection Current (A)																	5s	0.4s		Ohms	I ² t (x1000)			
1	CHAE34125	Fixed	1	125	1250	1250	1250	1250	1250	1250	1250	781	625	531	438	344	266	200	170	156	153	150	0.18	0.18	0.04	520	700	750	
			0.9	113	1250	1250	1250	1250	1250	1250	1250	1125	703	563	478	394	309	239	180	153	141	137	135	0.18	0.18				0.04
			0.8	100	1250	1250	1250	1250	1250	1250	980	625	500	425	350	275	213	160	136	125	122	120	0.18	0.18	0.05				
2	CHAE34160	Fixed	1	160	1250	1250	1250	1250	1250	1250	1250	960	780	680	560	440	340	256	216	200	195	192	0.18	0.18	0.04	520	700	750	
			0.9	144	1250	1250	1250	1250	1250	1250	1125	864	702	612	504	396	306	230	194	180	176	173	0.18	0.18	0.04				
			0.8	128	1250	1250	1250	1250	1250	1250	1000	768	624	544	448	352	272	205	173	160	156	154	0.18	0.18	0.05				
3	CHAE34200	10	1	200	2000	2000	2000	2000	2000	2000	2000	1275	1000	850	700	550	425	320	270	250	244	240	0.12	0.12	0.03	520	700	750	
		8	0.9	180	1600	1600	1600	1600	1600	1600	1600	1600	1600	900	765	630	495	383	288	243	225	220	216	0.14	0.14				0.03
		5	0.8	160	1000	1000	1000	1000	1000	1000	1000	1000	1000	800	680	560	440	340	256	216	200	195	192	0.23	0.23				0.05
4	CHAE34250	10	1	250	2500	2500	2500	2500	2500	2500	2500	1594	1250	1063	875	688	531	400	338	313	305	300	0.09	0.09	0.02	520	700	750	
		8	0.9	225	2000	2000	2000	2000	2000	2000	2000	2000	1600	1125	956	788	619	478	360	304	281	275	270	0.12	0.12				0.03
		5	0.8	200	1250	1250	1250	1250	1250	1250	1250	1250	1000	850	700	550	425	320	270	250	244	240	0.18	0.18	0.04				

Long Time Settings Ir = 0.8, 0.9, 1

Short Time Settings = 16 & 160A Im = fixed

200 & 250A Im = 5, 6, 7, 8, 9, 10 x Nominal rating

TRIPCA2-MOTOR 18/03/2004

Square D Circuit Breaker Application Data



Earth fault loop impedance (Zs) for final circuits supplying fixed equipment, disconnection occurs within 5 seconds

For final circuits supplying socket outlets, disconnection occurs within 0.4 of a second.

Values of I^2t Let through Energy x 1000

Square D - Time current data for ELECTRONIC Circuit Breakers 36kA

Voltage to Earth @ Vac = 230

Item	Catalogue Number also CNLE	Short Time Setting (I _m)	Long Time Setting (I _r x I _o)	Thermal Setting A	Disconnection Time in seconds (S)																	Zs ohm @ 230 Vac		R2 Ohms	Short Circuit level (kA)				
					0.015	0.4	1	2	3	5	10	20	30	40	60	100	200	500	1000	2000	5000	10000	10		20	36			
					Disconnection Current (A)																	5s	0.4s		I ² t (x1000)				
1	CNAE34160E20	10	1	160	1600	1600	1600	1600	1360	1040	745	520	440	384	320	260	227	208	200	195	193	192	0.22	0.14	0.07	520	700	730	
		8	0.9	144	1152	1152	1152	1152	936	670	468	396	346	288	234	204	187	180	176	174	173	0.25	0.20	0.07					
		6	0.8	128	768	768	768	768	768	596	416	352	307	256	208	182	166	160	156	154	154	0.30	0.30	0.08					
		5	0.7	112	560	560	560	560	560	521	364	308	269	224	182	159	146	140	137	135	134	0.41	0.41	0.10					
		4	0.6	96	384	384	384	384	384	384	312	264	230	192	156	136	125	120	117	116	115	0.60	0.60	0.13					
		3	0.5	80	240	240	240	240	240	240	240	240	220	192	160	130	114	104	100	98	96.4	96	0.96	0.96	0.21				
		2	0.4	64	128	128	128	128	128	128	128	128	128	128	128	104	91	83	80	78	77.1	76.8	1.80	1.80	0.39				
2	CNAE34250E20	10	1	250	2500	2500	2500	2500	2100	1625	1180	813	688	600	500	406	355	325	313	305	301	300	0.14	0.09	0.04	520	700	730	
		8	0.9	225	1800	1800	1800	1800	1800	1463	1062	731	619	540	450	366	320	293	281	275	271	270	0.16	0.13	0.05				
		6	0.8	200	1200	1200	1200	1200	1200	1200	944	650	550	480	400	325	284	260	250	244	241	240	0.19	0.19	0.05				
		5	0.7	175	875	875	875	875	875	875	826	569	481	420	350	284	249	228	219	214	211	210	0.26	0.26	0.06				
		4	0.6	150	600	600	600	600	600	600	600	488	413	360	300	244	213	195	188	183	181	180	0.38	0.38	0.08				
		3	0.5	125	375	375	375	375	375	375	375	375	375	344	300	250	203	178	163	156	153	151	150	0.61	0.61				0.13
		2	0.4	100	200	200	200	200	200	200	200	200	200	200	200	163	142	130	125	122	121	120	1.15	1.15	0.25				

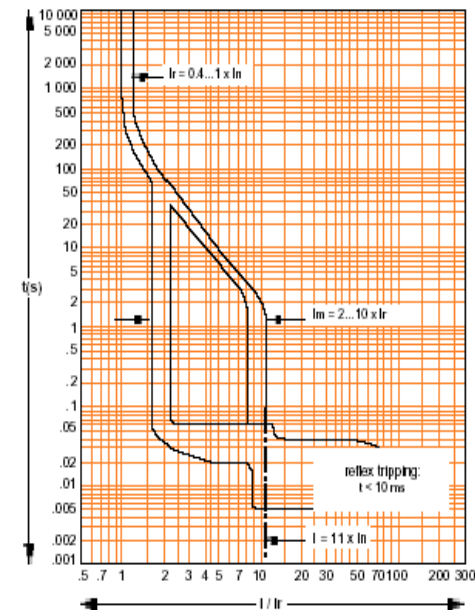
Long Time Settings

$I_r = 0.8, 0.85, 0.88, 0.9, 0.93, 0.95, 0.98, 1$

$I_o = 0.5, 0.63, 0.7, 0.8, 0.9, 1$

Short Time Settings

$I_m = 2, 3, 4, 5, 6, 7, 8, 10 \times$ long time setting



Square D Circuit Breaker Application Data



Earth fault loop impedance (Zs) for final circuits supplying fixed equipment, disconnection occurs within 5 seconds

For final circuits supplying socket outlets, disconnection occurs within 0.4 of a second.

Values of I²t Let through Energy x 1000

Square D - Time current data for ELECTRONIC Circuit Breakers 50kA

Voltage to Earth @ Vac = 230

Item	Catalogue Number	Short Time Setting (Im)	Long Time Setting (IrxIo)	Thermal Setting A	Disconnection Time in seconds (S)																Zs ohm @ 230 Vac		R2	Short Circuit level (kA)					
					0.015	0.4	1	2	3	5	10	20	30	40	60	100	200	500	1000	2000	5000	10000		5s	0.4s	Ohms	10	20	50
					Disconnection Current (A)																I²t (x1000)								
1	CHLE34160E20	10	1	160	1600	1600	1600	1600	1360	1040	745	520	440	384	320	260	227	208	200	195	193	192	0.22	0.14	0.05	520	700	750	
		8	0.9	144	1152	1152	1152	1152	936	670	468	396	346	288	234	204	187	180	176	174	173	0.25	0.20	0.05					
		6	0.8	128	768	768	768	768	768	596	416	352	307	256	208	182	166	160	156	154	154	0.30	0.30	0.07					
		5	0.7	112	560	560	560	560	560	521	364	308	269	224	182	159	146	140	137	135	134	0.41	0.41	0.09					
		4	0.6	96	384	384	384	384	384	384	312	264	230	192	156	136	125	120	117	116	115	0.60	0.60	0.13					
		3	0.5	80	240	240	240	240	240	240	240	240	220	192	160	130	114	104	100	98	96.4	96	0.96	0.96	0.21				
		2	0.4	64	128	128	128	128	128	128	128	128	128	128	128	104	91	83	80	78	77.1	76.8	1.80	1.80	0.39				
2	CHLE34250E20	10	1	250	2500	2500	2500	2500	2100	1625	1180	813	688	600	500	406	355	325	313	305	301	300	0.14	0.09	0.03	520	700	750	
		8	0.9	225	1800	1800	1800	1800	1800	1463	1062	731	619	540	450	366	320	293	281	275	271	270	0.16	0.13	0.03				
		6	0.8	200	1200	1200	1200	1200	1200	1200	944	650	550	480	400	325	284	260	250	244	241	240	0.19	0.19	0.04				
		5	0.7	175	875	875	875	875	875	875	826	569	481	420	350	284	249	228	219	214	211	210	0.26	0.26	0.06				
		4	0.6	150	600	600	600	600	600	600	600	488	413	360	300	244	213	195	188	183	181	180	0.38	0.38	0.08				
		3	0.5	125	375	375	375	375	375	375	375	375	344	300	250	203	178	163	156	153	151	150	0.61	0.61	0.13				
		2	0.4	100	200	200	200	200	200	200	200	200	200	200	200	163	142	130	125	122	121	120	1.15	1.15	0.25				
3	DHLE34400	10	1	400	4000	4000	4000	4000	3200	2600	1800	1320	1100	980	800	650	568	520	500	488	482	480	0.09	0.06	0.02	1700	2700	3100	
		8	0.9	360	2880	2880	2880	2880	2880	2340	1620	1188	990	882	720	585	511	468	450	439	434	432	0.10	0.08	0.02				
		6	0.8	320	1920	1920	1920	1920	1920	1920	1440	1056	880	784	640	520	454	416	400	390	386	384	0.12	0.12	0.03				
		5	0.7	280	1400	1400	1400	1400	1400	1400	1260	924	770	686	560	455	398	364	350	342	337	336	0.16	0.16	0.04				
		4	0.6	240	960	960	960	960	960	960	960	792	660	588	480	390	341	312	300	293	289	288	0.24	0.24	0.05				
		3	0.5	200	600	600	600	600	600	600	600	600	550	490	400	325	284	260	250	244	241	240	0.38	0.38	0.08				
		2	0.4	160	320	320	320	320	320	320	320	320	320	320	320	260	227	208	200	195	193	192	0.72	0.72	0.16				
4	DHLE34630	10	1	630	6300	6300	6300	6300	5040	4095	2835	2079	1733	1544	1260	1024	895	819	788	769	759	756	0.06	0.04	0.01	1700	2700	3100	
		8	0.9	567	4536	4536	4536	4536	4536	3686	2552	1871	1559	1389	1134	921	805	737	709	692	683	680	0.06	0.05	0.01				
		6	0.8	504	3024	3024	3024	3024	3024	3024	2268	1663	1386	1235	1008	819	716	655	630	615	607	605	0.08	0.08	0.02				
		5	0.7	441	2205	2205	2205	2205	2205	2205	1985	1455	1213	1080	882	717	626	573	551	538	531	529	0.10	0.10	0.02				
		4	0.6	378	1512	1512	1512	1512	1512	1512	1512	1247	1040	926	756	614	537	491	473	461	455	454	0.15	0.15	0.03				
		3	0.5	315	945	945	945	945	945	945	945	945	866	772	630	512	447	410	394	384	380	378	0.24	0.24	0.05				
		2	0.4	252	504	504	504	504	504	504	504	504	504	504	504	410	358	328	315	307	304	302	0.46	0.46	0.10				

Long Time Settings

Ir = 0.8, 0.85, 0.88, 0.9, 0.93, 0.95, 0.98, 1

Io = 0.5, 0.63, 0.7, 0.8, 0.9, 1

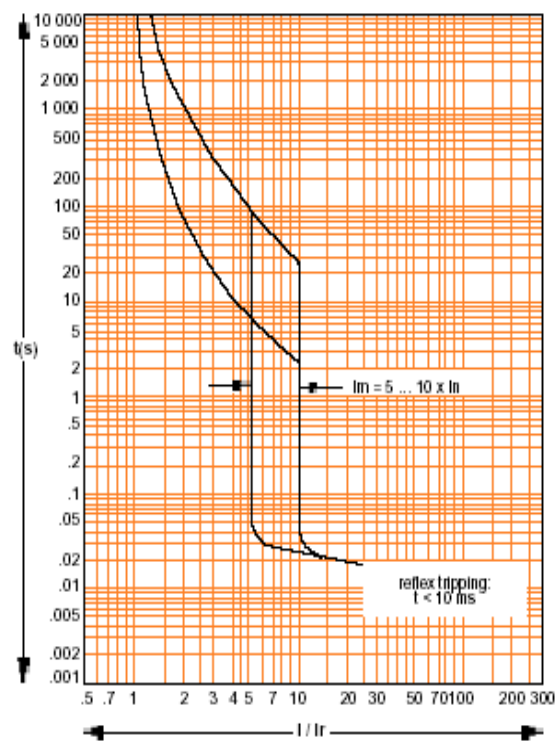
Short Time Settings

Im = 2, 3, 4, 5, 6, 7, 8, 10 x long time setting

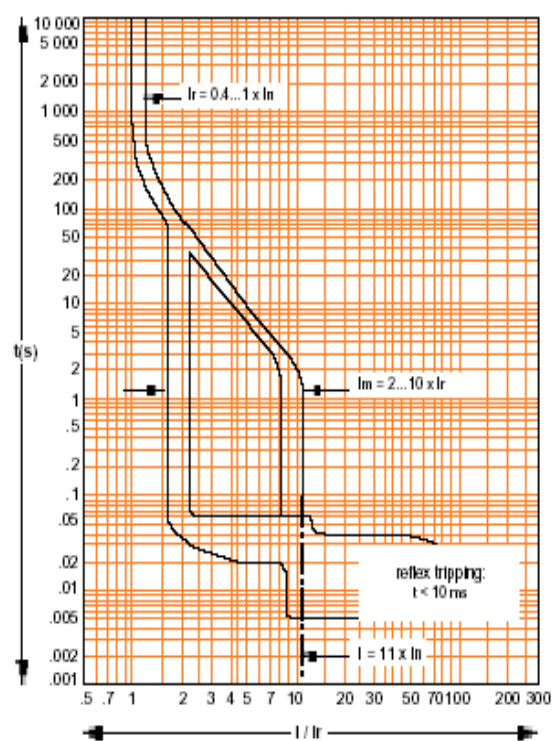
TRIPCA2-MOTOR 18/03/2004

Square D Circuit Breaker Application Data

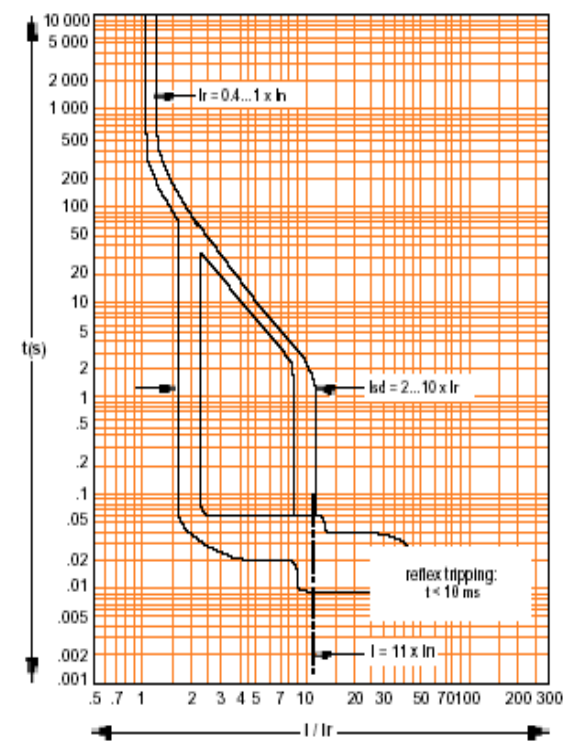




CNAE34200
CNAE34250
CHAE34200
CHAE34250



CNAE34160E20
CNAE34250E20
CHLE34160E20
CHLE34250E20



DHLE34400
DHLE34630