

W36CBK

Bolted-type Rear Connector

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

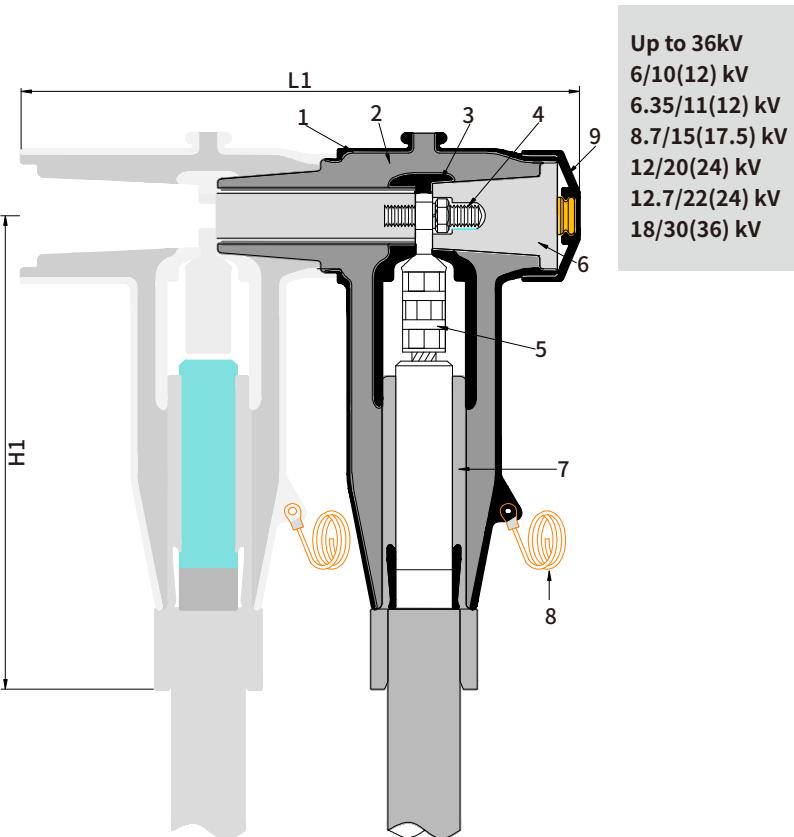
To provide initial stress relief and watertight seal

8. Earthing Wire

To earth the external screen for the connector

9. End Cap

Moulded EPDM conductive rubber to protect against dust



Dimension: mm

	W36CBK1	W36CBK2
L1(mm)	197±3	200±3
H1(mm)	245±5	300±5

Technical Data

Voltage Class	36kV	
Continuous Current	630A	1250A*
AC Withstand Voltage		81kV for 5min
Partial Discharge		30kV,≤10pC
Impulse Withstand Voltage (10 times for each polarity)		170kV
Screen Resistance		≤5000Ω

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

Ordering instruction

The ordering formula as followed:

1	2	3	4
W	36	CBK	

Step 1

Choose the highest system voltage: 36kV

Step 2

Select the connector body size and insulation range code 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

Connector body size and insulation range code

Connector Body Size	Insulation Range Code (For Cable adaptor)	Applicable Diameter over cable insulation ϕ (mm)	
		Min.	Max.
1	A	20	23
	B	23	25
	C	25	28.5
	D	28	31.5
	E	31	35
	F	34	37
	G	36.5	39.5
	H	39	42.5
2	I	36.5	40
	J	39.5	43
	K	43	47.4
	L	47.4	49.5

Table C

Conductor Code

Conductor Cross-section (mm ²)	Lug Code			
	Copper Lug Code (Hexagonal compression)	Connector Body Size*	Aluminum Lug Code (Mechanical Bolted)	Connector Body Size*
1	02C	1	-	-
	03C		-	-
	04C		-	-
	05C		-	-
	06C		-	-
	07C		-	-
	08C		-	-
	09C		-	-
2	10C	2	-	-
	11C		-	-
	12C		-	-
	13C		-	-

Ordering example:

The cable is 36kV, 3*95mm² aluminum conductor with core insulation diameter of 29mm. Order **W36CBK1DM13**.

Note:

Sealing or solderless grounding kits shall be ordered separately.

Please add "-X" for cable with copper wire shield without armour, like W36CBK1D05C3-X.

Feel free to contact us for detailed information.

*Please make sure the lug code mates with the connector body size if you need to repack the connector kits.