Technical specifications

Recommended supply voltage U_N **Rated alternating current I_{Ln}** **Maximum continuous thermal current I_{thmax}** **Peak current I_{Lmax}** **Permissible continuous direct current with downstream two-pulse bridge converter (I_{dn}= I_{thmax} Þ 1.0)** **Inductance per phase** **Core losses P_{Fe} at f = 50 Hz** **Winding losses P_W** **Weight**	See "Selection and ordering data" table
Degree of protection	IP00 according to DIN VDE 0470-1/EN 60529
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)	690 V AC at U_N ≤500 V for 4EM with terminals 600 V AC at U_N ≤500 V for 4EM according to UL
Permissible ambient temperature during operation	Type 4EM: -25°C to +70°C
Deviation of the permissible alternating current from the rated alternating current I_{Ln} at coolant temperatures ¼ +40°C	See "Configuration notes"
Temperature classes	t_a 40°C/B
Site altitude	£ 1000 m above sea level
Deviation of the permissible alternating current from the 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 UL 1561 applies to reactors with U_N ≤600 V
Storage temperature	-25°C to +55°C
Transport temperature	-25°C to +70°C
Permissible humidity rating	Humidity 5% to 95% occasional condensation permissible