Copper 230 V / 400 V

reserved
rights
<u>=</u>
Electric
Schneider
0)

.5														1.3	1.8	2.6	3.6	5.2	7.3	10.3	14.6	21
.5												1.1	1.5	2.1	3.0	4.3	6.1	8.6	12.1	17.2	24	34
											1.2	1.7	2.4	3.4	4.9	6.9	9.7	13.7	19.4	27	39	55
)										2.2	1.8 3.0	2.6 4.3	3.6	5.2 8.6	7.3	10.3	14.6 24	21	29	41 69	58 97	13
) }								1.7	2.4	3.4	4.9	6.9	6.1 9.7	13.8	19.4	27	39	34 55	49 78	110	155	22
5						1.3	1.9	2.7	3.8	5.4	7.6	10.8	15.2	21	30	43	61	86	121	172	243	34
5						1.9	2.7	3.8	5.3	7.5	10.6	15.1	21	30	43	60	85	120	170	240	340	48
7.5					1.8	2.6	3.6	5.1	7.2	10.2	14.4	20	29	41	58	82	115	163	231	326	461	
)					2.7	3.8	5.3	7.5	10.7	15.1	21	30	43	60	85	120	170	240	340			
5				2.6	3.6	5.1	7.2	10.2	14.5	20	29	41	58	82	115	163	231	326	461			
20	4.0	1.6	2.3	3.2	4.6	6.5	9.1	12.9	18.3	26	37	52	73	103	146	206	291	412				
50 35	1.2	1.8 2.1	2.5	3.5 4.2	5.0 5.9	7.0	9.9	14.0 16.6	19.8	28 33	40 47	56 66	79 94	112 133	159 187	224 265	317 374	448 529				
40	1.8	2.6	3.7	5.2	7.3	10.3	14.6	21	29	41	58	83	117	165	233	330	466	659				
00	2.2	3.1	4.4	6.2	8.8	12.4	17.6	25	35	50	70	99	140	198	280	396	561	- 000				
x120	2.3	3.2	4.6	6.5	9.1	12.9	18.3	26	37	52	73	103	146	206	292	412	583					
<b>&lt;</b> 150	2.5	3.5	5.0	7.0	9.9	14.0	20	28	40	56	79	112	159	224	317	448	634					
<b>&lt;</b> 185	2.9	4.2	5.9	8.3	11.7	16.6	23	33	47	66	94	133	187	265	375	530	749					
53x120	3.4	4.9	6.9	9.7	13.7	19.4	27	39	55	77	110	155	219	309	438	619						
(150	3.7	5.3	7.5	10.5	14.9	21	30	42	60	84	119	168	238	336	476	672						
k185 sc upstream		6.2 lowns	8.8 <b>tream</b>	12.5	17.6	25	35	50	70	100	141	199	281	398	562							
<b>n kA)</b> 00	(in ka	<b>9</b> 0	87	82	77	70	62	54	45	37	29	22	17.0	12.6	9.3	6.7	4.9	3.5	2.5	1.8	1.3	0.9
)	84	82	79	75	71	65	58	51	43	35	28	22	16.7	12.5	9.2	6.7	4.8	3.5	2.5	1.8	1.3	0.9
)	75	74	71	68	64	59	54	47	40	34	27	21	16.3	12.2	9.1	6.6	4.8	3.5	2.5	1.8	1.3	0.9
)	66	65	63	61	58	54	49	44	38	32	26	20	15.8	12.0	8.9	6.6	4.8	3.4	2.5	1.8	1.3	0.9
)	57	56	55	53	51	48	44	39	35	29	24	20	15.2	11.6	8.7	6.5	4.7	3.4	2.5	1.8	1.3	0.9
)	48 39	47 38	46 38	45 37	43 36	41 34	38	35 30	31 27	27 24	22	18.3	14.5 13.5	11.2 10.6	8.5	6.3	4.6	3.4	2.4	1.7	1.2	0.9
5	34	34	33	33	32	30	29	27	24	22	18.8	15.8	12.9	10.0	7.9	6.0	4.5	3.3	2.4	1.7	1.2	0.9
0	29	29	29	28	27	27	25	24	22	20	17.3	14.7	12.2	9.8	7.6	5.8	4.4	3.2	2.4	1.7	1.2	0.9
5	25	24	24	24	23	23	22	21	19.1	17.4	15.5	13.4	11.2	9.2	7.3	5.6	4.2	3.2	2.3	1.7	1.2	0.9
)	20	20	19.4	19.2	18.8	18.4	17.8	17.0	16.1	14.9	13.4	11.8	10.1	8.4	6.8	5.3	4.1	3.1	2.3	1.7	1.2	0.9
5	14.8	14.8	14.7	14.5	14.3	14.1	13.7	13.3	12.7	11.9	11.0	9.9	8.7	7.4	6.1	4.9	3.8	2.9	2.2	1.6	1.2	0.9
0	9.9	9.9	9.8	9.8	9.7	9.6	9.4	9.2	8.9	8.5	8.0	7.4	6.7	5.9	5.1	4.2	3.4	2.7	2.0	1.5	1.1	3.0
	7.0	6.9	6.9	6.9	6.9	6.8	6.7	6.6	6.4	6.2 4.6	6.0 4.5	5.6	5.2	4.7 3.7	4.2 3.4	3.6	3.0 2.5	2.4	1.9	1.4	1.1	3.0 3.0
	5.0 4.0	5.0 4.0	5.0 4.0	4.9	4.9	4.9 3.9	4.9 3.9	4.8 3.9	4.7 3.8	3.7	3.6	4.3 3.5	4.0 3.3	3.1	2.9	2.6	2.5	1.9	1.6	1.3	1.0	0.7
	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.8	2.7	2.6	2.5	2.3	2.1	1.9	1.6	1.4	1.1	0.9	0.7
	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.6
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.8	0.7	0.6	0.6	0.5
Numinium 230 V	400	٧																				
.s.a. of phase onductors (mm²)	Leng	th of	circuit	(in me	etres)																	
5														1.4	1.9	2.7	3.8	5.4	7.6	10.8	15.3	22
												1.1	1.5	2.2	3.1	4.3	6.1	8.6	12.2	17.3	24	35
)											1.9	1.6 2.7	2.3	3.2 5.4	4.6 7.7	6.5 10.8	9.2	13.0	18.3	26 43	37 61	52 86
) }										2.2	3.1	4.3	3.8 6.1	8.7	12.2	17.3	24	35	49	69	98	13
;								1.7	2.4	3.4	4.8	6.8	9.6	13.5	19.1	27	38	54	76	108	153	21
5							1.7	2.4	3.4	4.7	6.7	9.5	13.4	18.9	27	38	54	76	107	151	214	30
7.5						1.6	2.3	3.2	4.6	6.4	9.1	12.9	18.2	26	36	51	73	103	145	205	290	41
)						2.4	3.4	4.7	6.7	9.5	13.4	19.0	27	38	54	76	107	151	214	303	428	
5					2.3	3.2	4.6	6.4	9.1	12.9	18.2	26	36	51	73	103	145	205	290	411		
20					2.9	4.1	5.8	8.1	11.5	16.3	23	32	46	65	92	130	184	259	367			
50 35				2.6	3.1	5.2	6.3 7.4	8.8 10.4	12.5 14.8	17.7 21	25 30	35 42	50 59	71 83	100 118	141 167	199 236	282 333	399 471			
10	1.2	1.6	2.3	3.3	4.6	6.5	9.2	13.0	18.4	26	37	52	73	104	147	208	294	415	471			
00	1.4	2.0	2.8	3.9	5.5	7.8	11.1	15.6	22	31	44	62	88	125	177	250	353	499				
120	1.4	2.0	2.9	4.1	5.8	8.1	11.5	16.3	23	33	46	65	92	130	184	260	367	519				
(150	1.6	2.2	3.1	4.4	6.3	8.8	12.5	17.7	25	35	50	71	100	141	200	282	399					
(185	1.9	2.6	3.7	5.2	7.4		14.8	21	30	42	59	83	118	167	236	334	472					
240	2.3	3.3	4.6	6.5	9.2	13.0	18.4	26	37	52	74	104	147	208	294	415	587					
(120	2.2	3.1	4.3	6.1	8.6		17.3	24	34	49	69	97	138	195	275	389	551					
k150 k185	2.3	3.3	4.7	6.6	9.4	13.3	18.8	27	37	53	75	106	150	212	299	423	598					
CIOO	2.8	3.9	5.5	7.8 9.8	11.1	15.7 19.5	22	31 39	44 55	63 78	89 110	125 156	177 220	250 312	354 441	500 623	707					
k240	3.5	4.9	6.9									Inn										

Fig. G39: Isc at a point downstream, as a function of a known upstream fault-current value and the length and c.s.a. of the intervening conductors, in a 230/400 V 3-phase system

## 4.4 Short-circuit current supplied by a generator or an inverter: Please refer to Chapter N