Cut out Fuse

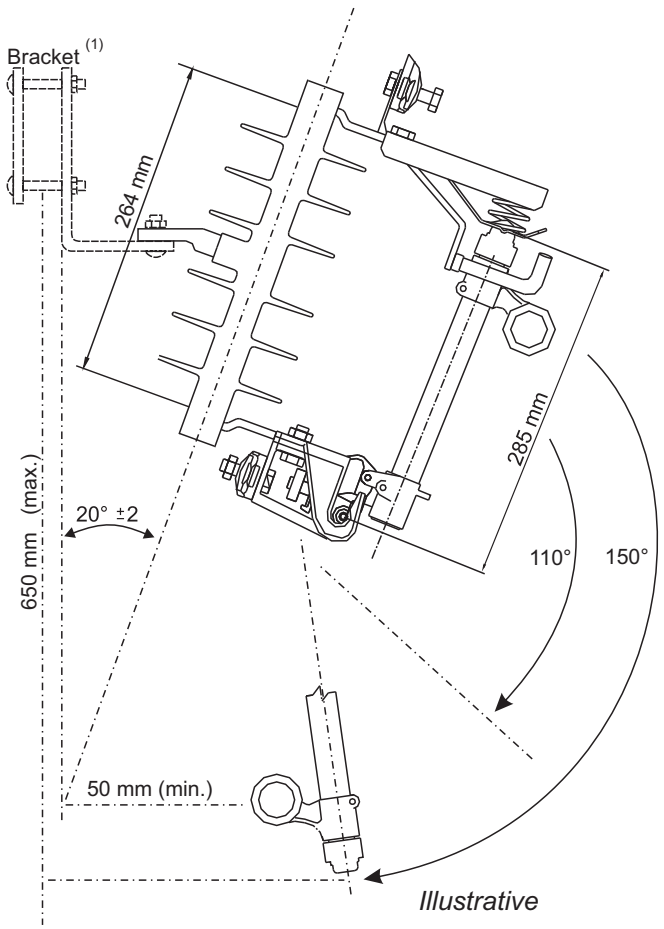
ISO 9001
INDEL
BAURU
Protection for
Energy Distribution

Technology with
better cost / benefit!

Cut-out Fuse

ISO 9001 INDEL BAURU Protection for Energy Distribution

Type IBC - Polymer 300A 15kV



Standards

- *NBR 8124 (PB 995)*
- *IEC 060282-2*
- *ANSI C37-41*
- *Contact us about other standards and currents.*

Fuse Holder	Connectors	Contacts
Manufactured with fiberglass epoxy tube lined with vulcanized fiber	Tin Plated Bronze (SAE 40)	Silver Plated Bronze (SAE 40)
	Conductors range from 10 to 120 mm^2	Silver Plated Copper

Hardwares	Insulator	Springs
Stainless Steel 304	Special Silicone Rubber	Stainless Steel
Hot dip galvanized Steel		

Packaging	
Individual	**Collective**
01 unit cardboard box	Pallet or crate

Rated Voltage	Rated Current	BIL	Creepage Distance	Fuse Holder	Weight with Fuse Holder	Interrupting Capacity		Code
						Symmetrical	Asymmetrical	
15 kV	300 A	110 kV	360 mm	100 A	3,850 kg	7,1 kA	10,0 kA	CFP15PF100CI10
						10,6 kA (2)	16,0 kA (2)	CFP15PF100CI16 (2)
				200 A	4,100 kg	7,1 kA	10,0 kA	CFP15PF200CI10
						8,0 kA (2)	12,0 kA (2)	CFP15PF200CI12 (2)

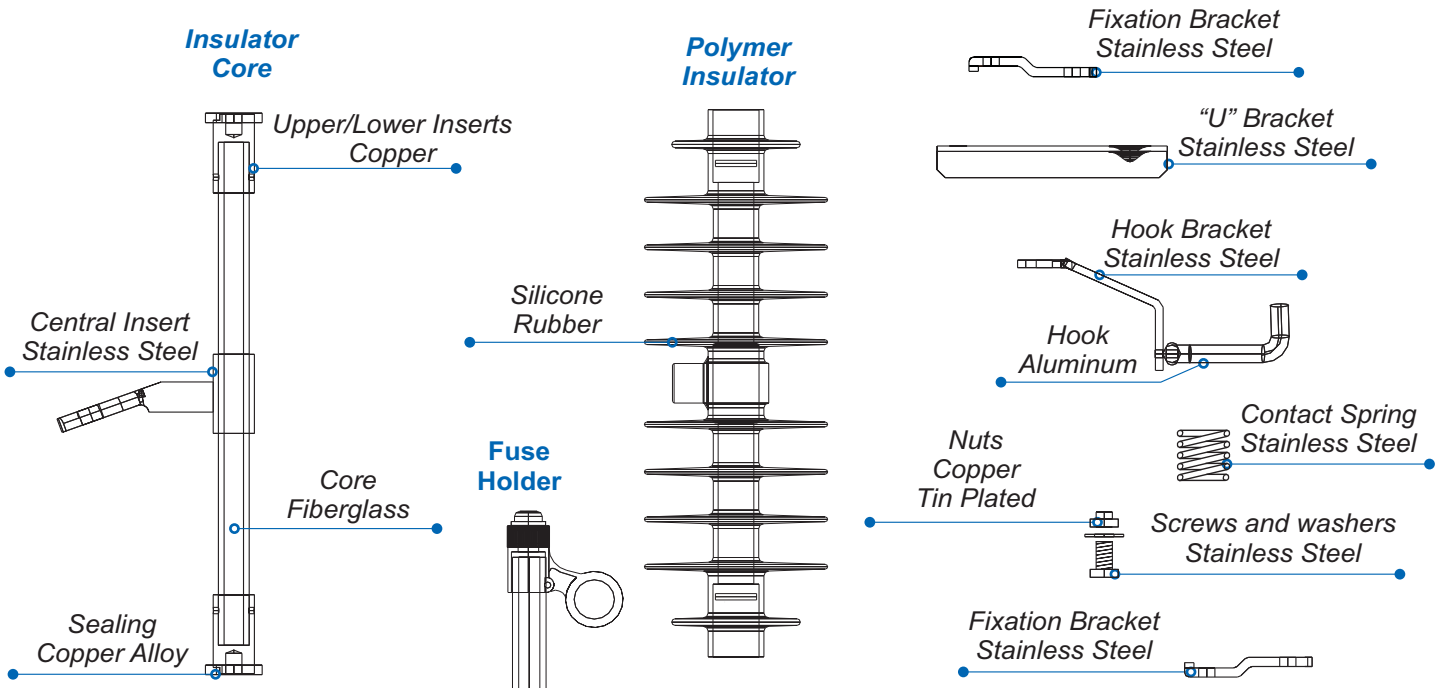
(1) Optional bracket

(2) Arc Shortening Rod

ISO 9001 INDEL BAURU Protection for Energy Distribution

Type IBC - Polymer

Structure



When ***INDEL BAURU***, developed its Polymer Cut-out Fuse with silicone rubber, it was concerned in not using cement in its setting hardware, opting in using a fiberglass core with inserts in brass and stainless steel, this way guaranteeing a longer life to the traditional one.

Advantages of the polymer cut-out fuse in comparison with ceramic:

1 - Bigger draining (linear distance until the central bolt) that measures 360 mm (15 kV) and 570 mm (38 kV), and furthermore, the ceramics have 250 mm and 410 mm respectively, diminishing significantly the energy escape to the ground.

2 - The Hardwares are produced in materials resistant to saline action.

3 - The silicone rubber has a self wiping characteristic, therefore when it is submitted to the action of rain, the impurities and the debris that settles in its surface are more easily eliminated.

4 - Anti-vandalism, because the insulator produced with silicone rubber possess flexible skirts and a rigid core.

5 - High resistance to UV rays.

Indicated to using in:

A) Agricultural area

During the process of spraying and irrigation, either with chemical pesticides or other agents, the cut-out fuse is reached by such products, which settle in its surface damaging the cement, ceramics and the hardware, thus diminishing the long life of the cut-out fuse. Unpaved roads are also indicated for the use of Polymer Cut-out Fuse due to great amount of sand and dirt that settle in its aggregates and insulator.

B) Urban area

Due to the presence of chemical pollution in great industrial centers, where a great amount of harmful agents are poured to the environment which damage the ferrous materials, ceramic and the cement of the Cut-out Fuse.

In highways, avenues and streets with great flow of vehicles that emit in the air a great amount of carbon monoxide which damage the performance and diminishes the long life of the Cut-out Fuse.

Cut-out Fuse

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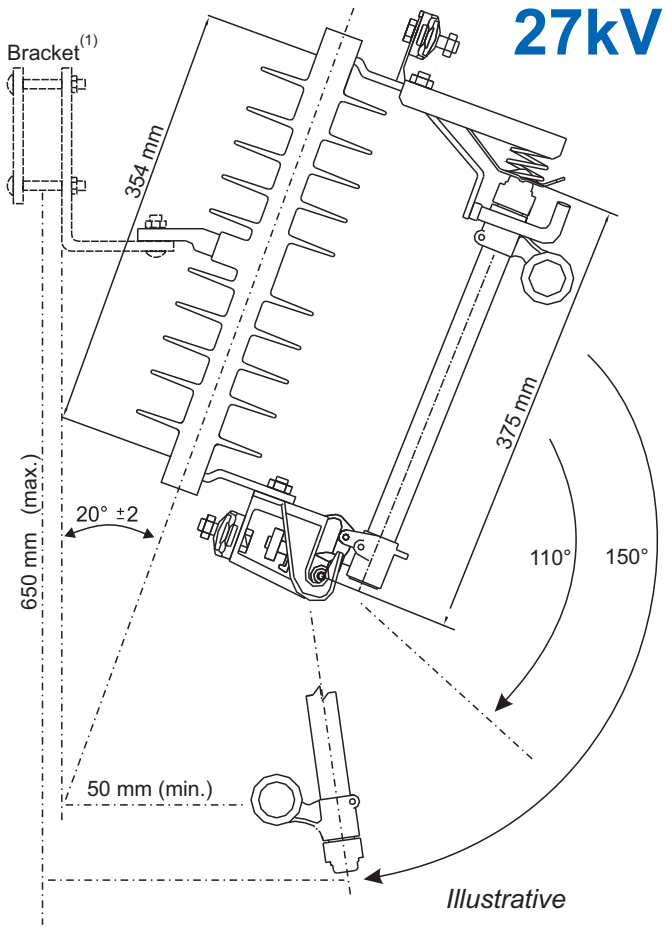
Type IBC - Polymer 300A

27kV / 38kV



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	Conductors range from 10 to 120 mm^2	Silver Plated Copper

Hardwares	Insulator	Springs
Stainless Steel 304	Special Silicone Rubber	Stainless Steel
Hot dip galvanized Steel		

Packaging	
Individual	**Collective**
01 unit cardboard box	Pallet or crate

Rated Voltage	Rated Current	BIL	Creepage Distance	Fuse Holder	Weight with Fuse Holder	Interrupting Capacity Symmetrical	Interrupting Capacity Asymmetrical	Code
27 kV	300 A	150 kV	570 mm	100 A	4,240 kg	4,5 kA	6,3 kA	CFP27PF100CI6
						5,3 kA	8,0 kA	CFP27PF100CI8
						8,0 kA (2)	12,0 kA (2)	CFP27PF100CI12 (2)
				200 A	4,490 kg	7,1 kA	10,0 kA	CFP27PF200CI10
						8,0 kA (2)	12,0 kA (2)	CFP27PF200CI12 (2)
38 kV	300 A	150 kV	570 mm	100 A	4,240 kg	3,5 kA	5,0 kA	CFP38PF100CI5
						5,0 kA (2)	8,0 kA (2)	CFP38PF100CI8 (2)
				200 A	4,490 kg	5,0 kA	8,0 kA	CFP38PF200CI8
						7,1 kA (2)	10,0 kA (2)	CFP38PF200CI10 (2)

(1) Optional bracket

(2) Arc Shortening Rod

ISO 9001 INDEL BAURU Protection for Energy Distribution

Cut-out for Open Link Fuse

15/27/38kV

Standards

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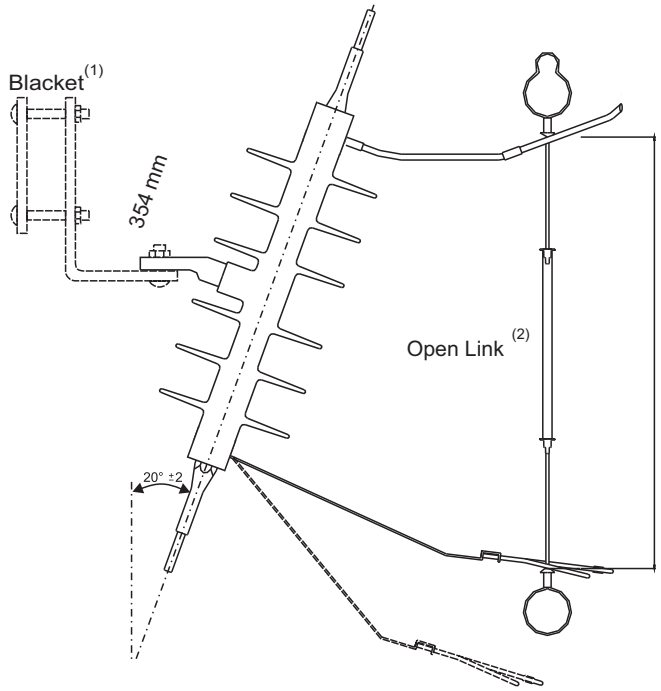
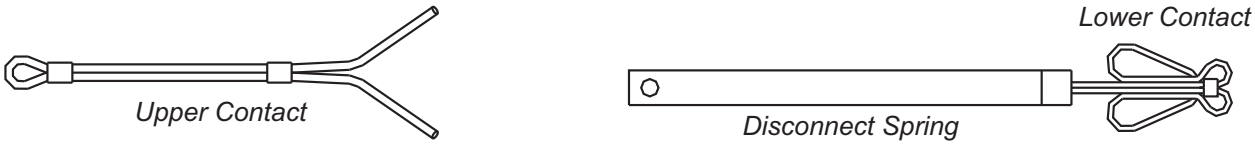


Polymer Insulator



Illustrative

Upper Contact	Lower Contact	Disconnect Spring
Copper Alloy	Copper Alloy	Bronze Ribbon
Tin Plated	Tin Plated	

Packaging	
Individual	**Collective**
01 unit cardboard box	Cardboard box

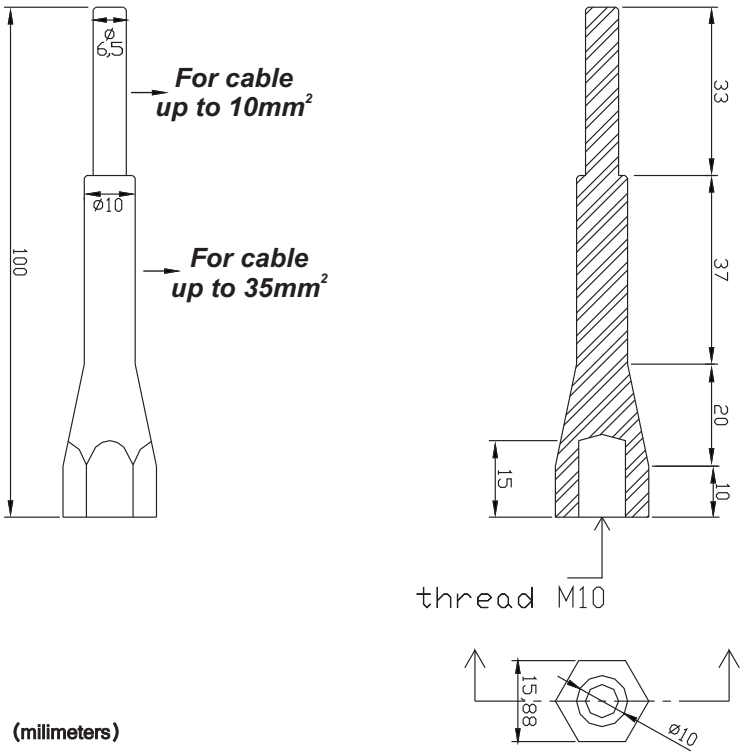
Insulator	Rated Voltage	Rated Current	BIL	Creepage Distance	Weight	Code
Polymer	15 kV	50 A	110 kV	360 mm	1,540 kg	CFP15MD
Polymer	27 kV	50 A	150 kV	570 mm	1,700 kg	CFP27MD
Polymer	38 kV	50 A	150 kV	570 mm	1,700 kg	CFP38MD

(1) Optional bracket

(2) Not included

Cut-out Fuse

Pin for Wedge Type Tap Connector



(milimeters)

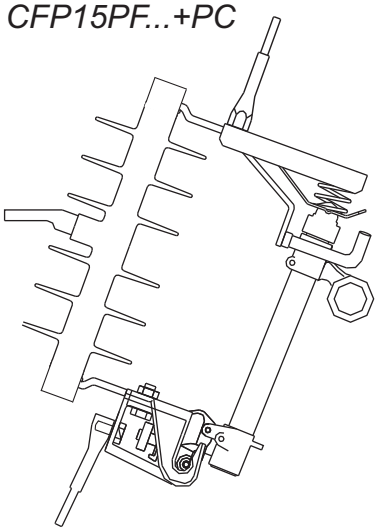
Illustrative

Measurements

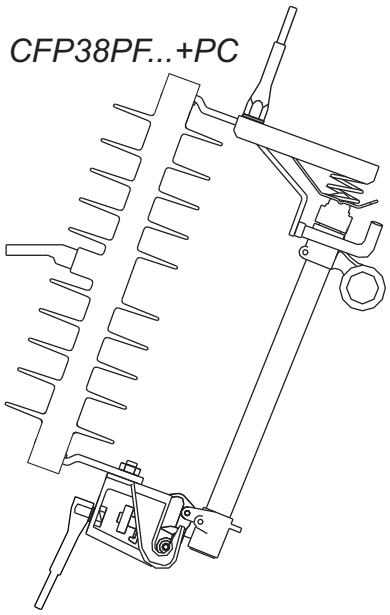
Material
Copper
Finishing
Tin Plated
Weight
0,07 kg
Code
Cut-out Code + PC

Cut-out with Pin for Wedge Type Tap Connector

CFP15PF...+PC



CFP38PF...+PC



Illustrative

Cut-out Fuse

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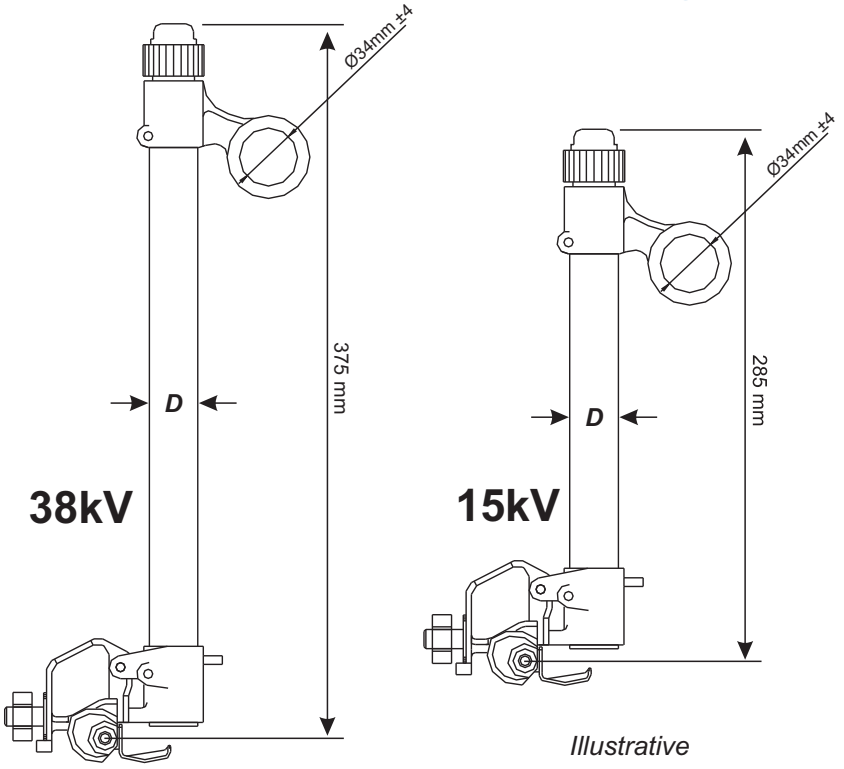
Fuse Holder 100 / 200A

15kV through 38kV



Illustrative

Standards

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Contacts	Flipper
Silver Plated Bronze (SAE 40)	*Stainless Steel 304*

Spring	Tube
Stainless Steel	*Manufactured with fiberglass epoxy tube lined with vulcanized fiber*

Packaging	
Individual	***Collective***
Plastic Bag	*Cardboard box*

Rated Voltage	Fuse Holder	Diameter (D)	Weight	Interrupting Capacity		Code
				Symmetrical	*Asymmetrical*	
15 kV	*100 A*	*25,40 mm*	*0,905 kg*	*7,1 kA*	*10,0 kA*	*PF15100CI10*
				10,6 kA (1)	*16,0 kA (1)*	*PF15100CI16 (1)*
	200 A	*31,40 mm*	*1,155 kg*	*7,1 kA*	*10,0 kA*	*PF15200CI10*
				8,0 kA (1)	*12,0 kA (1)*	*PF15200CI12 (1)*
27 kV	*100 A*	*25,40 mm*	*0,960 kg*	*4,5 kA*	*6,3 kA*	*PF27100CI6*
				8,0 kA	*12,0 kA*	*PF27100CI12*
	200 A	*31,40 mm*	*1,210 kg*	*7,1 kA*	*10,0 kA*	*PF27200CI10*
				8,0 kA	*12,0 kA*	*PF27200CI12*
38 kV	*100 A*	*25,40 mm*	*0,960 kg*	*3,5 kA*	*5,0 kA*	*PF38100CI5*
				5,0 kA (1)	*8,0 kA (1)*	*PF38100CI8 (1)*
	200 A	*31,40 mm*	*1,210 kg*	*5,0 kA*	*8,0 kA*	*PF38200CI8*
				7,1 kA (1)	*10,0 kA (1)*	*PF38200CI0 (1)*

(1) Arc Shortening Rod

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