

### 3.6 Line choke option type ND..

- To increase overvoltage protection.
- To limit the charging current when several inverters are connected together in parallel on the input end with shared mains contactors (rated current of line choke = total of inverter rated currents).

Line choke type	ND020-013 <sup>1)</sup>	ND030-023 <sup>1)</sup>	ND045-013 <sup>1)</sup>	ND085-013 <sup>1)</sup>	ND150-013 <sup>1)</sup>	ND200-0033 <sup>1)</sup>	ND300-0053 <sup>1)</sup>
Part number	826 012 5	827 151 8	826 013 3	826 014 1	825 548 2	826 579 8	827 721 4
Rated voltage $U_N$	3 × AC 380 V -10 % ... 3 × AC 500 V +10 %, 50/60 Hz						
Rated current <sup>2)</sup> $I_N$	AC 20 A	AC 30 A	AC 45 A	AC 85 A	AC 150 A	AC 200 A	AC 300 A
Power loss at $I_N$ $P_V$	10 W	30 W	15 W	25 W	65 W	100 W	280 W
Inductance $L_N$	0.1 mH	0.2 mH	0.1 mH	0.1 mH	0.1 mH	0.03 mH	0.05 mH
Ambient temperature $\vartheta_U$	-25 ... +45 °C						
Enclosure	IP 00 (EN 60529)						
Connections/ Tightening torque	Terminal strips 4 mm <sup>2</sup> (AWG12)	Terminal strips 2.5 mm <sup>2</sup> ... 10 mm <sup>2</sup> (AWG13 ... AWG8)	Terminal blocks 10 mm <sup>2</sup> (AWG8)	Terminal blocks 35 mm <sup>2</sup> (AWG2)	M10 stud PI: M8 stud	M12 stud PI: 2 × M10	
Tightening torque	0.6 ... 0.8 Nm	max. 2.5 Nm		3.2 ... 3.7 Nm	M10 stud: 10 Nm PI: 6 Nm	M12 stud: 15.5 Nm PI: 10 Nm	

1) UL/cUL approval in conjunction with MOVIDRIVE® drive inverters. SEW-EURODRIVE will provide a certificate on request.

2) If more than one MOVIDRIVE® unit is connected to a line choke, the **total value of the rated currents** of the connected units **must not exceed the rated current of the line choke!**

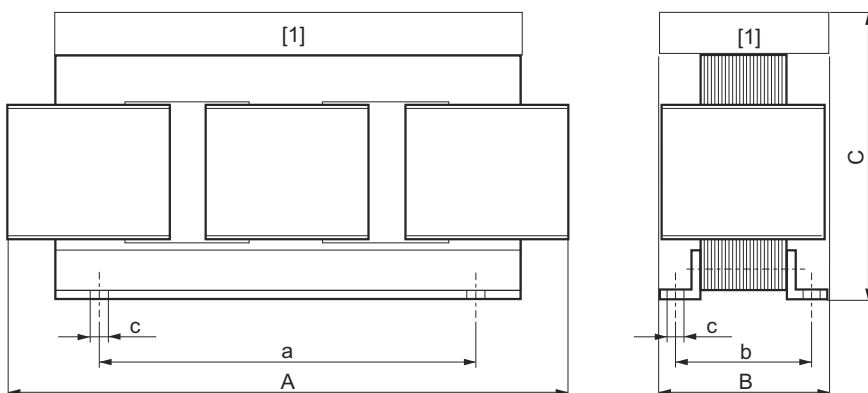


Figure 5: Dimension drawing for line chokes ND020.../ND030.. / ND45.. / ND85..

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(1) Space for terminal blocks  
Any mounting position