

WEBKIII 15/630

Bolted-type Rear Connector for Coupling Connection

Design

1. External Screen

Moulded EPDM conductive rubber to ensure the connector touchable

2. Insulation

Moulded EPDM insulating rubber to ensure excellent electrical properties

3. Internal Screen

Moulded EPDM conductive rubber to control electrical stress

4. Two-headed Screw

To secure the conductor lug onto the bushing

5. Conductor Lug

To connect the cable conductor and bushing

6. Insulated Plug

Moulded epoxy plug having a metal insert to thread to accept the two-headed screw

7. Cable Adapter

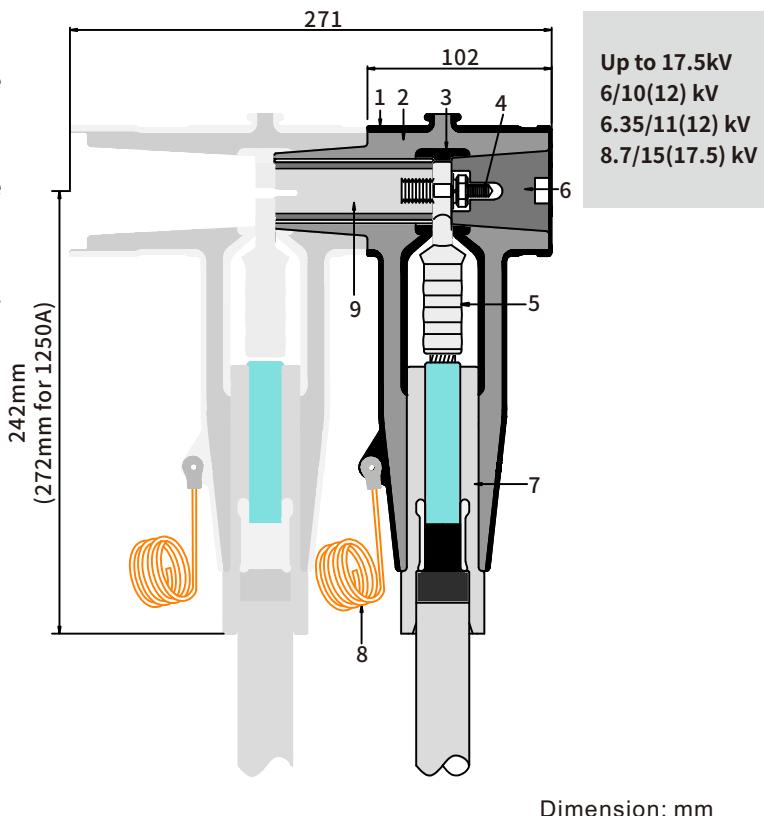
To provide initial stress relief and watertight seal

8. Earthing Wire

To earth the external screen for the connector

9. Copper Connecting Pipe

Connect the lugs between two cables



Technical Data

Voltage Class	12kV		17.5kV	
Continuous Current	630A	1250A*	630A	1250A*
AC Withstand Voltage	28.5kV for 5min		39kV for 5min	
Partial Discharge	11kV,≤10pC		15kV,≤10pC	
Impulse Withstand Voltage (10 times for each polarity)	95kV		95kV	
Screen Resistance	≤5000Ω		≤5000Ω	

Note: * refer to the condition when installed on an appropriate equipment bushing.

Ordering instruction

The ordering formula as followed:

1	2	3	4
WEBKIII			

Step 1

Choose the system voltage and current: 15/630

Step 2

Select the range from Table D that fits the diameter over cable insulation

Step 3

Select the conductor code from Table C for the conductor size and type

Step 4

Select the package. 1: 1pc/kit; 3: 3pcs/kit.

Table D

Diameter over cable insulation

Insulation Range Code	Diameter over cable insulation ϕ (mm)	
	Min.	Max.
A	14	16
B	16	18
C	17	20
D	20	23
E	23	26
F	26	30
G	30	33
H	33	36
I	36	39
J	40	42

Table C

Conductor Code

Conductor Cross-section (mm ²)	Lug Code	
	Copper Lug (Hexagonal compression)	Aluminum Lug (Mechanical Bolted)
25	01C	M1(AULZ25-95-16)
35	02C	
50	03C	
70	04C	
95	05C	
120	06C	
150	07C	
185	08C	
240	09C	
300	10C	
400	11C	M2(AULZ70-240-16)
500	12C	
630	13C	

Ordering example:

The cable is 15kV, 3-core 95mm² copper conductor with core insulation diameter of 22mm. Order **WEBKIII 15/630D05C3**.

Note:

Sealing or solderless grounding kits shall be ordered separately.

Insulated plug with capacitive test point is available upon request.

Please add "-X" for cable with copper wire shield without armour, like **WEBKIII 15/630D05C3-X**.

Feel free to contact us for detailed information.