Selection and ordering data

	Max. permissible continuous thermal current 6 kHz [1]	Max. permissible continuous thermal current 16 kHz	Rated current	Inductance	Total losses	Connections T = Terminal F = Flat termination	DT	Order No.	Total weight per PU approx.
	I_{thmax}	I_{thmax}	I_{Ln}	L_x	P_W				
	A	A	A	mH	W				kg
3 600 AC Hz 460 V maximum clock frequency 6 to 16 kHz									
	6.1	3.05	6.1	3.47	96	T	X	On request	8.5
	10.2	5.1	10.2	1.24	96	T	X	On request	8.5
	17.5	8.75	17.5	0.48	96	T	X	On request	8.5
	25.5	12.75	25.5	0.33	100	T	X	On request	9.5
	34	17	34	0.25	115	T	X	On request	12.0
	47	23.5	47	0.18	170	T	X	On request	16.4
	72	36	72	0.06	135	T	X	On request	14.0
	92	46	92	0.05	170	T	X	On request	16.7
	146	73	146	0.03	300	T	X	On request	23.0
	186	93	186	0.02	300	T	X	On request	31.0

[1] Within an application range of 6 kHz to 16 kHz, the current I_{thmax} can be linearly interpolated.

The selection table shows an overview of the range of reactors.

If you are interested in any of our products or need further assistance, simply copy the query form under "Specification Sheets", enter the parameters of your specific requirement profile and send it to the address provided. We will get back to you as soon as possible.

Note:

This query form is also available on our home page
www.siemens.com/sidac

SIDAC Specification Sheets

Query Form

Specification sheet for customized reactors

Recipient

mdexx GmbH
Fax: +49 421 5125-333
Tel: +49 421 5125-528/-616/-644
E-mail: Anfrage@mdexx.com

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 ☐ _____