TECHNICAL DATA FOR THE SB-SYSTEM

SUPER COMPACT BUSBAR TRUNKING SYSTEM

SB-A SYSTEM		Super compact busbar trunking system with aluminium conductors					
		500	630	800	1000	1250	1600
Rated current I_n	A	500	630	800	1000	1250	1600
Rated operational voltage U_e	V				1000		
Rated insulation voltage U_i	V				1000		
Rated frequency f	Hz				50/60		
Rated short-time withstand current I_{cw} (1s) of phases	kA	36	36	36	50	65	65
Peak withstand current I_{pk} of phases	kA	75	75	75	110	150	150
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	21	21	21	30	40	40
Peak withstand current I_{pk} of N conductor	kA	47	47	47	63	92	92
Conductor cross section L1/L2/L3/N	mm²	330	330	330	450	660	780
Cross section PE conductor	mm²	165	165	165	225	330	390
Cross section aluminium housing	mm²	1354	1354	1354	1450	2295	2390
Geometry HxB	mm x mm	130x157	130x157	130x157	150x157	185x157	205x157
Phase resistance R_{20}	mΩ/m	0,088	0,088	0,090	0,066	0,046	0,037
Phase resistance R_t	mΩ/m	0,125	0,125	0,125	0,091	0,062	0,026
Phase reactance X	mΩ/m	0,033	0,033	0,033	0,023	0,015	0,032
Phase impedance Z	mΩ/m	0,129	0,129	0,129	0,094	0,064	0,045
Weight	kg/m	10,54	10,54	10,54	12,00	17,80	19,00

Eta-com

metabar

TECHNICAL DATA FOR THE SB-SYSTEM

SUPER COMPACT BUSBAR TRUNKING SYSTEM

SB-A SYSTEM	Super compact busbar trunking system with aluminium conductors					
		2000	2500	3200	4000	5000
Rated current I_n	A	2000	2500	3200	4000	5000
Rated operational voltage U_e	V		1000			
Rated insulation voltage U_i	V		1000			
Rated frequency f	Hz		50/60			
Rated short-time withstand current I_{cw} (1s) of phases	kA	65	90	100	120	150
Peak withstand current I_{pk} of phases	kA	150	200	220	264	330
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	40	54	63	72	90
Peak withstand current I_{pk} of N conductor	kA	92	120	132	158	198
Conductor cross section L1/L2/L3/N	mm²	1080	1320	1560	2160	3240
Cross section PE conductor	mm²	540	660	780	1080	1620
Cross section aluminium housing	mm²	2603	4590	4780	5206	7810
Geometry HxB	mm x mm	255x157	370x157	410x157	510x157	765x157
Phase resistance R_{20}	mΩ/m	0,026	0,021	0,018	0,013	0,008
Phase resistance R_t	mΩ/m	0,029	0,027	0,013	0,018	0,014
Phase reactance X	mΩ/m	0,014	0,017	0,018	0,009	0,004
Phase impedance Z	mΩ/m	0,032	0,032	0,023	0,020	0,015
Weight	kg/m	24,84	35,60	38,13	49,74	74,34

TECHNICAL DATA FOR THE SB-SYSTEM

SUPER COMPACT BUSBAR TRUNKING SYSTEM

SB-C SYSTEM		Super compact busbar trunking system with copper conductors					
		500	630	800	1000	1250	1600
Rated current I_n	A	500	630	800	1000	1250	1600
Rated operational voltage U_e	V				1000		
Rated insulation voltage U_i	V				1000		
Rated frequency f	Hz				50/60		
Rated short-time withstand current I_{cw} (1s) of phases	kA	50	50	50	50	50	65
Peak withstand current I_{pk} of phases	kA	110	110	110	110	110	150
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	30	30	30	30	30	40
Peak withstand current I_{pk} of N conductor	kA	70	70	70	70	70	92
Conductor cross section L1/L2/L3/N	mm²	330	330	330	330	450	660
Cross section PE conductor	mm²	165	165	165	165	225	330
Cross section aluminium housing	mm²	1354	1354	1354	1354	1450	2295
Geometry HxB	mm x mm	130x157	130x157	130x157	130x157	150x157	185x157
Phase resistance R_{20}	mΩ/m	0,054	0,054	0,054	0,054	0,042	0,027
Phase resistance R_t	mΩ/m	0,076	0,076	0,076	0,076	0,058	0,038
Phase reactance X	mΩ/m	0,028	0,028	0,028	0,028	0,021	0,014
Phase impedance Z	mΩ/m	0,081	0,081	0,081	0,081	0,062	0,041
Weight	kg/m	20,09	20,09	20,09	20,09	25,52	36,85

TECHNICAL DATA FOR THE SB-SYSTEM

SUPER COMPACT BUSBAR TRUNKING SYSTEM

SB-C SYSTEM		Super compact busbar trunking system with copper conductors					
		2000	2500	3200	4000	5000	6000
Rated current I_n	A	2000	2500	3200	4000	5000	6000
Rated operational voltage U_e	V				1000		
Rated insulation voltage U_i	V				1000		
Rated frequency f	Hz				50/60		
Rated short-time withstand current I_{cw} (1s) of phases	kA	80	80	120	120	120	150
Peak withstand current I_{pk} of phases	kA	175	175	264	264	264	330
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	50	50	72	72	72	90
Peak withstand current I_{pk} of N conductor	kA	100	100	158	158	158	198
Conductor cross section L1/L2/L3/N	mm²	780	1080	1320	1560	2160	3240
Cross section PE conductor	mm²	390	540	660	780	1080	1620
Cross section aluminium housing	mm²	2390	2603	4590	4780	5206	7810
Geometry HxB	mm x mm	205x157	255x157	370x157	410x157	510x157	765x157
Phase resistance R_{20}	mΩ/m	0,023	0,016	0,012	0,011	0,008	0,005
Phase resistance R_t	mΩ/m	0,023	0,022	0,016	0,012	0,009	0,005
Phase reactance X	mΩ/m	0,042	0,013	0,015	0,009	0,011	0,003
Phase impedance Z	mΩ/m	0,039	0,026	0,022	0,015	0,014	0,006
Weight	kg/m	41,58	55,98	73,70	85,55	111,96	169,77