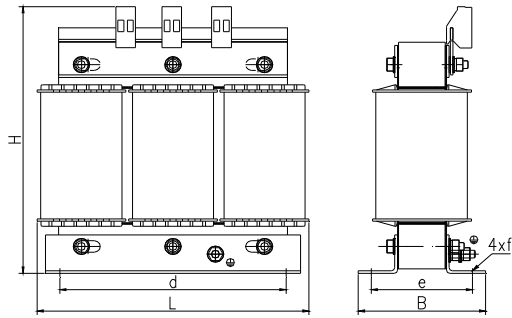
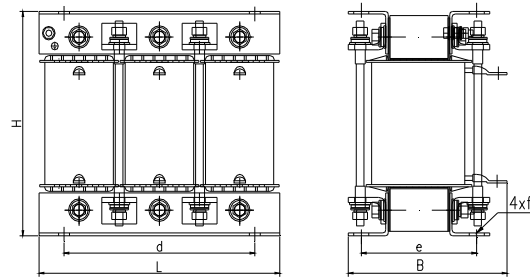


Three-phase protective chokes
for harmonics filtration in compensation systems $p=7\%$
(rated voltage of capacitive battery 440V)

ED3F-
..*/400/7



Design A



Design B

Technical data:

Design	Chokes are produced according to : EN/IEC 61558-2-20; EN/IEC 60938
Rated voltage of capacitors	440
Rated supply voltage	400 V
Frequency	50 Hz
Attenuation coefficient [p]	7% ($f_r=189\text{Hz}$)
Insulation class	F(155°C) - standard
Ambient temperature	40°C
Climatic class /environmental class	C1/E0 - land design C2/E1 - maritime design
Protection degree	IP 00
Magnetic linearity	$I_{LIN}=1,15 \cdot I_n$
Thermal current	$1,06 \times I_n$

Chokes are assigned for operation in reactive power compensation systems to protect capacitive batteries. Together with capacitors, they form resonance systems which limit amplitude of harmonics currents.

It is possible to manufacture the chokes with various coil terminals like screw terminal blocks, cable lugs or copper bus bars, depending on the rated current. There is also a possibility to insert sensors in windings, in order to protect the chokes against overheating.

Q_{LC} - rated reactive power of LC circuit (choke-capacitor)

U_{LC} - rated voltage of the LC circuit

P -attenuation coefficient

Q_C - rated reactive power of the capacitive battery

U_C -rated voltage of the capacitive battery

L_N - rated inductance of the protective choke

I_N - rated current of the LC circuit

Technical data for rated voltage of capacitive battery 440V

Type of the choke [$Q_{LC}/U_{LC}/p$ Q_C/U_C]	Power of battery [kVAr]	L_N [mH]	I_N [A]	L [mm]	B [mm]	H [mm]	d [mm]	e [mm]	f [mm]	Weight [kg]	Design
ED3F-2,2/400/7-2,5/440	2,5	17,25	3,2	125	71	141	100	55	5x8	2,3	A
ED3F-4,4/400/7-5/440	5	8,63	6,4	155	77	160	130	57	8x12	3,2	A
ED3F-8,9/400/7-10/440	10	4,31	12,8	195	92	190	173	72	8x11	5,7	A
ED3F-11,1/400/7-12,5/440	12,5	3,45	16	195	102	190	173	82	8x11	7,3	A
ED3F-13,3/400/7-15/440	15	2,88	19,2	195	112	190	173	92	8x11	8,4	A
ED3F-17,8/400/7-20/440	20	2,16	25,7	208	98	210	173	78	8x11	9	A
ED3F-22,2/400/7-25/440	25	1,73	32,1	208	140	185	173	85	8x11	11,2	B
ED3F-26,6/400/7-30/440	30	1,44	38,5	240	155	210	198	95	11x29	13,2	B
ED3F-35,5/400/7-40/440	40	1,08	51,3	240	160	210	198	115	11x29	19,2	B
ED3F-44,4/400/7-50/440	50	0,86	64,1	240	175	210	198	129	11x29	22,2	B
ED3F-53,3/400/7-60/440	60	0,72	77	261	165	230	198	126	11x29	28	B
ED3F-66,6/400/7-75/440	75	0,58	96,2	300	180	270	240	133	11x15	32	B
ED3F-88,8/400/7-100/440	100	0,43	128,3	300	200	270	240	160	11x15	43	B

Note:

Manufacturer reserves the right to make changes resulting from the continuous development of products offered.

If requested in advance, it is possible to manufacture a choke in other version.

For designs with climatic/environmental class C2/E1 the letter "M" ought to be added

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ED/2010/V/10