SIDAC Specification Sheets

Query Form

Specification sheet for customized reactors

Recipient

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Sender **Date:** _____

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

Application:
☐ Single-phase ☐ Three-phase

Please specify all currents and voltages as rms 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
DC link
☐ 300 Hz ☐ _____
☐ 30 % ☐ _____

☐ Commutation reactors
U_{Dr} [V]: _____
u_D [%]: _____
I_n [A]: _____
I_{max} [A]: _____
U_{line} [V]: _____
f_{line} [Hz]: _____
Harmonics*)
I_1 [A]:_____ f_1 [Hz]:_____
I_2 [A]:_____ f_2 [Hz]:_____
I_3 [A]:_____ f_3 [Hz]:_____
I_4 [A]:_____ f_4 [Hz]:_____
I_5 [A]:_____ f_5 [Hz]:_____
*) Please list any other currents or frequencies below.

☐ Output reactors
L_n [mH]: _____
P_{nMot} [kW]: _____
f_{max} [Hz]: _____
U_{line} [V]: _____
f_{clock1} [Hz]: _____
I_{n1} [A]: _____
f_{clock2} [Hz]: _____
I_{n2} [A]: _____
f_{clock3} [Hz]: _____
I_{n3} [A]: _____

☐ Filter reactors
Qc [kvar]: _____
L_n [mH]: _____
$I_{n,eff}$ [A]: _____
U_{line} [V]: _____
f_{line} [Hz]: _____
Choking [%]: _____
Fundamental and harmonic component
$U_{1[\%]}$ = _____ $I_{1[\%]}$ = _____
$U_{3[\%]}$ = _____ $I_{3[\%]}$ = _____
$U_{5[\%]}$ = _____ $I_{5[\%]}$ = _____
$U_{7[\%]}$ = _____ $I_{7[\%]}$ = _____
$U_{11[\%]}$ = _____ $I_{11[\%]}$ = _____
$U_{13[\%]}$ = _____ $I_{13[\%]}$ = _____

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 format
☐ 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 ☐ _____

SIDAC Specification Sheets

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Specification sheet for customized smoothing reactors, with selectable inductance and current

Recipient

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Sender **Date:** _____

Company: _____
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E-mail: _____

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
	$I_x = I_{dn}$ $L_x = L_0$	$I_x > I_{dn}$ $L_x \leq L_0$	
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 ☐ _____