

Type code:

- **DNFM: Three-phase line filter / single-stage / for medical rooms**

Generally:

- Single-stage filters cause:
- Attenuation of the mainsborne radio interference voltage out of the system and of the connected loads. (raising of the noise immunity of the gears or machines connected on load side)
- Degree of protection IP20
- Metallic enclosures with ground connection as preparation for fitting in gears and systems of class of protection I
- Dimensioning for pollution severity P2
- 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 DNFM

Type designation	Nominal current 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
DNFM3	3	0,1	0,12	180	50	45	0,04	0,6
DNFM4	4	0,1	0,12	180	50	45	0,04	0,6
DNFM6,3	6,3	0,1	0,12	180	50	45	0,04	0,6
DNFM8	8	0,1	0,12	180	50	45	0,06	0,7
DNFM10	10	0,1	0,12	180	50	45	0,065	0,7

DNFM16	16	0,1	0,12	200	120	65	0,11	2,3
DNFM20	20	0,1	0,12	200	120	65	0,11	2,3
DNFM25	25	0,1	0,12	200	120	65	0,17	2,3
DNFM30	30	0,1	0,12	200	120	65	0,21	2,4
DNFM36	36	0,1	0,12	200	120	65	0,25	2,4
DNFM50	50	0,1	0,12	200	120	65	0,35	2,5
DNFM63	63	0,1	0,12	350	170	90	0,45	3,0
DNFM80	80	0,1	0,12	350	170	90	0,55	5,5
DNFM100	100	0,1	0,12	350	170	90	1,3	9,0
DNFM125	125	0,1	0,12	350	170	90	1,3	9,0
DNFM160	160	0,1	0,12	350	170	132	2,5	10,5
DNFM180	180	0,1	0,12	350	170	132	2,5	10,5
DNFM200	200	0,1	0,12	350	170	132	2,5	10,
DNFM250	250	0,1	0,12	530	260	140	5,0	18
DNFM300	300	0,1	0,12	530	260	140	5,6	18
DNFM350	350	0,1	0,12	530	260	140	7,1	22
DNFM400	400	0,1	0,12	530	260	210	7,1	22
DNFM450	450	0,1	0,12	530	260	210	10,0	25
DNFM500	500	0,1	0,12	530	260	210	10,0	25

Options (on inquiry)

- Variants of connections (litz wires, clamp-type terminals or terminal studs)
- Filters for other operating conditions
- Filters in plastic packages