

Technical specifications

Recommended supply voltage U_N	See the table "Selection and ordering data".
Rated alternating current I_{LN}	
Max. continuous thermal current I_{thmax}	
Peak current I_{Lmax}	
Permissible continuous direct current with downstream two-pulse bridge connection ($I_{dn} = I_{thmax} \cdot 1.0$)	
Inductance per phase	
Core losses P_{Fe} at $f = 50$ Hz	
Winding losses P_W	
Weight	
Degree of protection	IP00 according to DIN VDE 0470-1/EN 60529
Rating of creepage distance and clearance	Pollution degree 2 according to DIN VDE 0110
Rated voltage for insulation (for installation altitudes of up to 2000 m above sea level)	690 V AC at $U_N \leq 500$ V for 4EM with terminals 600 V AC at $U_N \leq 500$ V for 4EM according to UL
Permissible ambient temperature during operation	Type 4EM: -25 °C ... $+70$ °C
Deviation of the permissible alternating current from the rated alternating current I_{LN} at coolant temperatures $\neq +40$ °C	See "Configuration notes".
Temperature classes	t_a 40 °C/B
Installation altitude	≤ 1000 m above sea level
Deviation of the permissible alternating current from the rated alternating current I_{LN} at installation altitudes > 1000 m above sea level	See "Configuration notes".
Standards/approvals	The reactors comply with EN 61558-2-20 UL 1561: XQNX2, XQNX8, CSA 22.2 H4 (only applies to reactors with $U_N \leq 600$ V according to UL)
Storage temperature	-25 °C ... $+55$ °C
Transport temperature	-25 °C ... $+70$ °C
Permissible humidity rating	Humidity 5 % ... 95 % occasional condensation permissible