

Technical specifications

Recommended supply voltage (converter output voltage) U_N	3 AC 480 V \pm 10%
Rated alternating current I_{LN}	3.9 ... 178 A
Test voltage	4 kV AC live parts against casing
Performance range of corresponding converter P_n	0.75 to 75 kW, higher outputs on request
Inductance per phase mH	0.029 to 2.6 mH (application-specific)
Total power loss W	on request
Total weight kg	on request
Frequency	f_{max} = 400 Hz at converter output Clock frequency \leq 4 kHz
Degree of protection	Assembly in zinc-plated steel housing in IP20
Terminal	Bushing terminals for the connection of motor supply cable, shielded cable end for connection to frequency converter output, 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
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 80 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