

Type code:

- DNFZ: Three-phase line filter / two step

Generally:

- Two step filters cause:
- Attenuation of very high mains borne radio interference voltages out off the system and off the connected loads.
- Degree of protection IP20 / -Dimensioning for pollution severity P2
- Metallic enclosure with ground connection as preparation for fitting in gears and systems of class of protection I
- maximum ambient temperature 40°C (climatic category 40/085/00 acc. to IEC68-1) / Insulation class B
- Frequency 50 to 60 Hz (see leakage currents in table)
- Voltage drop < 1V (concerning 50 Hz)
- Inductance tolerance +50% / -30%
- Vacuum-encapsulated
- Dimensioned for continuous operation (ED = 100 %)
- Connections on terminals - shockproof acc. to VBG4

Standards and basics:

- VDE0565-3 (IEC 60940)
- „Guideline for the use of capacitors, resistances, reactors and complete filter units for the suppressing of electromagnetic interference“
- IEC68-1 (EN 60086-1) "Environmental tests"
- General technical conditions and information

- Nominal voltage:

400 V



Type designation, nominal currents, leakage currents, dimensions and weights for the types DNFZ

Type designation	Nennstrom in A	max. leakage current at 250V / 50Hz in mA	max. leakage current at 250V / 60Hz in mA	a in mm	b in mm	c in mm	Cu-weight in kg	total weight in kg
DNFZ3	3	19	23	280	50	45	0,08	1,0
DNFZ4	4	19	23	280	50	45	0,08	1,0
DNFZ6,3	6,3	19	23	280	50	45	0,08	1,0
DNFZ8	8	19	23	280	85	45	0,12	1,2
DNFZ10	10	19	23	280	85	45	0,13	1,2
DNFZ16	16	27	33	300	120	65	0,22	4,0

DNFZ2	20	27	33	300	120	65	0,22	4,0
DNFZ25	25	152	183	300	120	65	0,35	4,
DNFZ30	30	152	183	370	120	65	0,4	4,1
DNFZ36	36	152	183	370	120	65	0,45	4,1
DNFZ50	50	218	262	370	120	65	0,7	4,3
DNFZ63	63	226	271	420	170	90	0,9	5,2
DNFZ80	80	226	271	420	170	90	1,1	9,4
DNFZ100	100	231	277	500	170	90	2,6	15,3
DNFZ125	125	231	277	500	170	90	2,6	15,3
DNFZ160	160	234	277	500	170	132	5,0	18,0
DNFZ180	180	234	277	500	170	132	5,0	18,0
DNFZ200	200	234	277	500	170	132	5,0	18,0
DNFZ250	250	324	390	650	260	140	10,0	31,0
DNFZ300	300	324	390	650	260	140	10,0	31,0
DNFZ350	350	324	390	650	260	140	14,5	37,5
DNFZ400	400	324	390	650	260	210	14,5	37,5
DNFZ450	450	324	390	650	260	210	20,5	42,5
DNFZ500	500	324	390	650	260	210	20,5	42,5

Options (on inquiry)

- Variants of connection (litz wires, clamp-type terminals, terminal studs or copper flat-bars)

- Filters for other operating conditions