Technical specifications

Recommended supply voltage U_N **Rated alternating current I_{Ln}** **Maximum continuous thermal current I_{thmax}** **Voltage drop Δu per phase** **Inductance per phase mH** **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)	4EP with terminals: 4EP with flat termination and 4EU24 to 4EU43 (EN 61558): 4EU45 to 4EU52 (DIN VDE 0532): with $U_N \leq 500$ V for 4EP and 4EU:	690 V AC 1000 V AC 1100 V AC 600 V AC to cULus
Permissible ambient temperature during operation	Type 4EP: -25°C to +70°C Type 4EU: -25°C to +80°C	
Deviation of the permissible alternating current from rated alternating current I_{Ln} at coolant temperatures ≠ +40°C	See "Configuration notes"	
Temperature classes	Type 4EP: t_a 40°C/B Type 4EU: t_a 40°C/H (utilisation according to F for applications according to EN 61558) Type 4EU: temperature class H (for applications according to cULus)	
Site altitude	≤ 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"	
Operation with varying load	Rating on request	
Standards/approvals	The reactors comply with EN 61558-2-20 (type 4EU45 to 4EU52: DIN VDE 0532) The reactors are UL recognised under Guide No. XQNX2 and File No. E103902, as well as cUL approved under Guide No. XQNX8 File No. E103902 (applies to reactors with $U_N \leq 600$ V according to UL)	
Storage temperature	-25°C to +55°C	
Transport temperature	-25°C to +70°C	
Permissible humidity rating	Humidity 5% to 95% occasional condensation permissible	