

SIDAC Specification Sheets

Query

Specification sheet for customised reactors

Recipient

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Sender

Company: _____
Department: _____
Name: _____
City: _____
Tel: _____
Fax: _____
E-mail: _____

Date: _____

Application:

☐ 1-phase ☐ 3-phase

Please specify all currents and voltages as r.m.s. values!

☐ DC reactors (smoothing/
DC-link reactors)

L_1 [mH]: _____
 I_{d1} [A]: _____
 L_2 [mH]: _____
 I_{d2} [A]: _____
 I_{therm} [A]: _____
 U_{line} [V]: _____
Ripple

☐ Commutation reactors

U_{Dr} [V]: _____
 u_D [%]: _____
 I_n [A]: _____
 I_{max} [A]: _____
 U_{line} [V]: _____
 f_{line} [Hz]: _____
Harmonics *)

☐ Output reactors

L_n [mH]: _____
 P_{nMot} [kW]: _____
 f_{max} [Hz]: _____
 U_{line} [V]: _____
 f_{clock1} [Hz]: _____
 I_{n1} [A]: _____
 f_{clock2} [Hz]: _____

☐ Filter reactors

Q_c [kvar]: _____
 L_n [mH]: _____
 $I_{n,eff}$ [A]: _____
 U_{line} [V]: _____
 f_{line} [Hz]: _____
Reactance [%]: _____
Fundamental and harmonic
component
 U_1 [%] = _____ I_1 [%] = _____
 U_3 [%] = _____ I_3 [%] = _____
 U_5 [%] = _____ I_5 [%] = _____
 U_7 [%] = _____ I_7 [%] = _____
 U_{11} [%] = _____ I_{11} [%] = _____
 U_{13} [%] = _____ I_{13} [%] = _____

DC link
☐ 300 Hz ☐ _____
☐ 30% ☐ _____

I_1 [A]: _____ f_1 [Hz]: _____ I_{n2} [A]: _____
 I_2 [A]: _____ f_2 [Hz]: _____ f_{clock3} [Hz]: _____
 I_3 [A]: _____ f_3 [Hz]: _____ I_{n3} [A]: _____
 I_4 [A]: _____ f_4 [Hz]: _____
 I_5 [A]: _____ f_5 [Hz]: _____

*) List other currents and frequencies below

General Information

Ambient temperature:

☐ 40°C ☐ 55°C
☐ _____

Operating mode:

☐ Continuous duty
☐ ON-time [%] _____

Varying load according to specifications

Degree of protection:

☐ IP00 ☐ IP23
☐ IP _____

Design

☐ Book size
☐ Footprint
☐ Acc. to customer specifications

Please enter any alternative or supplementary data on converters and motors:

Converter

Rated power P_n [kW]: _____
 $I_{nOutput}$ [A]: _____
 $U_{DC link}$ [V]: _____
Permitted overload in [%] of $I_{nOutput}$: _____

Motor

P_n [kW]: _____ η : _____
Operating load in [%] of P_n : _____ U_N [V] = _____ I_n [A] = _____ p.f.: = _____
M = constant
M ~ n^2 (fan, pump)
r.p.m._n: _____
r.p.m._{operation}: _____ from: _____ to: _____

Special features/comments:

Scheduled delivery date: _____ No. of items: _____ per annum/per order Target price: _____

Documents: ☐ Dimensional drawings ☐ Load cycle ☐ Electrical data of drive ☐ _____

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Application:

☐ Smoothing reactors with selectable inductance and current

Please specify all currents and voltages as r.m.s. values!

	Iron-core smoothing reactors	Iron-core smoothing reactors	Smoothing air-core reactors
	$I_x = I_{dn} \quad L_x = L_0$	$I_x > I_{dn} \quad L_x \leq L_0$	
Rated direct current I_{dn} [A]			
Inductance [mH] for I_{dn}		_____	
Inductance L_x [mH] for $I_x (I_{max})$	_____		_____
Inductance L_0 [mH] for $I_d = 0A$	_____		_____
Connection of converter			
No-load voltage of converter U_{di} [V]			
Line frequency f [Hz]			
Ambient temperature			
Additional information ¹⁾	mandatory	mandatory	mandatory

1) If you have any special requirements with regard to degree of soiling, reference voltage for the rating of insulation, etc., please enter in the Comments box

Special features/comments:

Scheduled delivery date: _____ No. of items: _____ per annum/per order Target price: _____

Documents: ☐ Dimensional drawings ☐ Load cycle ☐ Electrical data of drive ☐ _____