

TECHNICAL DATA FOR THE CB-SYSTEM

MEDIUM POWER BUSBAR TRUNKING SYSTEM

CB-A SYSTEM		Medium power busbar trunking system with aluminium conductors			
		160	250	315	400
Rated current I_n	A	160	250	315	400
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	13	13	20	20
Peak withstand current I_{pk} of phases	kA	26	26	44	44
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	8	8	10	12
Peak withstand current I_{pk} of N conductor	kA	14	16	20	24
Conductor cross section L1/ L2/L3/N	mm ²	144	144	279	279
Cross section PE conductor + aluminium housing	mm ²	1283	1283	1283	1283
Phase resistance R_{20}	mΩ/m	0,193	0,193	0,103	0,103
Phase resistance R_t	mΩ/m	0,338	0,338	0,157	0,157
Phase reactance X	mΩ/m	0,094	0,094	0,050	0,050
Phase impedance Z	mΩ/m	0,351	0,351	0,165	0,165
Weight	kg/m	5,4	5,4	6,5	6,5

TECHNICAL DATA FOR THE CB-SYSTEM

MEDIUM POWER BUSBAR TRUNKING SYSTEM

CB-A SYSTEM		Medium power busbar trunking system with aluminium conductors			
		500	630	800	1000
Rated current I_n	A	500	630	800	1000
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	25	25	35	40
Peak withstand current I_{pk} of phases	kA	53	53	80	90
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	15	15	22	24
Peak withstand current I_{pk} of N conductor	kA	30	30	44	50
Conductor cross section L1/ L2/L3/N	mm ²	500	500	600	700
Cross section PE conductor + aluminium housing	mm ²	1550	1550	1550	1550
Phase resistance R_{20}	mΩ/m	0,058	0,058	0,048	0,041
Phase resistance R_t	mΩ/m	0,098	0,098	0,080	0,045
Phase reactance X	mΩ/m	0,014	0,014	0,010	0,007
Phase impedance Z	mΩ/m	0,099	0,099	0,080	0,046
Weight	kg/m	10,6	10,6	11,8	12,9

TECHNICAL DATA FOR THE CB-SYSTEM

MEDIUM POWER BUSBAR TRUNKING SYSTEM

CB-C SYSTEM		Medium power busbar trunking system with copper conductors			
		160	250	315	400
Rated current I_n	A	160	250	315	400
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	20	20	20	20
Peak withstand current I_{pk} of phases	kA	44	44	44	44
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	12	12	12	12
Peak withstand current I_{pk} of N conductor	kA	24	24	24	24
Conductor cross section L1/ L2/L3/N	mm ²	144	144	144	144
Cross section PE conductor	mm ²	200	200	200	200
Cross section aluminium housing	mm ²	1083	1083	1083	1083
Phase resistance R_{20}	mΩ/m	0,105	0,105	0,105	0,105
Phase resistance R_t	mΩ/m	0,138	0,138	0,138	0,138
Phase reactance X	mΩ/m	0,021	0,021	0,021	0,021
Phase impedance Z	mΩ/m	0,139	0,139	0,139	0,165
Weight	kg/m	10,9	10,9	10,9	10,9

TECHNICAL DATA FOR THE CB-SYSTEM

MEDIUM POWER BUSBAR TRUNKING SYSTEM

CB-C SYSTEM		Medium power busbar trunking system with copper conductors		
		500	630	800
Rated current I_n	A	500	630	800
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	25	25	35
Peak withstand current I_{pk} of phases	kA	53	53	74
Rated short-time withstand current I_{cw} (1s) of N conductor	kA	15	15	22
Peak withstand current I_{pk} of N conductor	kA	30	30	44
Conductor cross section L1/ L2/L3/N	mm ²	250	250	400
Cross section PE conductor	mm ²	200	200	200
Cross section aluminium housing	mm ²	1083	1083	1083
Phase resistance R_{20}	mΩ/m	0,072	0,072	0,045
Phase resistance R_t	mΩ/m	0,108	0,108	0,068
Phase reactance X	mΩ/m	0,018	0,018	0,010
Phase impedance Z	mΩ/m	0,136	0,136	0,080
Weight	kg/m	13,8	13,8	14,1