



SIDAC Iron-Core Smoothing Reactors

Single-phase reactors

Iron-core smoothing reactors with selectable inductance and current



	Energy content		Max. possible rated direct current (standard version)	Max. possible rated direct current ²⁾ (for an additional price)	Losses		DT	Order No. stem ³⁾	Weight per PU approx. kg
	E	I_{dn}			P_{FE}	P_W			
	Ws	A (DC)	A (DC)	W	W				
4EM iron-core smoothing reactors									
 4EM	0.112	40	200	0.1	10.7	X	4EM46	0.500	
	0.14	40	200	0.15	12.1	X	4EM47	0.600	
	0.28	40	200	0.2	15.9	X	4EM48	1.100	
	0.5	40	200	0.4	20.4	X	4EM49	2.000	
	0.71	40	250	0.5	24.7	X	4EM50	2.700	
	1.0	40	250	0.6	27.1	X	4EM51	3.500	
	1.25	40	250	0.7	31	X	4EM61	4.300	
	1.6	40	400	0.8	35	X	4EM52	5.100	
	2.25	40	400	1	39	X	4EM62	7.000	
	2.5	40	400	1.1	47	X	4EM53	7.600	
	3.55	40	400	1.5	52	X	4EM54	10.200	
	5.0	40	400	2.3	58	X	4EM55	13.200	
	6.3	40	400	2.5	65	X	4EM59	15.000	
	7.7	40	400	3	71	X	4EM60	18.000	
4ET iron-core smoothing reactors									
 4ET	4.5	50	630	1.6	105	X	4ET25	11.200	
	8.0	50	630	2.5	137	X	4ET27	17.400	
	11.2	50	630	3.5	176	X	4ET30	23.700	
	22.5	200	630	5.4	315	X	4ET36	37.000	
	31.5	200	630	7.1	400	X	4ET39	48.000	
	56	200	630	11	516	X	4ET43	75.000	
	71	200	630	15	554	X	4ET45	94.000	
	100	200	630	19	595	X	4ET47	123.000	
	112	630	800	19	1080	X	4ET51	130.000	
	125	630	800	22	1120	X	4ET52	143.000	
	140	630	800	24	1160	X	4ET53	157.000	
	180	630	800	30	1360	X	4ET54	194.000	
	200	630	800	33	1400	X	4ET55	213.000	
	250	630	800	38	1460	X	4ET56	252.000	
	315	630	1000	48	2160	X	4ET58	297.000	
	355	630	1000	55	2250	X	4ET59	331.000	
	400	630	1000	62	2370	X	4ET60	372.000	
	500	1250	1600	76	2900	X	4ET62	459.000	
	630	1250	1600	88	3030	X	4ET63	538.000	
	710	1250	1600	101	3200	X	4ET64	604.000	
	910	1250	1600	116	3360	X	4ET65	712.000	
1250	1600	2500	185	5580	X	4ET72	1050.000		
1600	2000	2500	214	6080	X	4ET74	1240.000		
2250	2000	2500	278	6700	X	4ET75	1600.000		
2800	2000	2500	347	7420	X	4ET76	1960.000		
3550	2000	2500	407	7930	X	4ET78	2350.000		
4500	2000	2500	510	8700	X	4ET79	2890.000		
6300	2000	2500	650	9650	X	4ET80	3700.000		

Packaging size for reactors: 1 unit, i.e. 1 unit or a multiple thereof can be ordered.

¹⁾ 4EM46 to 4ET54 - UL Recognized.

²⁾ Higher rated direct current I_{dn} for reduced energy content on request.

³⁾ Additional technical specifications must be specified in plain text. The type designation will be added to the Order No. on the delivery note, so that you will know the exact order number if you need to re-order a reactor. For further information, see "Specification Sheets", "Specification sheet for customised smoothing reactors, selectable inductance and current". If you need any further assistance or have any queries, please e-mail: Anfrage@mdexx.com.

SIDAC Specification Sheets

Query Form

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

Recipient

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

Sender

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

Date: _____

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 _____