

	Max. continuous thermal current 6 kHz ¹⁾	Max. 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} A	I_{thmax} A	I_{Ln} A	L_x mH	P_W W				kg
3 AC 460 V 600 Hz 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) When operated between 6 kHz and 16 kHz, the maximum continuous thermal current I_{thmax} follows a linear interpolation.

The selection table provides an overview of our range of reactors.

If you are interested in any of our products or need further assistance, please copy the query page provided 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 page is also available on our home page at <http://www.siemens.com/sidac>

SIDAC Specification Sheets

Query

Specification sheet for customised reactors

Recipient

mdexx
Magnetronic Devices GmbH & Co. KG
Fax: +49 421 5125-333
Tel: +49 421 5125-528/-616/-644
E-mail: MD_Inquiry.aud@siemens.com

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)

☐ 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]: _____

Reactance [%]: _____

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} [%] = _____

*) List other currents and frequencies below

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 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 ☐ _____