

SIDAC Specification Sheets

Query Form

Specification sheet for customized reactors

Recipient

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Sender

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

Date: _____

Application:

☐ Single-phase ☐ Three-phase

Please specify all currents and voltages as rms values!

☐ DC reactors (smoothing/
DC link reactors)

☐ Commutation reactors

☐ Output reactors

☐ Filter reactors

L_1 [mH]: _____

U_{Dr} [V]: _____

L_n [mH]: _____

Q_c [kvar]: _____

I_{d1} [A]: _____

u_D [%]: _____

P_{nMot} [kW]: _____

L_n [mH]: _____

L_2 [mH]: _____

I_n [A]: _____

f_{max} [Hz]: _____

$I_{n,eff}$ [A]: _____

I_{d2} [A]: _____

I_{max} [A]: _____

U_{line} [V]: _____

U_{line} [V]: _____

I_{therm} [A]: _____

U_{line} [V]: _____

f_{clock1} [Hz]: _____

f_{line} [Hz]: _____

U_{line} [V]: _____

f_{line} [Hz]: _____

I_{n1} [A]: _____

Choking [%]: _____

Ripple

Harmonics*)

f_{clock2} [Hz]: _____

Fundamental and harmonic component

DC link

I_1 [A]: _____ f_1 [Hz]: _____ I_{n2} [A]: _____ U_1 [%] = _____ I_1 [%] = _____

☐ 300 Hz ☐ _____

I_2 [A]: _____ f_2 [Hz]: _____ f_{clock3} [Hz]: _____ U_3 [%] = _____ I_3 [%] = _____

☐ 30 % ☐ _____

I_3 [A]: _____ f_3 [Hz]: _____ I_{n3} [A]: _____ U_5 [%] = _____ I_5 [%] = _____

I_4 [A]: _____ f_4 [Hz]: _____ U_7 [%] = _____ I_7 [%] = _____

I_5 [A]: _____ f_5 [Hz]: _____ U_{11} [%] = _____ I_{11} [%] = _____

*) Please list any other currents or frequencies below.

U_{13} [%] = _____ I_{13} [%] = _____

General information

Ambient temperature:

Operating mode:

Degree of protection:

Design

☐ 40 °C ☐ 55 °C

☐ Continuous duty
☐ ON-time [%] _____

☐ IP00 ☐ IP23

☐ Book format

☐ _____

Varying load according to
specifications

☐ IP _____

☐ Substructure

☐ Acc. to customer specifications

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

Converters

Rated power P_n [kW]: _____

$I_{noutput}$ [A]: _____

U_{DC} link [V]: _____

Permissible 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)

U/min_n: _____

U/min_{operation}: _____ from: _____ to: _____

Special features / comments:

Start of delivery: _____ 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 rms values!

	Iron-core smoothing reactors	Iron-core smoothing reactors	Air-core smoothing 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] at I_{dn}		_____	
Inductance L_x [mH] at $I_x (I_{max})$	_____		_____
Inductance L_0 [mH] at $I_d = 0A$	_____		_____
Connection of converter			
No-load voltage of converter U_{di} [V]			
Power supply frequency f [Hz]			
Ambient temperature			
Additional data ¹⁾	Required	Required	Required

¹⁾ If you have any special requirements with regard to the pollution degree, reference voltage for the rating of insulation, etc., please enter below under "Comments".

Special features / comments:

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

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