

PPC Porcelain Medium Voltage Post Insulators

IEC

Wide Variety of Medium Voltage Post Products

Over 130 years of Experience.

PPC Insulators is a specialist in the field of high voltage porcelain solutions with more than 130 years of experience in designing and manufacturing solid core post insulators.

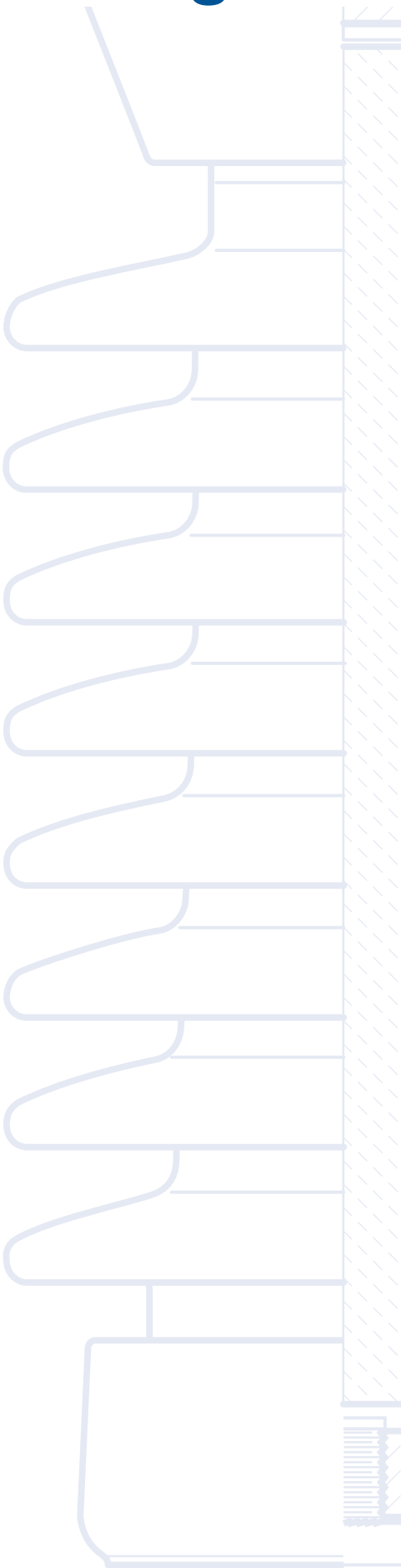
Now, PPC Insulators is able to respond quickly and comprehensively also to customer demands regarding Medium Voltage post insulators. PPC Medium Voltage porcelain post insulators are solutions for reliable and prolonged use with no measurable aging in all power system facilities.

Quality of PPC Porcelain MV insulators

Compliance with all globally requested quality standards and exceed international standards and norms to provide ample safety margins for its customers:

- IEC © Standards 60273
- ISO 9001
- ISO 14001

Porcelain solution for unlimited lifetime



Index



Page	Title
2	INTRODUCTION
3	INDEX
4	PPC EUROPE
5	WHY CHOOSE PPC
6	PRODUCT & PACKING DETAILS
7	BIL 60 kV
8	BIL 75 kV
9	BIL 95 kV
10	BIL 125 kV
12	BIL 150 kV
14	BIL 170 kV
16	BIL 200 kV
18	BIL 250kV
20	BIL 325 kV



Porcelain Insulators from PPC are manufactured and tested under strict production and quality control, in full accordance with IEC 60273. All MV insulators are stocked and delivered from PPC Europe.

- Proximity to each market with a worldwide footprint guarantees the excellent availability of PPC's products
- A comprehensive local customer service guaranteed by our global sales organization and supported by highly qualified local PPC representatives that provide competent personal service to every single customer
- Quick responses to our customers' delivery requirements by combining modern tools for design and leveraging our multiple manufacturing sites and warehouses
- Tailored solutions serving customer specific design requirements by PPC's international engineering team



Why Choose PPC for Supply of MV Insulators?

PPC's experience, developed technology, and persistent quality stand behind its reputation of the long term and professional partner with a high level of reliability in its product and services.



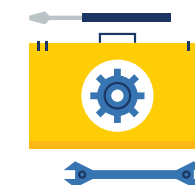
Legacy & Expertise
Over 130 years of experience.



Fast response time to our customers's inquiries and delivery needs.



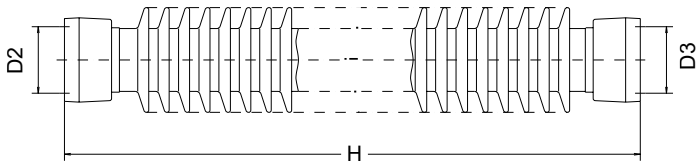
Partnership and striving for building mutually beneficial long term relations.



Understanding of customer needs and high level of services.

PPC MV porcelain post insulators are solutions for reliable and prolonged use with no measurable aging in all power system facilities.

PPC Insulators offers better services with short delivery time for IEC post insulators ≤ 325kV BIL.



Standard Product Details

BIL (kV)	Height H (mm)	Bending Strength Range (kN)	Pollution Class Range *	Creepage Distance up to (mm)	Top PCD Pitch Circle Diameter D2 (mm)	Bottom PCD Pitch Circle Diameter D3 (mm)
60	190	4 to 8	a to d	190	76 (4 x M12)	76 (4 x M12)
75	215	4 to 8	a to c	250	76 (4 x M12)	76 (4 x M12)
95	255	4 to 12,5	a to c	380	76 (4 x M12)	76 (4 x M12)
125	305	4 to 12,5	a to d	600	76 (4 x M12)	76 (4 x M12)
150	355	4 to 10	a to d	660	76 (4 x M12)	76 (4 x M12)
170	445	4 to 10	a to e	1 120	76 (4 x M12)	76 (4 x M12)
200	475	4 to 12,5	a to d	913	76 (4 x M12)	76 (4 x M12)
250	560	4 to 12,5	a to e	1 620	76 (4 x M12)	76 (4 x M12)
325	770	4 to 12,5	a to e	2 260	127 (4 x M16)	127 (4 x M16)

* Pollution Class Range:

- a = 12,7mm/kV
- b = 16,0mm/kV
- c = 20,0mm/kV
- d = 25,0mm/kV
- e = 31,0mm/kV

Standard Packing Details

IEC description	PPC Catalogue No.	Quantity of Units per Pallet
C8 - 60 - 190	342 150 4D34 0814	48
C8 - 75 - 250	342 150 4D35 0814	32
C12,5 - 95 - 380	342 150 4D36 0814	40
C8 - 125 - 600	342 150 4D37 0814	32
C12,5 - 125 - 600	342 150 4D38 0814	32
C6 - 150 - 660	342 150 4D10 0814	40
C10 - 150 - 660	342 150 4D11 0814	40
C6 - 170 - 900	342 150 4D12 0814	24
C10 - 170 - 1120	342 150 4D13 0814	24
C8 - 200 - 913	342 150 4D14 0814	24
C12,5 - 200 - 913	342 150 4D15 0814	24
C6 - 250 - 1620	342 150 4D16 0814	24
C12,5 - 250 - 1620	342 150 4D17 0814	24
C12,5 - 325 - 1450	342 150 4D18 0814	12
C12,5 - 325 - 2260	342 150 4D19 0814	12

TYPE

BIL 60 kV

PPC Catalogue No.: 342 150 4D34 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D34 0 M	
Mechanical strength	8	kN
BIL	60	kV
Minimum CD	190	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	7.2	kV
Core Diameter	65	mm
Max. Shed/Outer Diameter	185	mm
Porcelain Weight	2.2	kg
Assembled Weight	5	kg
Height	190	mm
Large Sheds	2	
Small Sheds	0	

4 TAPPED HOLES M12x1,75 ON 76 B.C. - DEEP 14

TOP

190 ±1

ø185

ø76

ø100

PPC SANTANA

DIMENSIONAL CHARACTERISTICS

LEAKAGE DISTANCE MINIMUM	mm	190
DRY ARcing DISTANCE	mm	145

MECHANICAL CHARACTERISTICS

CANTILEVER STRENGTH	kN	8
TORSIONAL STRENGTH	kN.m	0,8

ELECTRICAL CHARACTERISTICS

LIGHTNING IMPULSE WITHSTAND VOLTAGE	kV	60
POWER FREQUENCY WITHSTAND (WET)	kV	20

PACKING CHARACTERISTICS

UNIT NET WEIGHT	kg	5
-----------------	----	---

BOTTOM

4 TAPPED HOLES M12x1,75 ON 76 B.C. - DEEP 14

ø76

ø100

NOTES :

- 1- TOLERANCES ACCORDING TO IEC 60168
- 2- NUMBER OF SHEDS : 2
- 3- ALL FERROUS PARTS ARE HOT DIP GALV. PER ASTM A-153
- 4- DIMENSIONS IN MILLIMETERS
- 5- COLOUR: BROWN OR GRAY
- 6- PORCELAIN MATERIAL: ACCORDING TO IEC 60672-3 CLASS C-110

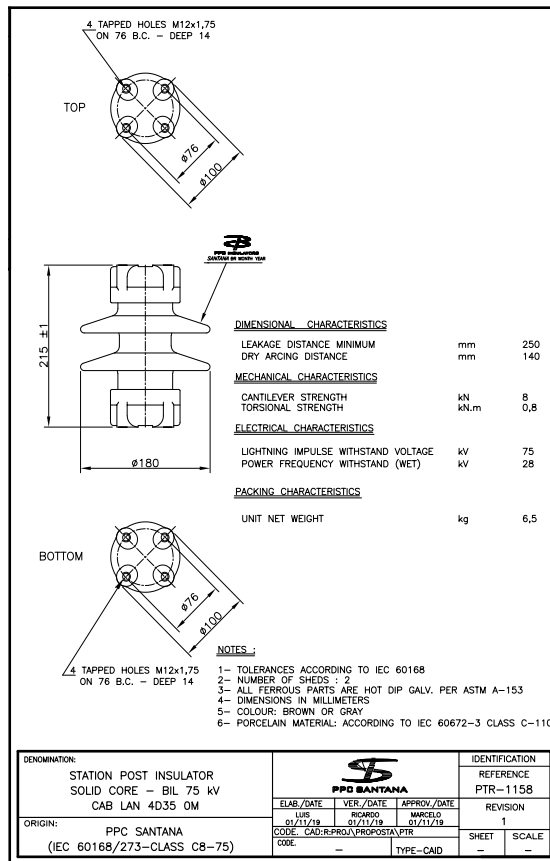
DENOMINATION:		PPC SANTANA		IDENTIFICATION	
STATION POST INSULATOR		SOLID CORE - BIL 60 kV		REFERENCE	
CAB LAN 4D34 0M		CAB LAN 4D34 0M		PTR-1157	
ELAB./DATE	VER./DATE	APPROV./DATE	REVISION		
LUP 31/10/18	RICARDO 31/10/18	MARKELD 31/10/18	1		
ORIGIN:	PPC SANTANA	CODE: CAD/PROJ/PROP/STAV/PTR	SHEET		
(IEC 60168/273-CLASS C8-60)		CODE -	SCALE		
		TYPE-CAD			

TYPE

BIL 75 kV

PPC Catalogue No.: 342 150 4D35 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D35 0 M	
Mechanical strength	8	kN
BIL	75	kV
Minimum CD	250	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	12	kV
Core Diameter	70	mm
Max. Shed/Outer Diameter	180	mm
Porcelain Weight	4	kg
Assembled Weight	6.5	kg
Height	215	mm
Large Sheds	2	
Small Sheds	0	

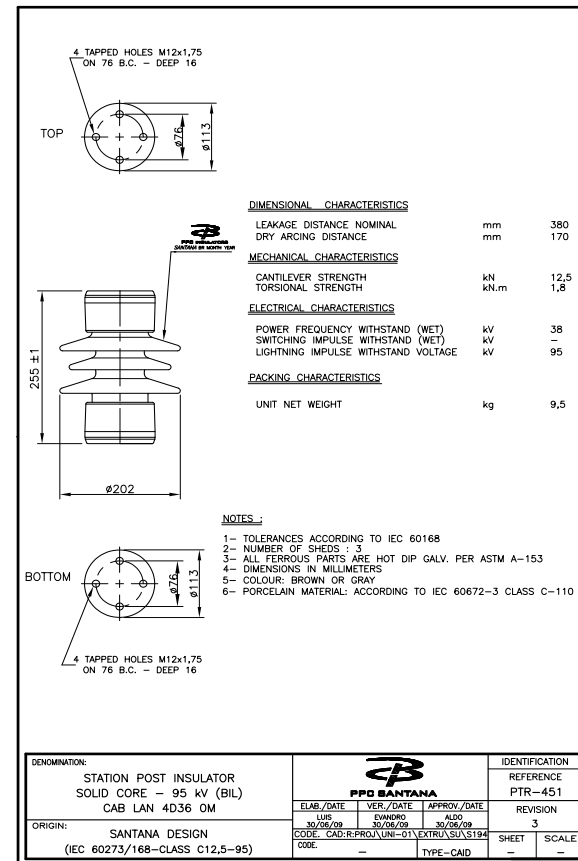


TYPE

BIL 95 kV

PPC Catalogue No.: 342 150 4D36 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D36 0 M	
Mechanical strength	12.5	kN
BIL	95	kV
Minimum CD	380	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	17.5	kV
Core Diameter	87	mm
Max. Shed/Outer Diameter	192	mm
Porcelain Weight	6	kg
Assembled Weight	9.5	kg
Height	255	mm
Large Sheds	2	
Small Sheds	1	

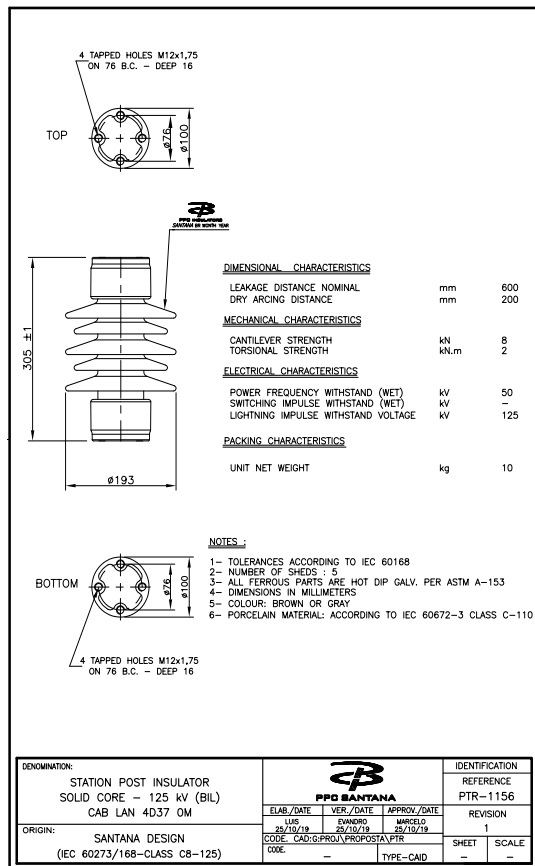


TYPE

BIL 125 kV

PPC Catalogue No.: 342 150 4D37 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D37 0 M	
Mechanical strength	8	kN
BIL	125	kV
Minimum CD	600	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	24	kV
Core Diameter	86	mm
Max. Shed/Outer Diameter	193	mm
Porcelain Weight	7.5	kg
Assembled Weight	10	kg
Height	305	mm
Large Sheds	3	
Small Sheds	2	

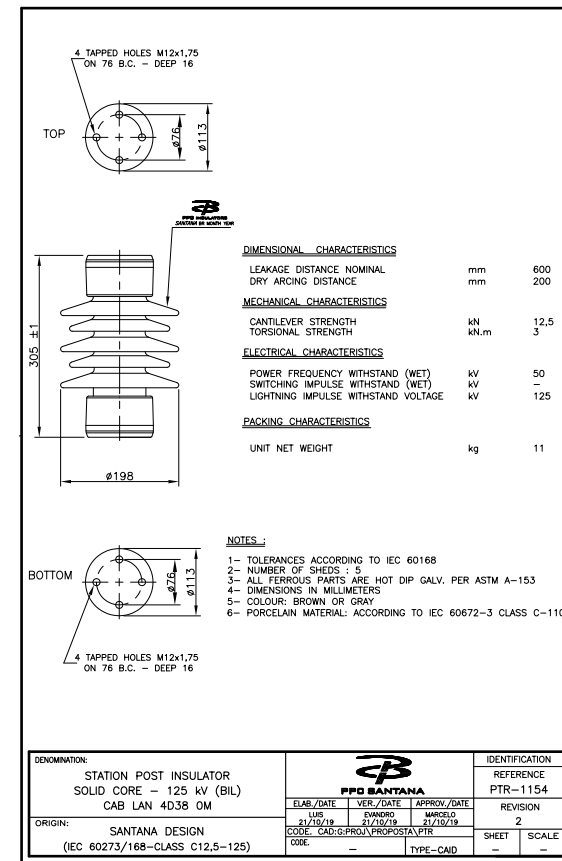


TYPE

BIL 125 kV

PPC Catalogue No.: 342 150 4D38 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D38 0 M	
Mechanical strength	12.5	kN
BIL	125	kV
Minimum CD	600	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	24	kV
Core Diameter	88	mm
Max. Shed/Outer Diameter	198	mm
Porcelain Weight	8	kg
Assembled Weight	11	kg
Height	305	mm
Large Sheds	3	
Small Sheds	2	

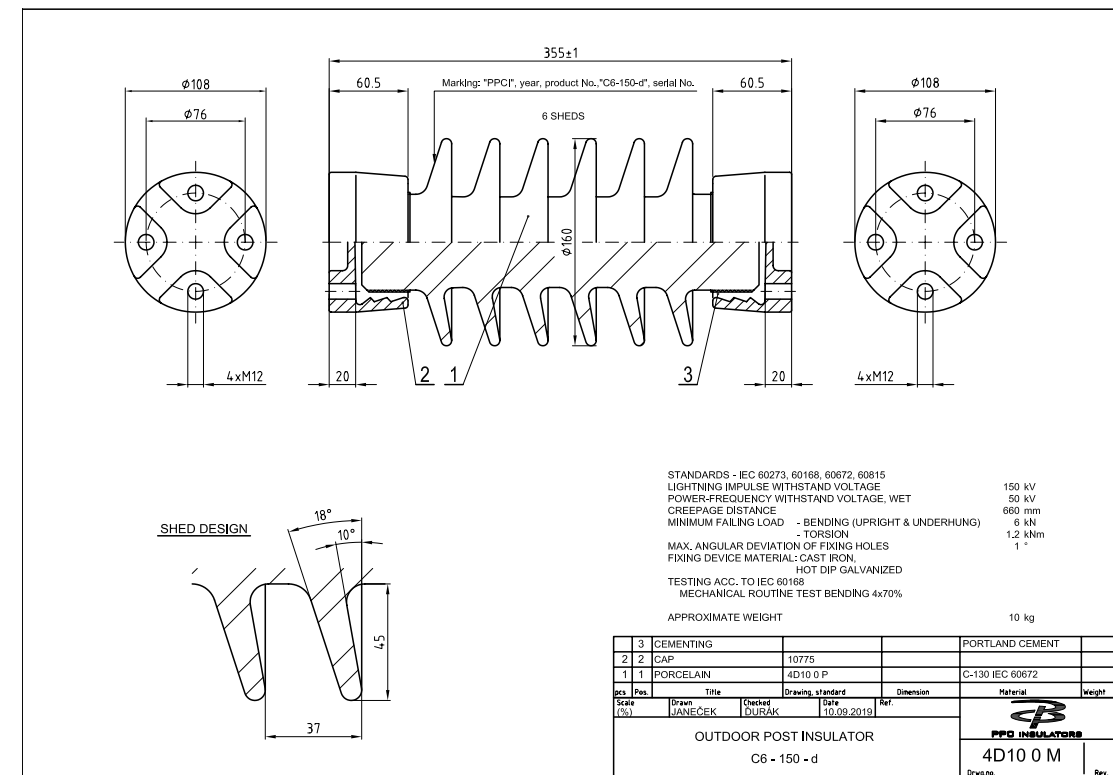


TYPE

BIL 150 kV

PPC Catalogue No.: 342 150 4D10 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D10 0 M	
Mechanical strength	6	kN
BIL	150	kV
Minimum CD	660	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	26.4	kV
Core Diameter	70	mm
Max. Shed/Outer Diameter	160	mm
Porcelain Weight	6.5	kg
Assembled Weight	10	kg
Height	355	mm
Large Sheds	6	
Small Sheds	0	

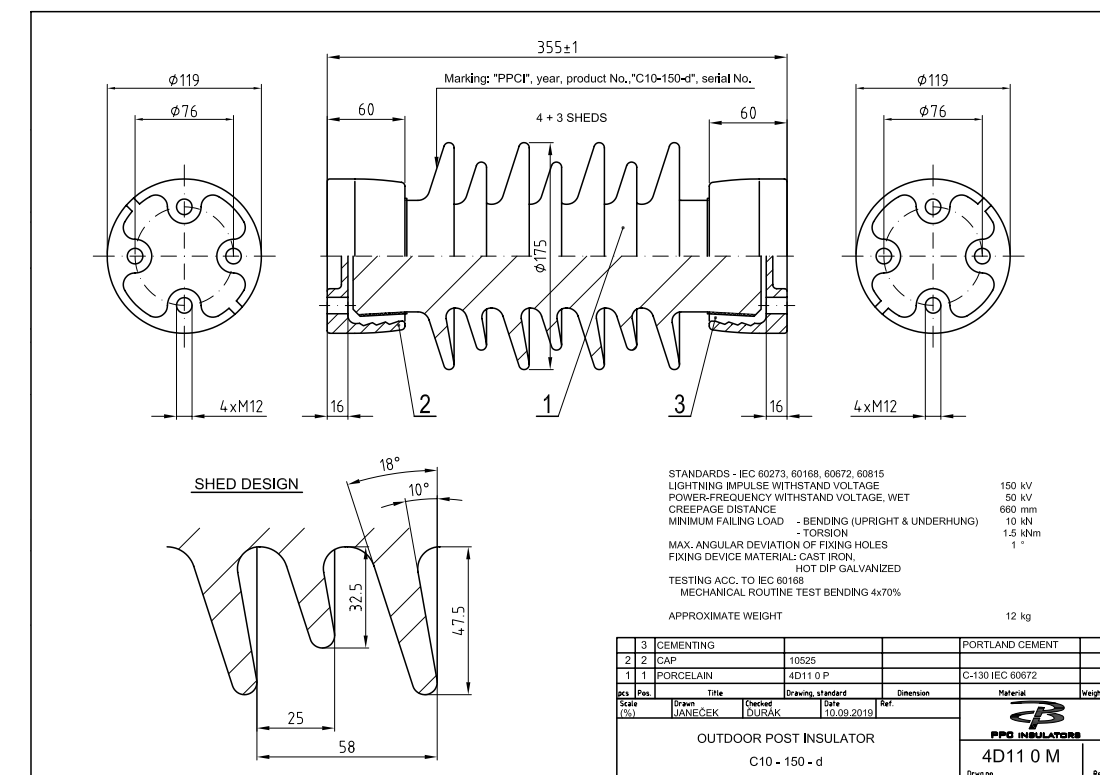


TYPE

BIL 150 kV

PPC Catalogue No.: 342 150 4D11 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D11 0 M	
Mechanical strength	10	kN
BIL	150	kV
Minimum CD	660	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	26.4	kV
Core Diameter	90	mm
Max. Shed/Outer Diameter	175	mm
Porcelain Weight	8	kg
Assembled Weight	12	kg
Height	355	mm
Large Sheds	4	
Small Sheds	3	

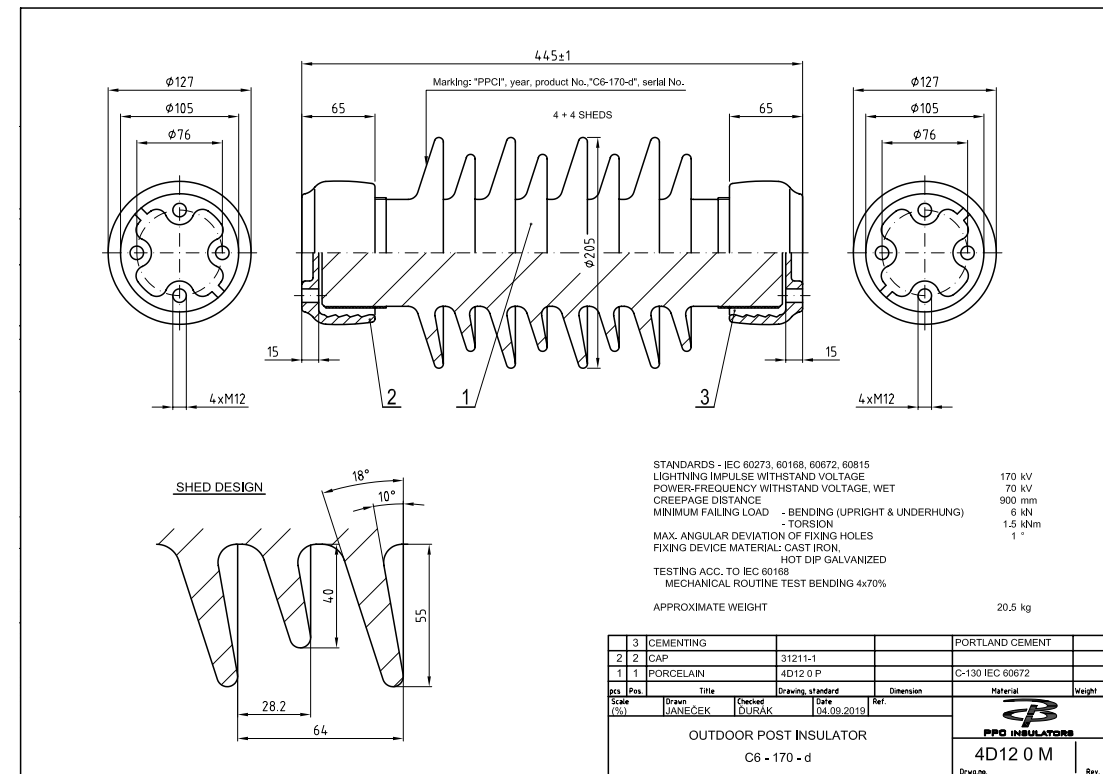


TYPE

BIL 170 kV

PPC Catalogue No.: 342 150 4D12 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D12 0 M	
Mechanical strength	6	kN
BIL	170	kV
Minimum CD	900	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	36	kV
Core Diameter	95	mm
Max. Shed/Outer Diameter	205	mm
Porcelain Weight	15	kg
Assembled Weight	20.5	kg
Height	445	mm
Large Sheds	4	
Small Sheds	4	

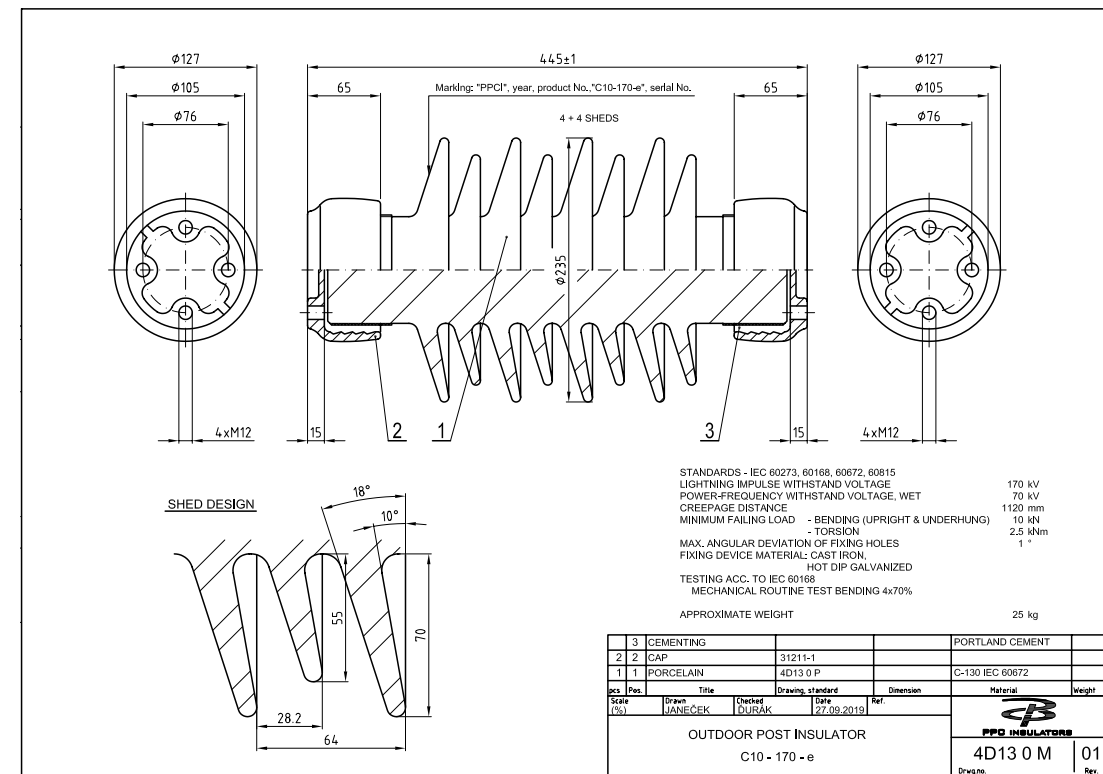


TYPE

BIL 170 kV

PPC Catalogue No.: 342 150 4D13 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D13 0 M	
Mechanical strength	10	kN
BIL	170	kV
Minimum CD	1120	mm
Top PCD	76	mm
Bottom PCD	76	mm
Glaze Color	brown	
No. of Units	1	
kV Level	36	kV
Core Diameter	95	mm
Max. Shed/Outer Diameter	235	mm
Porcelain Weight	21	kg
Assembled Weight	25	kg
Height	445	mm
Large Sheds	4	
Small Sheds	4	

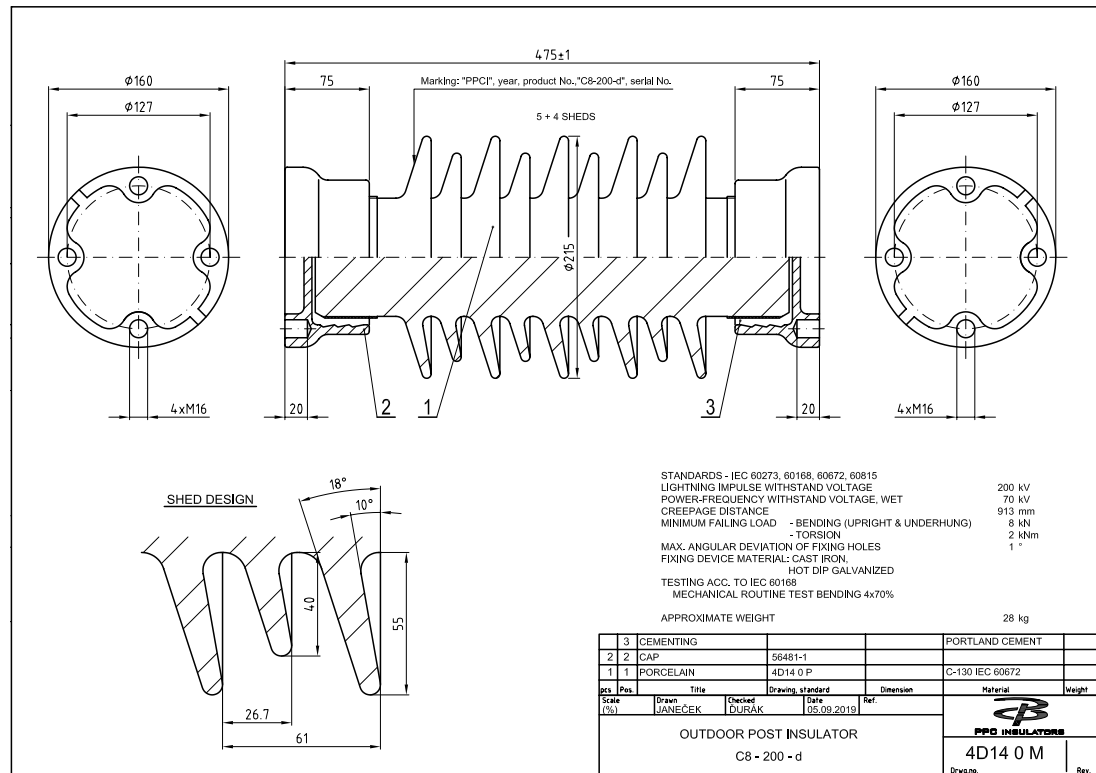


TYPE

BIL 200 kV

PPC Catalogue No.: 342 150 4D14 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D14 0 M	
Mechanical strength	8	kN
BIL	200	kV
Minimum CD	913	mm
Top PCD	127	mm
Bottom PCD	127	mm
Glaze Color	brown	
No. of Units	1	
kV Level	36	kV
Core Diameter	105	mm
Max. Shed/Outer Diameter	215	mm
Porcelain Weight	20	kg
Assembled Weight	28	kg
Height	475	mm
Large Sheds	5	
Small Sheds	4	

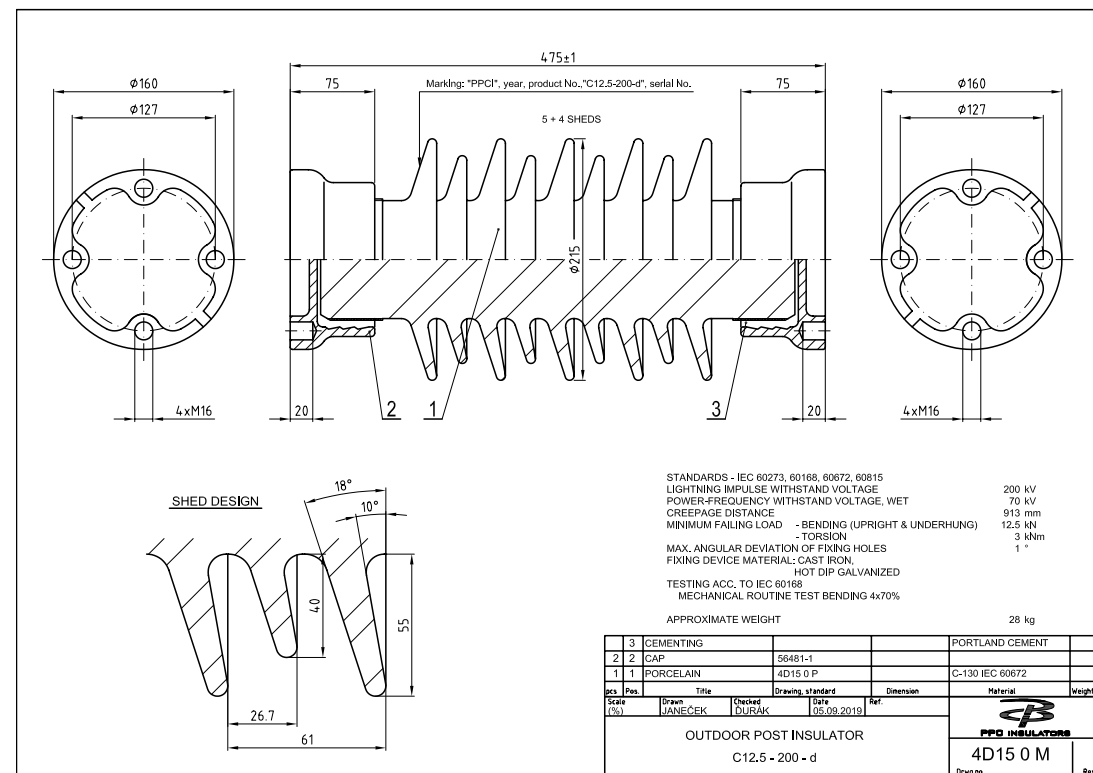


TYPE

BIL 200 kV

PPC Catalogue No.: 342 150 4D15 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D15 0 M	
Mechanical strength	12.5	kN
BIL	200	kV
Minimum CD	913	mm
Top PCD	127	mm
Bottom PCD	127	mm
Glaze Color	brown	
No. of Units	1	
kV Level	36	kV
Core Diameter	105	mm
Max. Shed/Outer Diameter	215	mm
Porcelain Weight	20	kg
Assembled Weight	28	kg
Height	475	mm
Large Sheds	5	
Small Sheds	4	

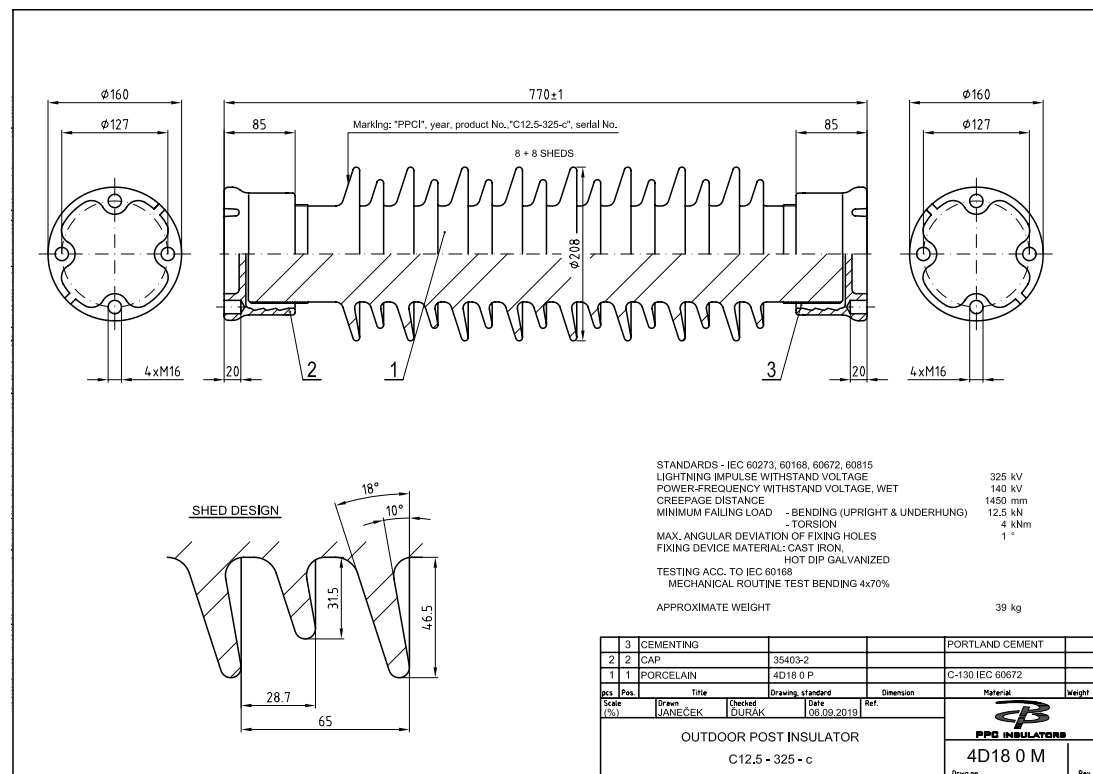


TYPE

BIL 325 kV

PPC Catalogue No.: 342 150 4D18 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D18 0 M	
Mechanical strength	12.5	kN
BIL	325	kV
Minimum CD	1450	mm
Top PCD	127	mm
Bottom PCD	127	mm
Glaze Color	brown	
No. of Units	1	
kV Level	72.5	kV
Core Diameter	115	mm
Max. Shed/Outer Diameter	208	mm
Porcelain Weight	32	kg
Assembled Weight	39	kg
Height	770	mm
Large Sheds	8	
Small Sheds	8	

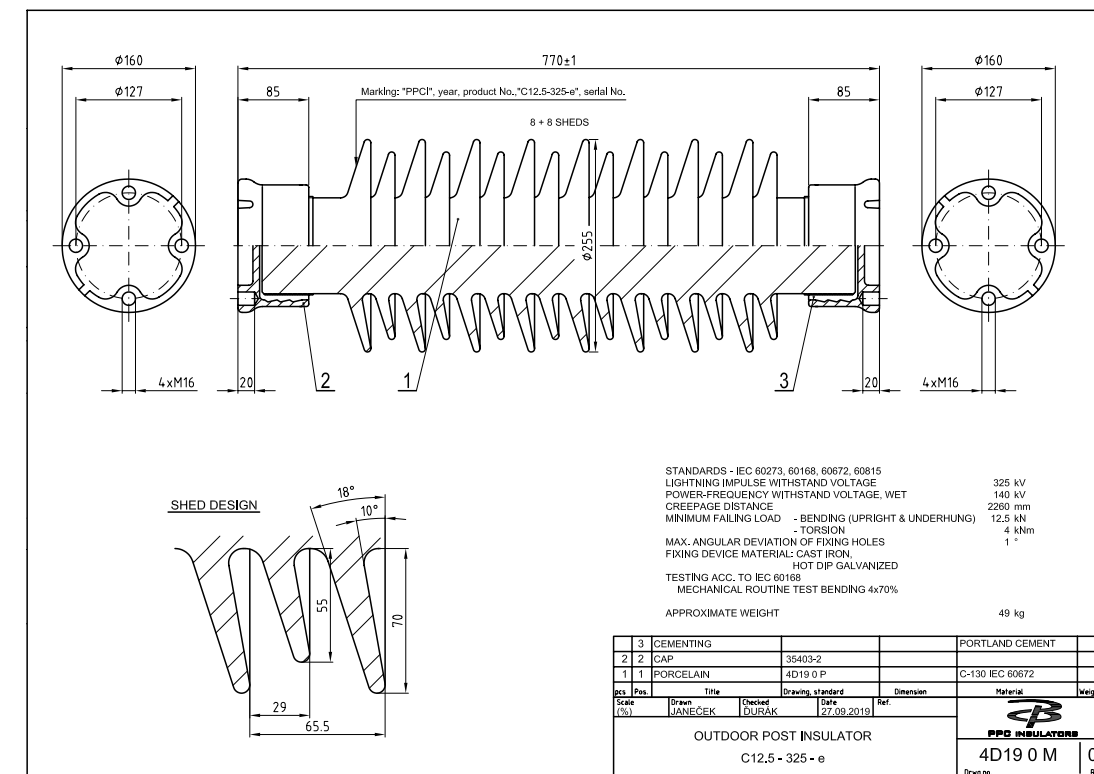


TYPE

BIL 325 kV

PPC Catalogue No.: 342 150 4D19 0814

Specification Description	Technical Particulars	Unit
Manufacturer's Name & Country	PPC	
Manufacturer's Type Designation	Products	
Drawing No.	4D19 0 M	
Mechanical strength	12.5	kN
BIL	325	kV
Minimum CD	2260	mm
Top PCD	127	mm
Bottom PCD	127	mm
Glaze Color	brown	
No. of Units	1	
kV Level	72.5	kV
Core Diameter	115	mm
Max. Shed/Outer Diameter	255	mm
Porcelain Weight	42	kg
Assembled Weight	49	kg
Height	770	mm
Large Sheds	8	
Small Sheds	8	





PPC Insulators is a leading manufacturer of porcelain and hybrid insulators for more than 130 years. We invest our efforts to offer quick, easy and effective solutions to our customers. Our extensive knowledge, expertise, and production technology enables us to produce the best insulator designs to cater up to 1,200 kV AC and 1,100 kV DC system voltages, that positions us at the forefront of techno-industrial achievements. We supply over 40,000 standard insulators from our stock to meet the demands of our customers.

PPC Austria Holding GmbH

Plankengasse 7
1010 Vienna
Austria
info@ppcinsulators.com

www.ppcinsulators.com