

Technical specifications

Recommended supply voltage U_N	648 V DC \pm 10%, 3 AC 480 V \pm 10%
Rated alternating current I_{LN}	4 ... 180 A
Test voltage	4 kV AC live parts against casing
Performance range of corresponding converter P_n	0.25 mH to 10 mH (application and type specific)
Inductance per phase mH	0.75 to 75 kW, higher outputs on request
Total power loss W	on request
Total weight kg	on request
Frequency	50 ... 60 Hz \pm 10%
Degree of protection	Assembly in zinc-plated steel housing in IP20
Terminal	Shielded cable end for connection to the voltage link input, cable according to customer requirements
Rating of creepage distances and clearances	Degree of soiling 2 according to DIN VDE 0110
Rated voltage for insulation (for site altitudes up to 2000 m above sea level)	Version with terminals: 600 V AC
Permissible ambient temperature during operation	-10°C to +50°C
Deviation of the permissible alternating current from rated alternating current I_{LN}	on request
Temperature classes	t_a 50°C/F (B)
Site altitude	\leq 1000 m above sea level
Deviation of the permissible alternating current from rated alternating current I_{LN} (at site altitudes > 1000 m above sea level)	See "Configuration notes"
Standards/approvals	The reactors comply with EN 61558-2-20 Electromagnetic compatibility according to EN 61000-4-2,3,4 Vibration EN 60068-2-31 All reactors are built according to UL506, approval on request
Dimensions	Reactor casing with a maximum height of 50 mm to $P_n = 22$ kW, Maximum height of casing 60 mm to $P_n \leq 75$ kW. Further dimensions by separate agreement
Storage temperature	-20°C to +70°C
Permissible humidity rating	Relative humidity at +40°C to 95% Condensation not permissible