

Technical Data

revised: 17.08.2018

Item 1500

Type **3EQ3 498-4DZ6**
Designation **C11 Arrester, Type C001 (Station 1 / 2: Outdoor, Upright)**

Standard	IEC 60099-4, IEC 60099-9		
Max. altitude of installation (a.s.l.)	1000 m		
Electrical Data			
Rated voltage (Ur)	498 kVrms		
Max. continuous operating voltage (Uc, MCOV)	594 kVDCpeak		
Frequency	DC + 50/60 Hz		
Nominal discharge current (In)	20 kAp		
High current impulse	100 kAp		
Short-circuit current (0.2s)	65 kArms		
Energy discharge capability (single impulse)	7,00 MJ		
Number of columns per phase	2		
Number of housings per phase	1		
Max. residual voltages at			
5 kAp	8/20µs	1053 kVp	
500 Ap	30/60µs	934,6 kVp	
Housing type	Polymer		
Insulation withstand of housing			
Lightning impulse	2000 kVp		
Switching impulse (wet)	1250 kVp		
Power frequency (wet)	n.a. kVrms		
Mechanical Data			
Cantilever strength			
static (incl. 34 m/s wind)	4,5 kN		
dynamic (incl. 0,2 g seismic acc. IEC 62271-300 (2006))	5,0 kN		
Number of units stacked	3		
Creepage distance	16950 mm		
Height (H)	5700 mm		
Arcing distance	4650 mm		
Creepage factor	3,6		
Corona ring diameter	2 x 1230 mm		
Corona ring struts	200/600 mm		
Weight (approx.)	566,7 kg		
Color of housing	grey		
Base	insulated		
Terminal	DIN/NEMA flat 40²...50² mm, hot dip galvanised		
Drawing number	27139039.1500		