

PFC

Screened separable connector, Interface C, upto 42kV, 630A and 1250A

Application

PFC screened separable connector made of EPDM for cable connection to switchgear (RMU) and transformers up to 42 kV with bushings type C according to EN 50180, EN50181

Features

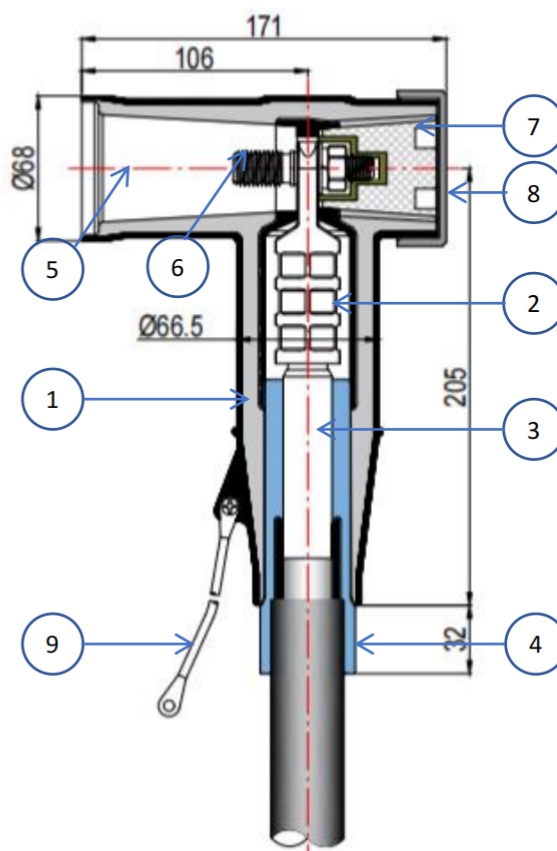
- Quick and easy assembly
- Integrated stress control, Separate termination not required
- For connection to insulator bushing type C1 (630 A) and C2 (1250A) in accordance with EN50181
- Use of various cable lug types

$U_0/U(U_m)$

6/10(12)kV
6.35/11(12)kV
8.7/15(17.5)kV
12/20(24)kV
12.7/22(24)kV
18/30(36)kV
26/35(40.5)kV
20.8/36(42)kV

Design

1. Front connector body
Integrated stress control, conductive EPDM insert
Insulating EPDM layer
Conductive EPDM jacket
2. Compression cable lug
3. Cable
4. Cable reducer
5. Interface C
6. M16/M12 clamping screw with spring washer and nut
7. Insulation plug
8. Conductive rubber cover
9. Earth lead



Specifications and standard

PFC meets the requirements of IEC 60502, GB/T 12706.4 and CENELEC HD629.1

Delivery scope

- 3 PFC separable connector
- Installation instructions
- Silicone grease
- Assembly kits

Exclusive service:

All bodies are scanned by X-Ray scanner before delivering to guarantee ZERO defect in inner struction
All bodies are tested for AC withstand prior to leaving the factory

Ordering instruction

Indicate the part number when ordering as table

Order example:

PFC24- 1*75-95sqmm is for single core cable 20kV

75~95 mm²



Classification and Dimension

Conductor cross-section (mm²)		Dia. over core insulation (mm)		Dia. of cable reducer	Part. name		
Min.	Max.	Min.	Max.				
U ₀ /U(U _m) 6/10(12)kV - 6.35/11(12)kV							
25	50	13.5	16.5	12	PFC15		
70	95	17	20	14			
120	185	20.5	25	18			
240	300	26	29	22			
400	500	30.5	37	27			
U ₀ /U(U _m) 8.7/15(17.5)kV							
35	25	13.5	16.5	12	PFC15		
	70	17	20	14			
	95	150	20.5	25			18
	185	240	26	29			22
	300	500	30.5	37			27
U ₀ /U(U _m) 12/20(24)kV							
25	50	19	21	16	PFC24		
70	95	22	25.5	19			
120	185	26	29.5	23			
240	300	30	34	26			
400	500	34	39.5	30			
	630	40	46	34			
U ₀ /U(U _m) 18/30(36)kV							
25	50	22	25.5	19	PFC24	PFC42	
35	95	25	29.5	23			
120	185	30	35	26			
240	300	35	38	30			
	400	38	42	34			
500	630	44	48	38			
	800	49	54	42			
U ₀ /U(U _m) 20.8/36(42)kV							
25	50	25	29.5	23	PFC42		
70	120	30	35	26			
150	185	35	38	30			
240	300	38	42	34			
400	500	44	48	38			
	630	49	54	42			

Note: The classification and dimension apply for polymeric insulated XLPE cables with extruded conductive screen and stranded conductors. Please contact with our representative for more information for other cable type.