

## Technical specifications

<b>Recommended supply voltage <math>U_N</math></b> <b>Rated alternating current <math>I_{LN}</math></b> <b>Maximum continuous thermal current <math>I_{thmax}</math></b> <b>Voltage drop <math>\Delta u</math> per phase</b> <b>Inductance per phase mH</b> <b>Core losses <math>P_{Fe}</math> at <math>f = 50</math> Hz</b> <b>Winding losses <math>P_W</math></b> <b>Weight</b>	See "Selection and ordering data" table	
<b>Degree of protection</b>	IP00 according to DIN VDE 0470-1/EN 60529	
<b>Rating of creepage distances and clearances</b>	Degree of soiling 2 according to DIN VDE 0110	
<b>Rated voltage for insulation</b> (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 <b>c</b>
<b>Permissible ambient temperature during operation</b>	Type 4EP: -25°C to +70°C Type 4EU: -25°C to +80°C	
<b>Deviation of the permissible alternating current from rated alternating current <math>I_{LN}</math></b> at coolant temperatures $\frac{1}{4}$ +40°C	See "Configuration notes"	
<b>Temperature classes</b>	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 <b>c</b> )	
<b>Site altitude</b>	$\leq 1000$ m above sea level	
<b>Deviation of the permissible alternating current from rated alternating current <math>I_{LN}</math></b> at site altitudes $> 1000$ m above sea level	See "Configuration notes"	
<b>Operation with varying load</b>	Rating on request	
<b>Standards/approvals</b>	The reactors comply with EN 61558-2-20 (type 4EU45 to 4EU52: DIN VDE 0532) UL 1561 applies to reactors with $U_N \leq 600$ V	
<b>Storage temperature</b>	-25°C to +55°C	
<b>Transport temperature</b>	-25°C to +70°C	
<b>Permissible humidity rating</b>	Humidity 5% to 95% occasional condensation permissible	