

Data Sheet no. 8.11/4

Modular-Type Reactors

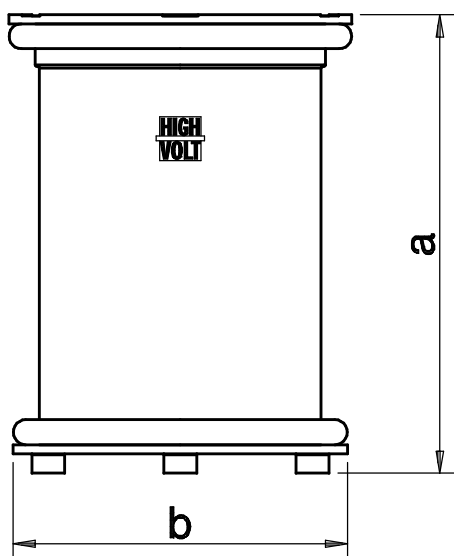
Description:

Modular-Type Reactors have been developed for the use in resonant test systems with variable frequency for the on-site testing of GIS, short cables and other components.

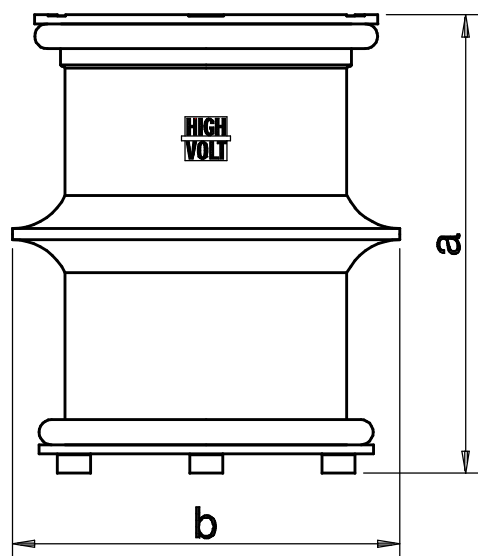
These modular reactors consist of a bar core with

an oil-paper-insulated layer-type HV windings being located in an oil-filled plastics cylinder. The modular design enables to form cascades up to four modules as well as the parallel connection of several modules or cascades, and thereby an optimal adaptation to the test voltage and test object capacitance.

Model A



Model B



Type		DEM 170/80-2.1	DEM 360/150-2.4	DEM 640/220-6.4	DEM 1850/230-8.8	DEM 970/230-4.2	DEM 830/230-3.6
Model		A	A	B	B	B	B
Inductance	H	120	200	50	75	175	200
Voltage	kV	80	150	220	230	230	230
Current; Duty cycle	A	2.1 25 min	2.4 1h ON-3h OFF, 3 cycles/day	6.4 10 min	7 20 min	4.2 20 min	3.6 20 min
Load capacitance	nF	2.4 - 84	1.4 – 50	5.7 - 42	3.8 - 111	1.6 - 58	1.4 - 50
Frequency range	Hz	50 - 300	50 – 300	110 - 300	55 - 300	50 - 300	50 - 300
Height (a)	mm	655	1040	775	970	970	1040
Diameter (b)	mm	570	835	800	830	830	880
Weight	kg	270	860	420	530	690	690

Realised examples, modification of the technical data on request.

Type designation:

DEM a/b-c

a – equivalent 50 Hz test power

b – rated voltage

c – rated current

For further information please contact:

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