

 <p>ISO 9001 OBAC/002/SZJ/20</p>	<p>P.H.P.U. IZOL PLAST</p> <p>Sp. z o.o. 44-362 Rogów ul. Raciborska 79 tel./fax 32-4512444, 32-4512010 www.izol-plast.rogow.pl</p>	INDEX CARD
		<p>Bushings ceramic series PTH full-eyed</p>

Application:

Ceramic bushings, PTH series, fully wrapped, manufactured by PPHU "Izol-Plast" Sp. z o. o. are manufactured as a spare part for the refurbished and repaired flameproof IT3Sb, IT3Sc, IT3Sd transformer stations manufactured by Mikołowska Fabryka Transformatorów "MEFTA" (Alstom) in Mikołów, built in the HiC insulation class.

Insulators of the PTH series are built in a fully wrapped version, i.e. the insulator includes:

- 1kV or 6kV insulator porcelain, suitable for insulator type,
- pin suitable for the type of insulator,
- metal washers and nuts,
- metal flange with a flameproof surface
- sealing mass and filling-sealing mass.

Type (designation)	Nominal diameter of the clamps	Maximum torque acting on clamp [Nm]
PTH 1/500	M16	50
PTH 1/600	M20	85
PTH 1/800	M24	130
PTH 6/200	M10	16
PTH 3-6/200	M10	16

Type (designation)	PTH 1/500	PTH 1/600	PTH 1/800	PTH 6/200	PTH 3-6/200
Rated voltage [kV]	1,2	1,2	1,2	6,6	6,6
Rated current [A]	500	600	800	200	200
Number of pins [pieces]	1	1	1	1	3



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Series of types of the fully wrapped PTH bushings:



1. PTH 1/500

Bushing from the main chamber of the flameproof transformer to the DN equipment chamber in 315kVA, 6 / 1kV and 400kVA, 6 / 1kV stations, and also DN of It3Sf 1000kVA stations.



2. PTH 1/500 II

Bushing from the main transformer chamber to the DN equipment chamber in 630kVA, 6 / 1kV stations.



3. PTH 1/500 N

Bushing from the DN equipment chamber of the transformer to the DN connection chamber at 315kVA, 6 / 1kV and 400kVA, 6 / 1kV, and 1000kVA stations.



4. PTH 1/500 N-II

Bushing from the DN equipment chamber of the transformer to the DN connection chamber in 630kVA stations, 6 / 1kV.



5. PTH 1/600

Bushing from the main transformer chamber to the DN equipment chamber for a 500kVA, 6 / 0.5kV transformer station.



6. PTH 1/600 N

Bushing from the apparatus compartment to DN connection chamber for a 500kVA, 6 / 0.5kV transformer station.



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Bushings ceramic series PTH full-eyed

Series of types of the fully wrapped PTH bushings:



7. PTH 1/800

Bushing from the main transformer chamber to the DN equipment chamber for the 630kVA, 6 / 0.5kV transformer station.



8. PTH 1/800 N

The bushing from the DN apparatus chamber to the DN chamber of this transformer station 630kVA, 6 / 0.5kV.



9. PTH 6/200

Bushing from the GN apparatus chamber to the connection chamber of all types of flameproof transformers production of the former Fabryka Transformatorów "MEFTA" Mikołów



10. PTH 3-6/200

The bushing is designed as tap changer for all types flameproof transformers produced by the former "MEFTA" Fabryka Transformatorów.

Opinions, judgments:

The bushings of the PTH 1/500, 1/600, 1/800, 6/200, 3-6 / 200 series have a positive Attestation Opinion along with the KD "Barbara" Decision, number **No. KD - 4/5772/2000/1600 /inż.DP Reg. No. T-2029**

Feature of explosion-proof construction: **ExdI KDB Nr 00.463X .**