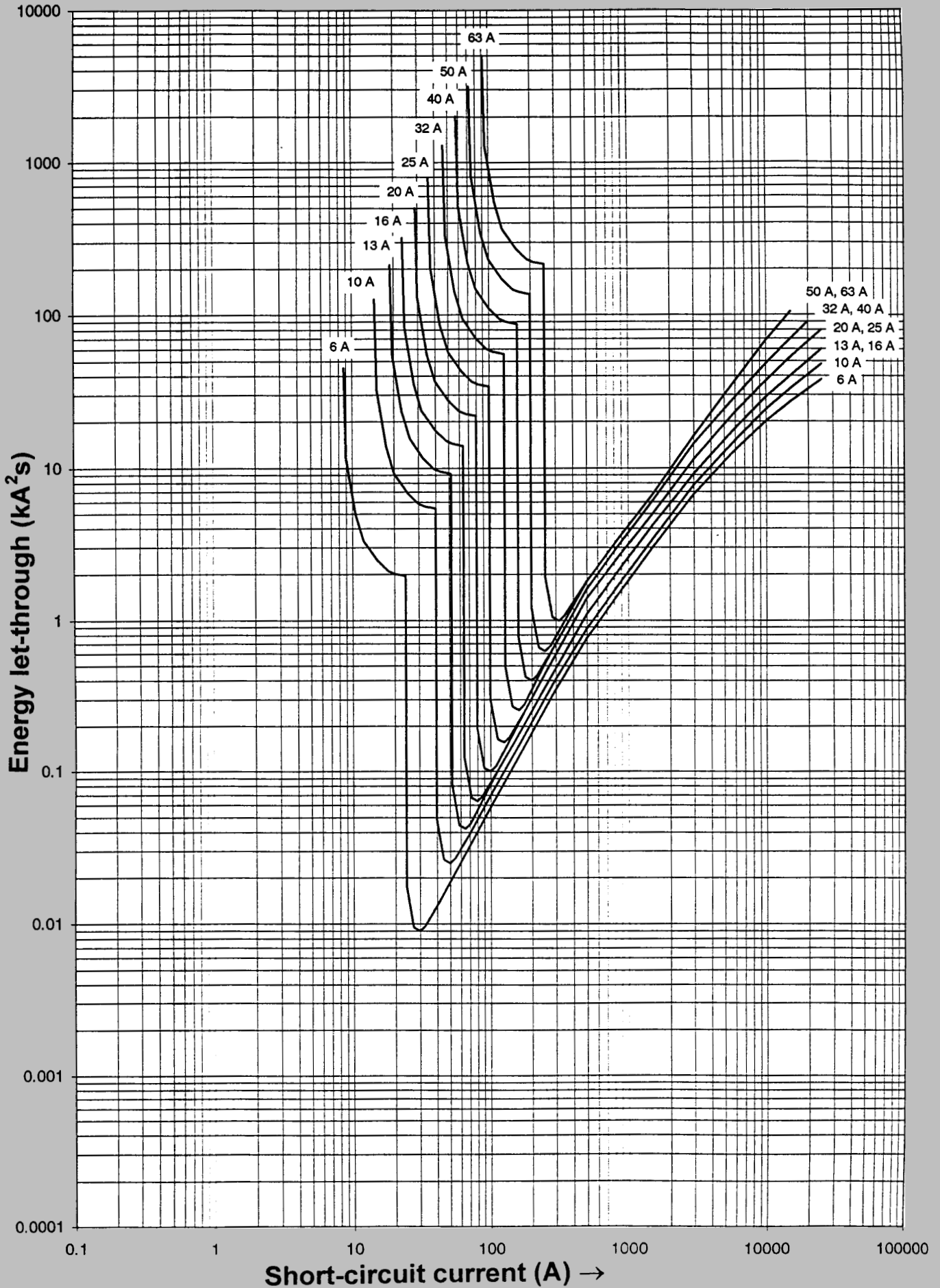


B curve circuit breaker energy let-through values																						
6A	I _{SC} (A)	8.7	9	10.5	12	15	18	20.1	24	24	27	30	33	42	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	45.41	11.66	4.961	3.312	2.475	2.106	2.02	1.9584	0.0173	0.0095	0.009	0.0098	0.0141	0.35	0.76	3	6.7	13	20	27	38
10A	I _{SC} (A)	14.5	15	17.5	20	25	30	33.5	40	40	45	50	55	70	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	126.2	32.4	13.78	9.2	6.875	5.85	5.611	5.44	0.048	0.0263	0.025	0.0272	0.0392	0.41	0.88	3.4	7.7	15	24	33	48
13A	I _{SC} (A)	18.85	19.5	22.75	26	32.5	39	43.55	52	52	58.5	65	71.5	112	500	1500	3000	6000	10000	15000	25000	
	I ² t (KA ² S)	213.2	54.76	23.29	15.55	11.62	9.887	9.483	9.1936	0.0811	0.0445	0.0423	0.046	0.1004	1.1	4.2	9.1	18	29	40	60	
16A	I _{SC} (A)	23.2	24	28	32	40	48	53.6	64	64	72	80	88	112	500	1500	3000	6000	10000	15000	25000	
	I ² t (KA ² S)	322.9	82.94	35.28	23.55	17.6	14.98	14.36	13.926	0.1229	0.0674	0.064	0.0697	0.1004	1.1	4.2	9.1	18	29	40	60	
20A	I _{SC} (A)	29	30	35	40	50	60	67	80	80	90	100	110	175	500	1500	3000	6000	10000	15000	25000	
	I ² t (KA ² S)	504.6	129.6	55.13	36.8	27.5	23.4	22.45	21.76	0.192	0.1053	0.1	0.1089	0.245	1.4	5	11.3	23	37	53	80	
25A	I _{SC} (A)	36.25	37.5	43.75	50	62.5	75	83.75	100	100	112.5	125	137.5	175	500	1500	3000	6000	10000	15000	20000	
	I ² t (KA ² S)	788.4	202.5	86.13	57.5	42.97	36.56	35.07	34	0.3	0.1645	0.1563	0.1702	0.245	1.4	5	11.3	23	37	53	67	
32A	I _{SC} (A)	46.4	48	56	64	80	96	107.2	128	128	144	160	176	280	500	1500	3000	6000	10000	15000	20000	
	I ² t (KA ² S)	1292	33.1.8	141.1	94.21	70.4	59.9	57.706	55.706	0.4915	0.2696	0.256	0.2788	0.6272	1.6	6.1	14.3	29	48	70	90	
40A	I _{SC} (A)	58	60	70	80	100	120	134	160	160	180	200	220	280	500	1500	3000	6000	10000	15000	20000	
	I ² t (KA ² S)	2018	518.4	220.5	147.2	110	93.6	89.78	87.04	0.768	0.4212	0.4	0.4356	0.6272	1.6	6.1	14.3	29	48	70	90	
50A	I _{SC} (A)	72.5	75	87.5	100	125	150	167.5	200	200	225	250	275	500	1500	3000	6000	10000	15000			
	I ² t (KA ² S)	3154	810	344.5	230	171.9	146.3	140.3	136	1.2	0.6581	0.625	0.6806	1.8	6.7	16	37	68	105			
63A	I _{SC} (A)	91.35	94.5	110.3	126	157.5	189	211.1	252	252	283.5	315	346.5	500	1500	3000	6000	10000	15000			
	I ² t (KA ² S)	5007	1286	547	365.1	272.9	232.2	222.7	215.91	1.9051	1.0448	0.9923	1.0806	1.8	6.7	16	37	68	105			

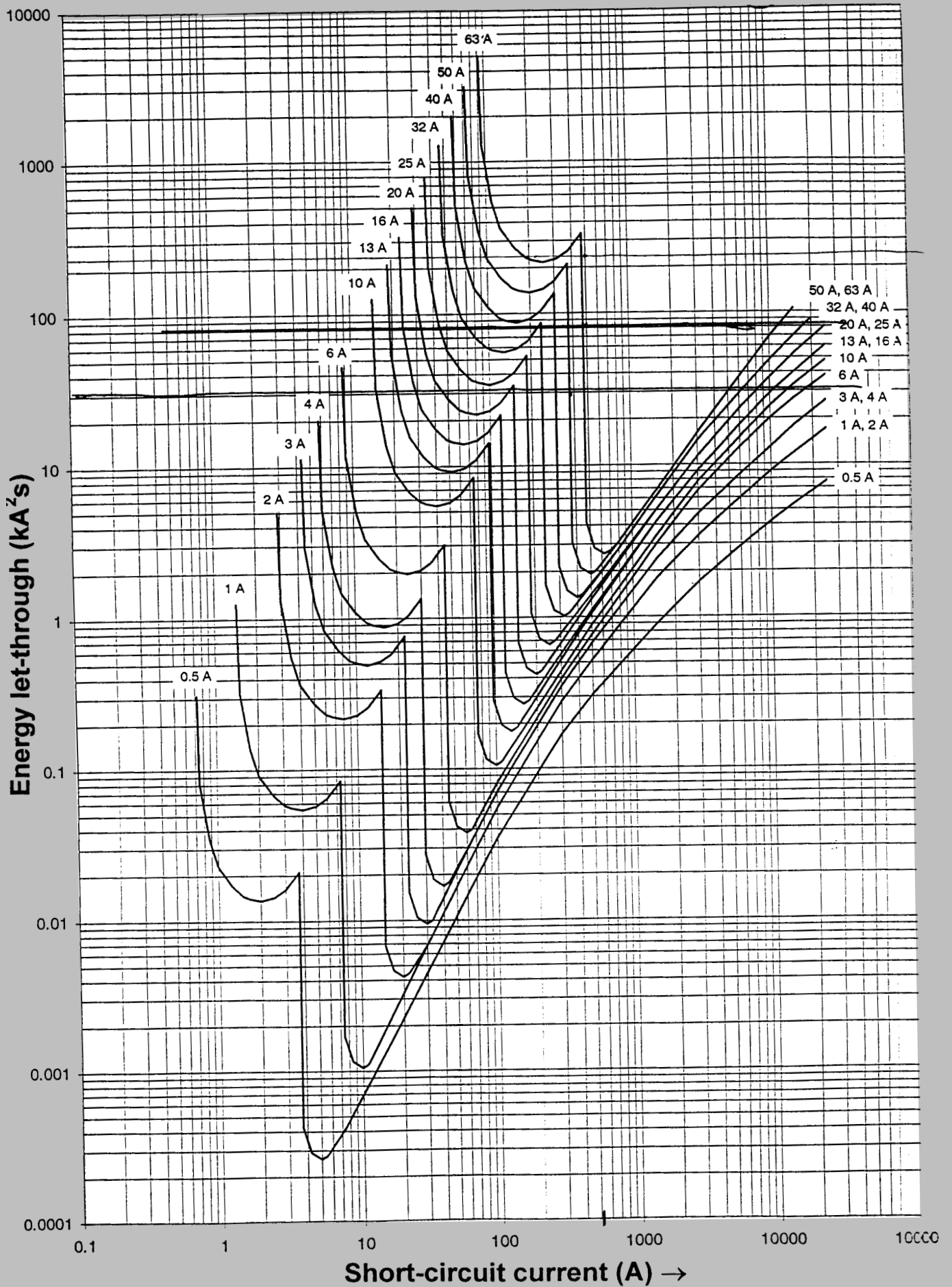
BS EN 60898 B Curve / Energy let-through at 400V



C curve circuit breaker energy let-through values

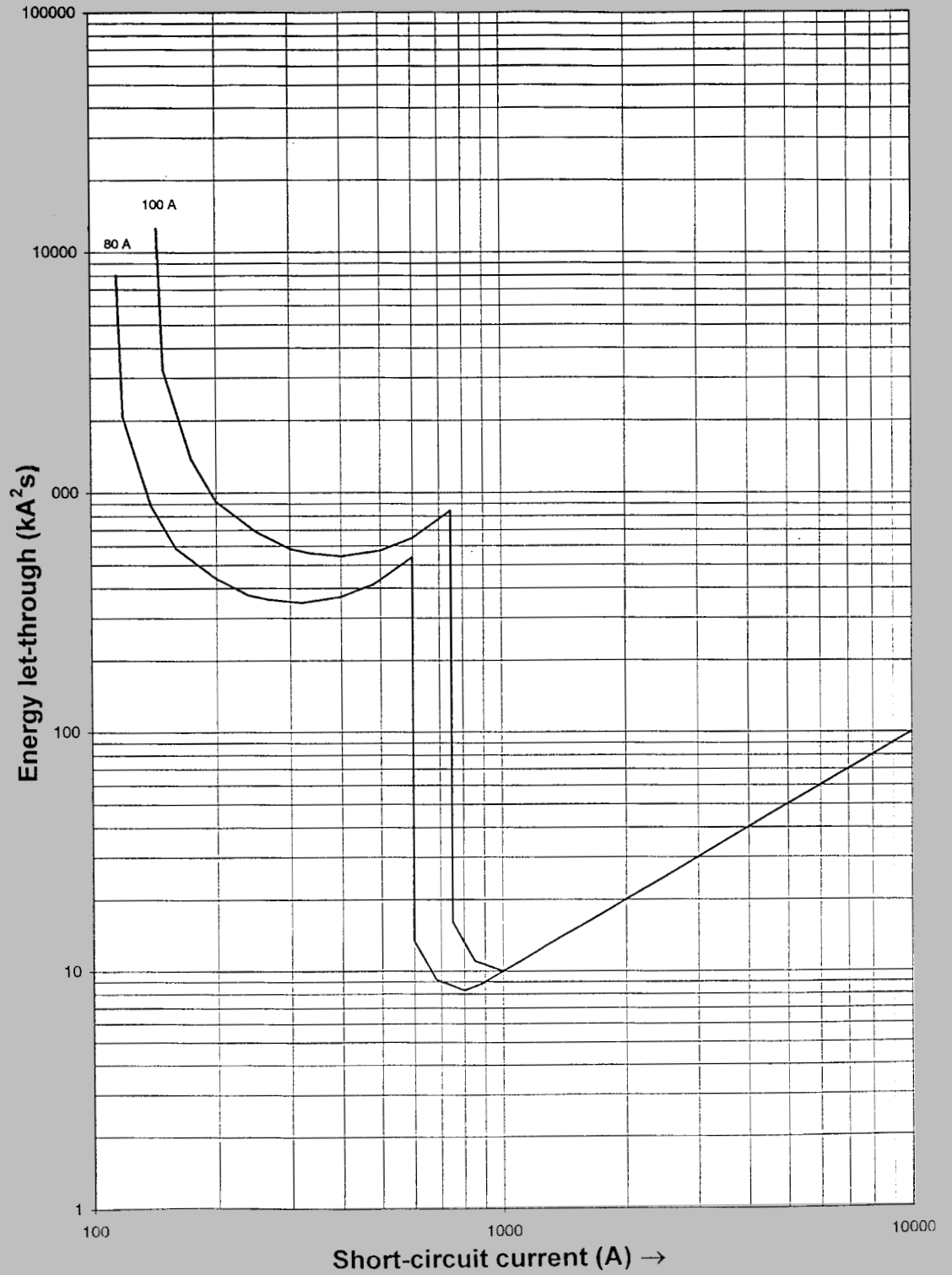
0.5A	I _{SC} (A)	0.725	0.75	0.875	1	1.25	1.5	1.675	2	2.5	3	3.75	3.75	4.25	5	5.5	7.5	100	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	0.315	0.081	0.034	0.023	0.017	0.015	0.014	0.0136	0.0144	0.0162	0.0211	0.0004	0.0003	0.0003	0.0003	0.0004	0.035	0.17	0.31	0.9	1.7	2.9	4.2	5.5	7.7
1A	I _{SC} (A)	1.45	1.5	1.75	2	2.5	3	3.35	4	5	6	7.5	7.5	8.5	10	11	30	100	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	1.262	0.324	0.138	0.092	0.069	0.059	0.056	0.0544	0.0575	0.0648	0.0844	0.0017	0.0012	0.0011	0.0011	0.0068	0.0055	0.28	0.52	1.8	3.4	6	9	12	17
2A	I _{SC} (A)	2.9	3	3.5	4	5	6	6.7	8	10	12	15	15	17	20	22	30	100	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	5.046	1.296	0.551	0.368	0.275	0.234	0.224	0.2176	0.23	0.2592	0.3375	0.0068	0.0046	0.0042	0.0045	0.0068	0.0055	0.28	0.52	1.8	3.4	6	9	12	17
3A	I _{SC} (A)	4.35	4.5	5.25	6	7.5	9	10.05	12	15	18	22.5	22.5	25.5	30	33	60	100	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	11.35	2.916	1.24	0.828	0.619	0.527	0.505	0.4896	0.5175	0.5832	0.7594	0.0152	0.0104	0.0095	0.01	0.029	0.07	0.35	0.67	2.4	4.7	8.6	13	18	26
4A	I _{SC} (A)	5.8	6	7	8	10	12	13.4	16	20	24	30	30	34	40	44	60	100	300	500	1500	3000	6000	10000	15000	25000
	I ² t (KA ² S)	20.18	5.184	2.205	1.472	1.1	0.936	0.898	0.8704	0.92	1.0368	1.35	0.027	0.0185	0.0168	0.0178	0.029	0.07	0.35	0.67	2.4	4.7	8.6	13	18	26
6A	I _{SC} (A)	8.7	9	10.5	12	15	18	20.1	24	30	36	45	45	51	60	66	100	300	500	1500	3000	6000	10000	15000	25000	
	I ² t (KA ² S)	45.41	11.66	4.961	3.312	2.475	2.106	2.02	1.9584	2.07	2.3328	3.0375	0.0608	0.0416	0.0378	0.0401	0.08	0.39	0.76	3	6.7	13	20	27	38	
10A	I _{SC} (A)	14.5	15	17.5	20	25	30	33.5	40	50	60	75	75	85	100	110	150	500	1500	3000	6000	10000	15000	25000		
	I ² t (KA ² S)	126.2	32.4	13.78	9.2	6.875	5.85	5.611	5.44	5.75	6.48	8.4375	0.1688	0.1156	0.105	0.1113	0.17	0.88	3.4	7.7	15	24	33	48		
13A	I _{SC} (A)	18.85	19.5	22.75	26	32.5	39	43.55	52	65	78	97.5	97.5	110.5	130	143	195	500	1500	3000	6000	10000	15000	25000		
	I ² t (KA ² S)	213.2	54.76	23.29	15.55	11.62	9.887	9.483	9.1936	9.7175	10.951	14.259	0.2852	0.1954	0.1775	0.1881	0.2873	1.05	4.2	9.1	18	29	40	60		
16A	I _{SC} (A)	23.2	24	28	32	40	48	53.6	64	80	96	120	120	136	160	176	500	1500	3000	6000	10000	15000	25000			
	I ² t (KA ² S)	322.9	82.94	35.28	23.55	17.6	14.98	14.36	13.926	14.72	16.589	21.6	0.432	0.2959	0.2688	0.285	1.1	4.2	9.1	18	29	40	60			
20A	I _{SC} (A)	29	30	35	40	50	60	67	80	100	120	150	150	170	200	220	500	1500	3000	6000	10000	15000	25000			
	I ² t (KA ² S)	504.6	129.6	55.13	36.8	27.5	23.4	22.45	21.76	23	25.92	33.75	0.675	0.4624	0.42	0.4453	1.3	5	11.3	23	37	53	80			
25A	I _{SC} (A)	36.25	37.5	43.75	50	62.5	75	83.75	100	125	150	187.5	187.5	215.5	250	275	500	1500	3000	6000	10000	15000	20000			
	I ² t (KA ² S)	788.4	202.5	86.13	57.5	42.97	36.56	35.07	34	35.938	40.5	52.734	1.0547	0.7225	0.6563	0.6958	1.4	5	11.3	23	37	53	67			
32A	I _{SC} (A)	46.4	48	56	64	80	96	107.2	128	160	192	240	240	272	320	352	800	1500	3000	6000	10000	15000	20000			
	I ² t (KA ² S)	1292	331.8	141.1	94.21	70.4	59.9	57.460	55.706	58.88	63.355	86.4	1.62	1.11	1.01	1.07	2.8	6.1	14.3	29	48	70	90			
40A	I _{SC} (A)	58	60	70	80	100	120	134	160	200	240	300	300	340	400	440	800	1500	3000	6000	10000	15000	20000			
	I ² t (KA ² S)	2018	518.4	220.5	147.2	110	93.6	89.78	87.04	92	103.68	135	2.15	1.48	1.34	1.42	2.8	6.1	14.3	29	48	70	90			
50A	I _{SC} (A)	72.5	75	87.5	100	125	150	167.5	200	250	300	375	375	425	500	550	800	1500	3000	6000	10000	15000				
	I ² t (KA ² S)	3154	810	344.5	230	171.9	146.3	140.3	136	143.75	162	210.94	3.06	2.1	1.91	2.02	3.1	6.7	16	37	68	105				
63A	I _{SC} (A)	91.35	94.5	110.3	126	157.5	189	211.1	252	315	378	472.5	472.5	535.5	630	693	800	1500	3000	6000	10000	15000				
	I ² t (KA ² S)	5007	1286	547	365.1	272.1	232.2	222.7	215.91	228.22	257.19	334.88	4.14	2.83	2.575	2.73	3.1	6.7	16	37	68	105				

BS EN 60898 C Curve / Energy let-through at 400V



C curve NM circuit breaker energy let-through values

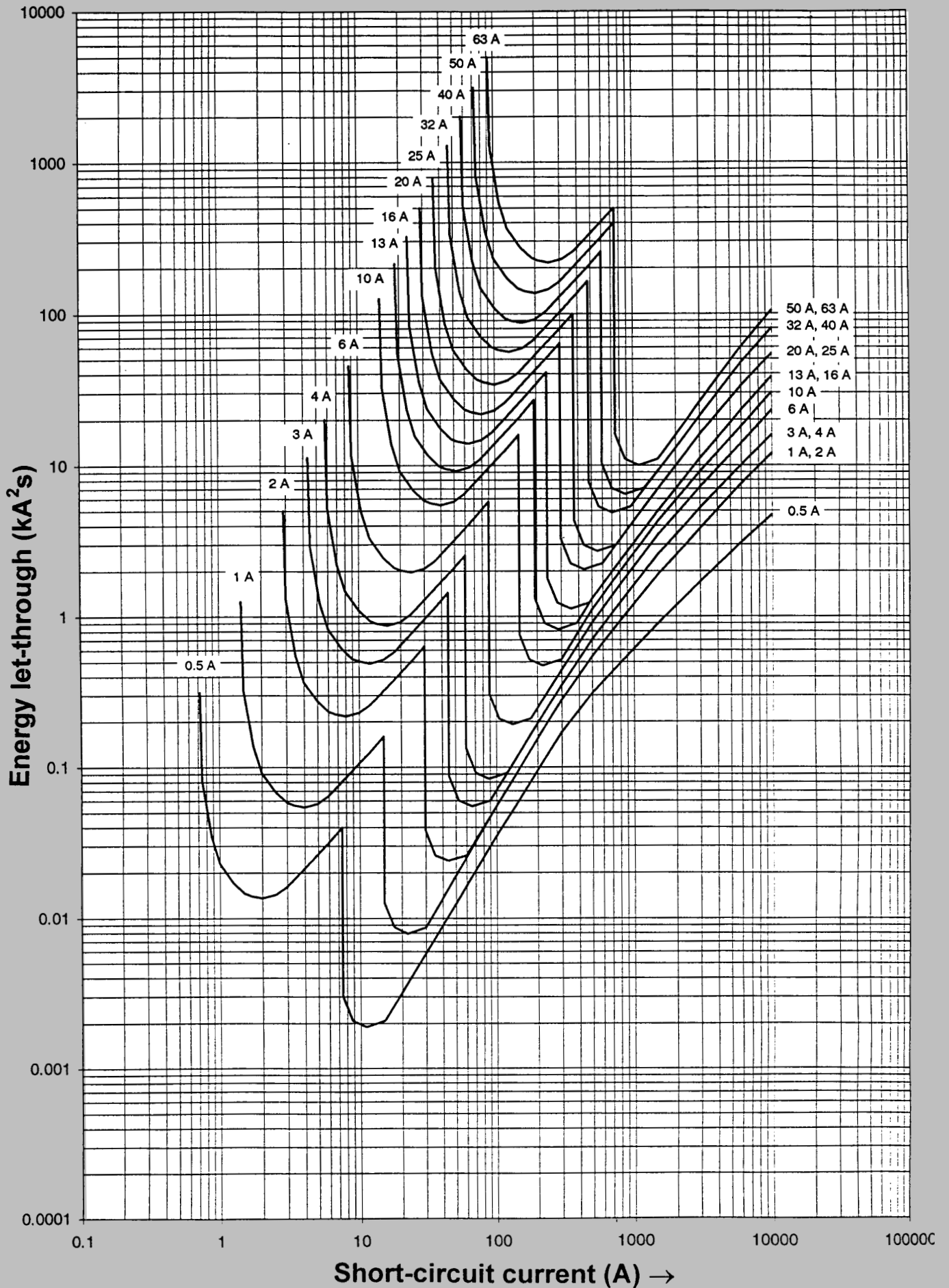
80A	I _{sc} (A)	116	120	140	160	200	240	268	320	400	480	600	600	600	680	800	880	1000	1500	3000	4500	6000	10000
	I ^t (KA ² S)	8073.6	2073.6	882	588.8	440	374.4	359.12	348.16	368	414.72	540	540	540	13.4	9.2	8.3	10	15	30	45	60	100
100A	I _{sc} (A)	145	150	175	200	250	300	335	400	500	600	750	750	850	1000	1500	3000	4500	6000	10000			
	I ^t (KA ² S)	12615	3240	1378.1	920	687.5	585	561.13	544	575	648	843.75	843.75	16.1	11	10	15	30	45	60	100		



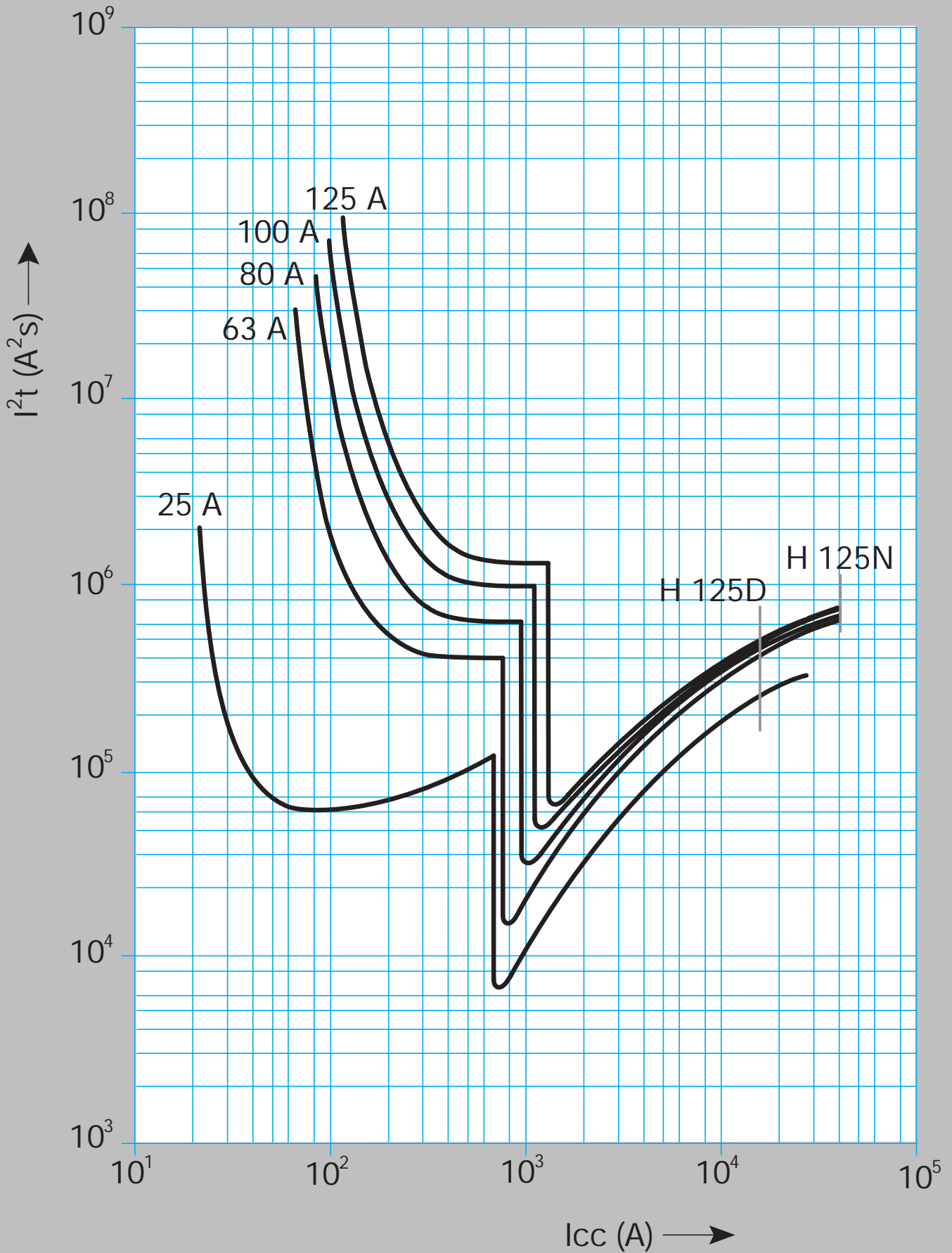
D curve circuit breaker energy let-through values

0.5A	I _{SC} (A)	0.725	0.75	0.875	1	1.25	1.5	1.675	2	2.5	3	6	7.5	7.5	8.8	11	15	100	300	500	1500	3000	6000	10000
	I ² t (KA ² S)	0.315	0.081	0.034	0.023	0.017	0.015	0.014	0.014	0.014	0.016	0.032	0.04	0.0030	0.0021	0.0020	0.021	0.035	0.17	0.31	0.9	1.7	3.1	4.7
1A	I _{SC} (A)	1.45	1.5	1.75	2	2.5	3	3.35	4	5	6	12	15	15	17.6	22	30	100	300	500	1500	3000	6000	100
	I ² t (KA ² S)	1.262	0.324	0.138	0.092	0.069	0.059	0.056	0.054	0.058	0.065	0.127	0.16	0.0126	0.0087	0.0079	0.0087	0.055	0.28	0.54	1.9	3.8	7.5	12
2A	I _{SC} (A)	2.9	3	3.5	4	5	6	6.7	8	10	12	24	30	30	35.2	44	60	100	300	500	1500	3000	6000	10000
	I ² t (KA ² S)	5.046	1.296	0.551	0.368	0.275	0.234	0.224	0.218	0.23	0.259	0.507	0.639	0.038	0.026	0.024	0.026	0.055	0.28	0.54	1.9	3.8	7.5	12
3A	I _{SC} (A)	4.35	4.5	5.25	6	7.5	9	10.05	12	15	18	36	45	45	52.8	66	90	300	500	1500	3000	6000	10000	
	I ² t (KA ² S)	11.35	2.916	1.24	0.828	0.619	0.527	0.505	0.49	0.518	0.583	1.14	1.438	0.087	0.06	0.055	0.060	0.35	0.7	2.6	5.2	10	16	
4A	I _{SC} (A)	5.8	6	7	8	10	12	13.4	16	20	24	48	60	60	70.4	88	120	300	500	1500	3000	6000	10000	
	I ² t (KA ² S)	20.18	5.184	2.205	1.472	1.1	0.936	0.898	0.87	0.92	1.037	2.028	2.556	0.133	0.092	0.084	0.092	0.35	0.7	2.6	5.2	10	16	
6A	I _{SC} (A)	8.7	9	10.5	12	15	18	20.1	24	30	36	72	90	90	105.6	132	180	300	500	1500	3000	6000	10000	
	I ² t (KA ² S)	45.41	11.66	4.96	3.31	2.48	2.11	2.02	1.96	2.07	2.333	4.562	5.751	0.304	0.209	0.191	0.21	0.44	0.9	3.5	7.1	14	23	
10A	I _{SC} (A)	14.5	15	17.5	20	25	30	33.5	40	50	60	120	150	150	176	220	300	500	1500	3000	6000	10000		
	I ² t (KA ² S)	126.2	32.40	13.78	9.20	6.88	5.85	5.61	5.44	5.75	6.48	12.67	15.98	0.753	0.519	0.474	0.52	1.1	4.3	9	18	30		
13A	I _{SC} (A)	18.85	19.5	22.75	26	32.5	39	43.55	52	65	78	156	195	195	228.8	286	390	500	1500	3000	6000	10000		
	I ² t (KA ² S)	213.2	54.76	23.29	15.55	11.62	9.89	9.48	9.19	9.718	10.95	21.42	27	1.304	0.898	0.82	0.9	1.3	5	11	23	38		
16A	I _{SC} (A)	23.2	24	28	32	40	48	53.6	64	80	96	192	240	240	281.6	352	480	500	1500	3000	6000	10000		
	I ² t (KA ² S)	322.9	82.94	35.28	23.55	17.60	14.98	14.36	13.93	14.72	16.59	32.44	40.9	1.7822	1.2268	1.1204	1.23	1.3	5	11	23	38		
20A	I _{SC} (A)	29	30	35	40	50	60	67	80	100	120	240	300	300	352	440	600	750	1500	3000	6000	10000		
	I ² t (KA ² S)	504.6	129.6	55.13	36.8	27.5	23.4	22.45	21.76	23	25.92	50.69	63.9	3.26	2.244	2.05	2.25	2.97	7	16	33	54		
25A	I _{SC} (A)	36.25	37.5	43.75	50	62.5	75	83.75	100	125	150	300	375	375	440	550	750	1500	3000	6000	10000			
	I ² t (KA ² S)	788.4	202.50	86.13	57.50	42.97	36.56	35.07	34	35.94	40.5	79.2	99.84	4.303	2.962	2.705	2.97	7	16	33	54			
32A	I _{SC} (A)	46.4	48	56	64	80	96	107.2	128	160	192	384	480	480	563.2	704	960	1500	3000	6000	10000			
	I ² t (KA ² S)	1292	331.80	141.10	94.21	70.40	59.90	57.51	55.71	58.88	66.36	129.8	163.6	7.723	5.316	4.855	5.33	9.2	21	47	80			
40A	I _{SC} (A)	58	60	70	80	100	120	134	160	200	240	480	600	600	704	880	1200	1500	3000	6000	10000			
	I ² t (KA ² S)	2018	518.4	220.5	147.2	110	93.6	89.78	87.04	92	103.7	202.8	255.6	10.224	7.0377	6.4275	7.056	9.2	21	47	80			
50A	I _{SC} (A)	72.5	75	87.5	100	125	150	167.5	200	250	300	600	750	750	880	1100	1500	3000	6000	10000				
	I ² t (KA ² S)	3154	810	344.5	230	171.9	146.3	140.3	136	143.8	162	316.8	399.4	16	11	10	11	26	60	105				
63A	I _{SC} (A)	91.35	94.5	110.3	126	157.5	189	211.1	252	315	378	750	750	880	1100	1500	3000	6000	10000					
	I ² t (KA ² S)	5007	1286	547	365.1	272.9	232.2	222.7	215.91	228.2	257.2	399.4	16	11	10	11	26	60	105					

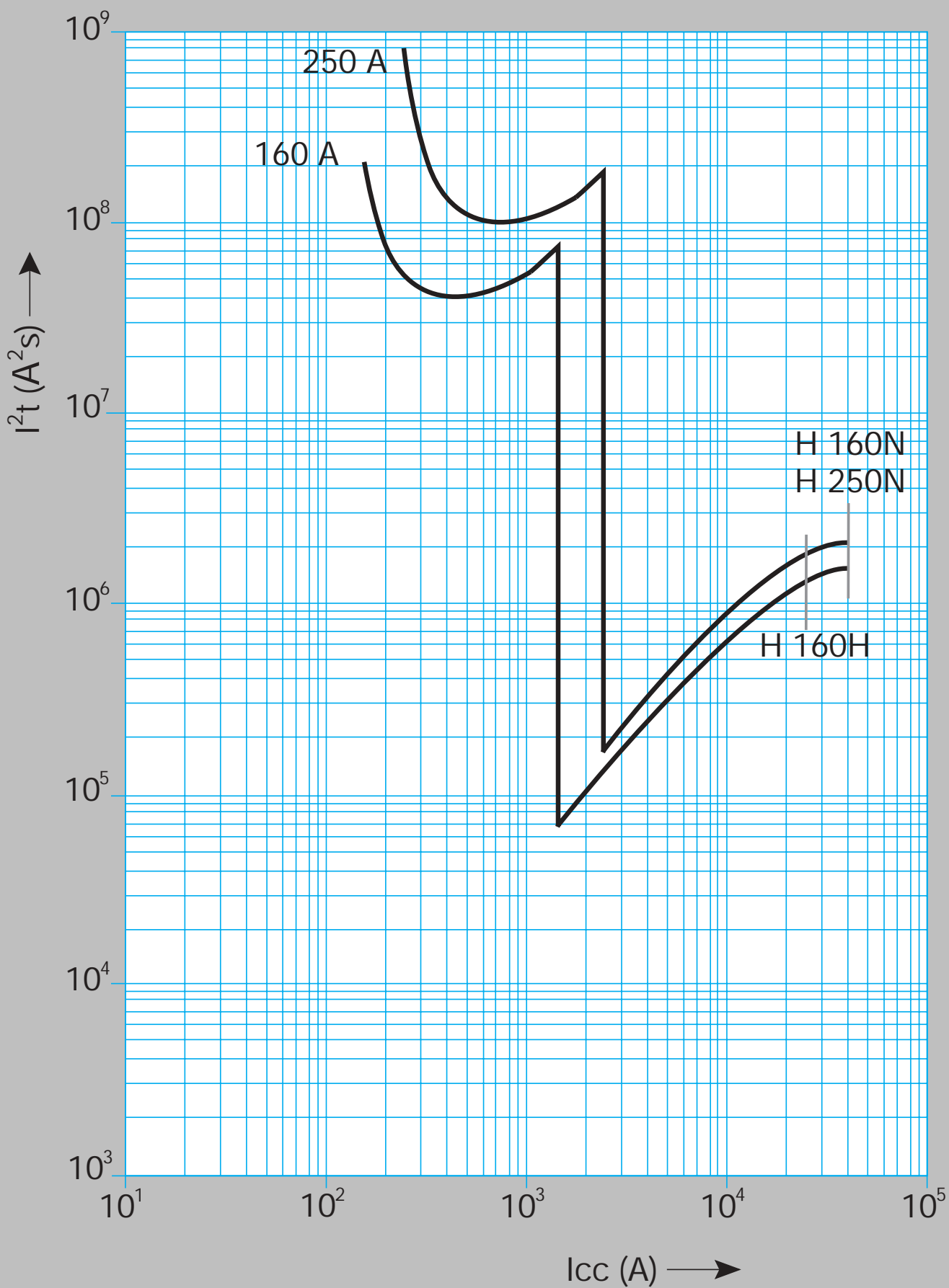
BS EN 60898 D Curve / Energy let-through at 400V



BS EN 60947-2 HN125 & HD125 frame device /
Energy let-through at 400V



BS EN 60947-2 H250 frame device / Energy let-through at 400V



BS EN 60947-2 H400, H630 & H800 frame devices /
Energy let-through at 400V

