

TEST REPORT

OF TESTING OF MEDIUM VOLTAGE PIN TYPE INSULATORS

VHD - 20

№2087 / 02.04.2019

OBJECT OF TESTING: MEDIUM VOLTAGE PIN TYPE INSULATOR VHD - 20

MANUFACTURER: NIKDIM LTD. 80 "23Shipchensky Polk" bul, Kazanlak, Bulgaria

NAME AND NUMBER OF STANDARTISATION DOCUMENTS:

- IEC EN 60383-1:1993 Insulators for overhead lines with a nominal voltage above 1000 V - Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria.

TYPE OF TESTING: CONTROL TESTING

QUANTITY OF TASTED SAMPLES: 1 piece



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1. **OBJECT OF TESTING:** MEDIUM VOLTAGE PIN TYPE INSULATOR VHD - 20

MAIN TECHNICAL DATA:

- maximum voltage	24 kV
- rated frequency	50Hz

Insulators are made of electro porcelain type C110 according to IEC EN 60672.

2. TYPE OF TESTING:

Control testing according to Program and methodology for control testing ND 00.95.00

RESULTS OF TESTING				
No	Name of indicator	Requirements IEC EN 60383:1993	Results of testing	Conclusion
1.	Check of the sizes and examination of the surface	-	Correspond	Yes
2.	Power frequency withstand voltage, kV - Wet - Dry	65 85	Correspond	Yes
3.	Creepage distance, mm	-	400	Yes
4.	Cantilever failing load	12 kN	13.5 kN	Yes
5.	Thermal resistance	3 c. x 70°C, t=18 min.	Correspond	Yes

CONCLUSION: Tested insulators type VHD - 20 correspond to the requirements of IEC EN 60383-1:1993.

TEST WAS

CONDUCTED BY:.....

/M. Balkanski/

HEAD OF THE

TEST LABORATORY:

/eng. M. Georgieva

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