

Rated Current	I_r	A	1800	2100	3200	4000	5000	5700
Busbar Code			18	21	32	40	50	57
Standards	IEC 62271-200 Edition 2.0 2011-10; IEC 62271-307 Edition 1.0 2015-09;		IEC 61439-6 Edition 1.0 2012-05; STL Guide to IEC 62271-200 Edition 2.0 2011-10					
Rated Voltage	U_r	kV	24	24	24	24	24	24
Rated power frequency withstand voltage	U_d	kV	50	50	50	50	50	50
Rated impulse withstand voltage	U_p	kV	125	125	125	125	125	125
Rated Frequency	f_r	Hz	50	50	50	50	50	50
Partial Discharge		pC	20<	20<	20<	20<	20<	20<
Protection Degree	IP68							
External Mechanical Impacts (IK Code)*	50J, > IK10							
Rated Short-time Withstand Current (1s)	I_k	kA_{rms}	65	65	70	70	70	70
Rated Peak Withstand Current	I_{ke}	kA	172	172	124,5	124,5	124,5	124,5
Rated Short-time Withstand Current for PE Conductor (1s)	I_p	kA	39,84	39,84	45	45	45	45
Rated Peak Withstand Current for PE Conductor	I_{pe}	kA	104	104	117	117	117	117
MEAN PHASE CONDUCTOR CHARACTERISTICS AT RATED CURRENT I_n								
Resistance at a conductor temperature of 20 °C	R_{20}	mΩ/m	0,0425	0,0401	0,0210	0,0126	0,0100	0,0103
Average resistance at I_n , thermal balance	R	mΩ/m	0,0568	0,0547	0,0289	0,0172	0,0138	0,0142
Reactance (Independent from Temperature)	X	mΩ/m	0,1343	0,1303	0,1084	0,0879	0,0806	0,0716
Positive and negative sequence impedances	Z	mΩ/m	0,1458	0,1413	0,1121	0,0896	0,0818	0,0730
Positive and negative sequence impedances at an ambient air temperature of 20 °C	Z_{20}	mΩ/m	0,1408	0,1363	0,1104	0,0888	0,0813	0,0723
DC Resistance at a conductor temperature of 20 °C for PE	R_{PEdc}	mΩ/m	0,009	0,009	0,009	0,006	0,013	0,013
SECTIONS								
Phase Conductor		mm ²	490	525	1200	1800	2400	3000
PE (Housing)		mm ²	8515	8515	8515	9394	10194	10194
Conductor Cross Section		mmxmm	7x70	7x75	12x100	12x150	12x200	15x200
Busbar Weight (3 Conductors)		kg/m	104	106	122	152	187	205
MEAN FAULT-LOOP CHARACTERISTICS								
Zero-sequence impedance at a conductor temperature of 20 °C	$Z_{(0)20phPE}$	mΩ/m	0,269	0,253	0,220	0,211	0,192	0,161
Zero-sequence impedance	$Z_{(0)bphPE}$	mΩ/m	0,284	0,253	0,230	0,220	0,199	0,167
Mean Resistances and Reactances								
Resistance at a conductor temperature of 20 °C	$R_{b20phph}$	mΩ/m	0,089	0,055	0,047	0,032	0,025	0,023
Resistance at a conductor temperature of 20 °C	$R_{b20phPE}$	mΩ/m	0,062	0,056	0,041	0,033	0,026	0,025
Resistance of Fault Loop	R_{bphph}	mΩ/m	0,119	0,075	0,046	0,044	0,035	0,032
Resistance of Fault Loop	R_{bphPE}	mΩ/m	0,083	0,076	0,041	0,045	0,036	0,034
Reactance (Independent from temperature)	X_{bphph}	mΩ/m	0,264	0,246	0,209	0,170	0,143	0,132
Reactance (Independent from temperature)	X_{bphPE}	mΩ/m	0,169	0,156	0,142	0,122	0,108	0,099

Standards

⁽¹⁾ The weight per metre provided in table includes 1/3 of the weight of one block joint.