

Technical specifications

Recommended supply voltage U_N	648 V DC ± 10 %, 3 AC 480 V ± 10 %
Rated alternating current I_{LN}	4 A ... 180 A
Test voltage	4 kV AC live parts against enclosure
Performance range of corresponding converter P_n	0.25 ... 10 mH (application and type-specific)
Inductance per phase mH	0.75 kW ... 75 kW, higher outputs on request
Total power loss W	On request
Total weight kg	On request
Frequency	50 ... 60 Hz ± 10 %
Degree of protection	Assembly in zinc-plated steel housing in IP20
Connection	Shielded cable end for connection to the voltage link input, cable according to customer requirements
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)	Version with terminals: 600 V AC
Permissible ambient temperature during operation	-10 °C ... +50 °C
Deviation of the permissible alternating current from the rated alternating current I_{LN}	On request
Temperature classes	t_a 50 °C/F (B)
Installation altitude	\leq 1000 m above sea level
Deviation of the permissible alternating current from the rated alternating current I_{LN} (for installation altitudes > 1000 m above sea level)	See "Configuration notes".
Standards/approvals	The reactors comply with EN 61558-2-20 Electromagnetic compatibility according to EN 61000-4-2,3,4 Vibration EN 60068-2-31 All reactors are built in compliance with UL506, approval on request.
Dimensions	Reactor enclosure with a maximum height of 50 mm to $P_n = 22$ kW, Maximum height of enclosure 60 mm to $P_n \leq 75$ kW. Further dimensions on request
Storage temperature	-20 °C ... +70 °C
Permissible humidity rating	Relative humidity +40 °C to 95 % Condensation not permissible

If you are interested in any of our products or need further assistance, please e-mail: Anfrage@mdexx.com