

Neutral Earthing Resistors – safety conscious

HEINE Resistor worlds

Our neutral earthing resistors are used for the following applications:

earth - prevent damage to grid-connected systems as transformers or generators

Characteristics

- approved and trusted HEINE resistor technology inside
- robust design
- variety of materials enable installations at any site (inside, outside, on-/ off-/ nearshore)
- modular system of standardized enclosure sizes allows us to realize a short delivery time

Standardized enclosures

Dimensions of our standard solutions				
Insulation class	Enclosure type	Length [mm]	Max. Width [mm]	Height [mm]
12 kV	A1	920	1270	1306
	A2	920	1270	1768
	B	1350	1270	1768
	C	1775	1270	1768
24 kV	A1	1180	1470	1422
	A2	1180	1470	1948
	B	1710	1470	1948
	C	2235	1470	1948
36 kV	A1	1450	1470	1722
	A2	1450	1470	2248
	B	2080	1470	2248
	C	2705	1470	2248

References



EWD 23;
36 kV; 200 A / 10 s; IP54



EWD 12;
24 kV; 2000 A / 0,5 s; IP23



EWD 35;
52 kV; 30 A / 20 s; 9 A cont.; IP23

Technical data and features

Nominal voltage	up to 145 kV
Fault current	up to 10 kA
Enclosure characteristics	Power switch
IP00...55	Vacuum breaker
Different galvanized and stainless steel grades	Off-load Disconnecter (manual or motor drive)
Powder coated in accordance to RAL codes	On-load Disconnecter (manual or motor drive)
Fan cooling	Terminal box with 110 or 220 VDC
Special equipment	Service
Current transformer	Factory Acceptance Test (FAT)
Voltage transformer	Site Acceptance Test (SAT)
Thermostat control outgoing air	Customer Training
NER Monitoring system	Spare parts and after sales
Surge arrester	
Neutral transformer resistor	
Applicable standards	
IEC 50386 Bushings up to 1 kV and from 250 A to 5 kA	
IEC 60071-1 Insulation co-ordination – Part1: Definitions, principles and rules	
IEC 60273 characteristics of indoor and outdoor post insulators above 1 kV	
IEC 60529 Degrees of protection provided by enclosures (IP Code)	
ANSI/IEEE-Std 32 Standard requirements, terminology and test procedure for NER	

Market

Energy provider, manufacturer of transformers and generators, renewable energy, Oil & Gas

Industries



Automation & drives



Transport & logistics



Plant engineering



Power generation

Worlds
earth

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