

Technical specifications

Rated alternating current I_{Ln}	From 450 A ... 3000 A
Available supply voltages	15 kV AC 16 ² / ₃ Hz 25 kV AC 50 Hz 1.5 kV DC
Inductance per phase mH	0.3 mH ... 16 mH, typical ratings 0.5 mH at 830 A with $E = 139$ Ws 2.0 mH at 3000 A with $E = 9000$ Ws 16.0 mH at 670 A with $E = 3592$ Ws
Total power loss W	On request
Total weight kg	On request
Frequency	Application-specific 33 ¹ / ₃ Hz, 50 Hz, 100 Hz, 0 – 300 Hz
Degree of protection	IP00, exposed to all weather conditions
Protection class	I according to VDE 0106
Connection	Free cable, flat copper (application-specific)
Installation	Hanging, underfloor (application-specific)
Cooling	CF, forced air cooling Typically 10 ... 12 m/s at 40 °C
Climatic conditions	Stress due to "damp heat" and "salt mist" IEC 721 – 3-5 Class 5C2 (chemically active materials) IEC 721 – 3-5 Class 5F2 (contaminated materials) IEC 721 – 3-5 Class 5S2 (mechanically active materials)
Insulation	Up to 25 kV rated voltage for clearances 32 mm clearance (minimum value) 4000 V DC insulation rated voltage for creepage distances
Permissible ambient temperature during operation	–40 °C ... +40 °C
Temperature classes	t_a 40 °C/F ... t_a 65 °C/F, t_a 55 °C/H
Mechanical stress	IEC 68-2-6/06.90 Vibration, sinusoidal approx. 2 g IEC 9/426/CDV Vibration, broadband noise IEC 68-2-27/08.89 Shock UIC 566 Vibration and shock resistance
Standards/approvals	The reactors comply with VDE 0535, EN 60310
Dimensions	On request
Storage temperature	–40 °C ... +80 °C

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Technical specifications

Rated alternating current I_{Ln}	Up to 600 A
Available supply voltages	2.3 kV DC
Inductance per phase mH	9 mH ... 17 mH, typical ratings 6 to 9 mH at 230 A ... 400 A with $E = 230$ Ws 17 mH for 500 A ... 800 A
Total power loss W	On request
Total weight kg	On request
Frequency	DC applications, the specified currents allow for an AC ripple of 30 %
Degree of protection	IP00, exposed to all weather conditions
Protection class	I according to VDE 0106
Connection	Free cable, flat copper (application-specific)
Installation	Hanging, underfloor (application-specific)
Cooling	CF, forced air cooling Typically 10 ... 12 m/s at 40 °C
Climatic conditions	Stress due to "damp heat" and "salt mist" IEC 721 – 3-5 Class 5C2 (chemically active materials) IEC 721 – 3-5 Class 5F2 (contaminated materials) IEC 721 – 3-5 Class 5S2 (mechanically active materials) IEC 721 – 3-5 Class 5K3 (climatic category) IEC 721 – 3-5 Class 5B2 (biologically active materials)
Insulation	Up to 12 kV rated voltage for clearances >20 mm clearances (minimum value) 1900 V DC insulation rated voltage for creepage distances
Permissible ambient temperature during operation	-30 °C ... +70 °C
Temperature classes	t_a 60 /H
Mechanical stress	IEC 68-2-6/06.90 Vibration, sinusoidal approx. 2 g IEC 9/426/CDV Vibration, broadband noise IEC 68-2-27/08.89 Shock UIC 566 Vibration and shock resistance
Standards/approvals	The reactors comply with VDE 0535, EN 60310
Dimensions	On request
Storage/transport temperature	-40 °C ... +70 °C

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