

Technical specifications

Recommended supply voltage U_N Rated alternating current I_{LN} Total power loss W Total weight kg	See "Selection and ordering data" table
Test voltage	3.6 kV DC live parts against casing
Performance range of the drive	1.5 to 75 kW, higher outputs available on request
Frequency	$f_{\max} = 100$ Hz Clock frequency ≥ 4 kHz ≤ 8 kHz
Degree of protection	IP00 according to DIN VDE 0470-1/EN 60529 Safe-to-touch terminals according to BGV A2
Safety class	I according to DIN VDE 0160-1/05.82 IEC 536/1976
Terminal	Safe-to-touch terminals
Rating of creepage distances and clearances	Degree of soiling 2 according to DIN VDE 0110
Rated voltage for insulation (for site altitudes up to 1000 m above sea level)	500 V AC
Permissible ambient temperature during operation	0°C to +40°C
Deviation of the permissible alternating current from rated alternating current I_{LN} (at coolant temperatures $\neq +40^\circ\text{C}$)	See "Configuration notes"
Temperature classes	t_a 40°C/F or t_a 40°C/H depending on the design ratings
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 "Configuring aids"
Standards/approvals	The reactors comply with EN 61558-2-20 UL 508: Device assembly
Storage temperature	-25°C to +55°C
Transport temperature	-25°C to +70°C
Permissible humidity rating	Humidity 5% to 95% occasional condensation permissible