

## 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

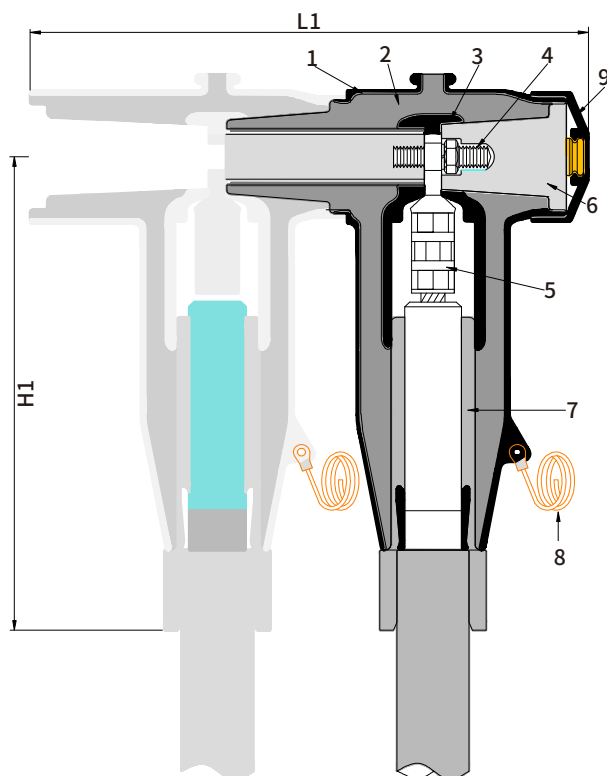
To provide initial stress relief and watertight seal

#### 8. Earthing Wire

To earth the external screen for the connector

#### 9. End Cap

Moulded EPDM conductive rubber to protect against dust



Up to 36kV  
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

Dimension: mm

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

### Technical Data

<b>Voltage Class</b>	36kV	
<b>Continuous Current</b>	630A	1250A*
<b>AC Withstand Voltage</b>	81kV for 5min	
<b>Partial Discharge</b>	30kV, ≤10pC	
<b>Impulse Withstand Voltage (10 times for each polarity)</b>	170kV	
<b>Screen Resistance</b>	≤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 $\phi$ (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 <sup>2</sup> )	Lug Code				
	Copper Lug Code (Hexagonal compression)	Connector Body Size*	Aluminum Lug Code (Mechanical Bolted)		Connector Body Size*
35	02C	1	M1 (AULZ25-95-16)	-	1
50	03C			-	
70	04C			-	
95	05C			-	
120	06C		M2 (AULZ70-240-16)	-	
150	07C			-	
185	08C			-	
240	09C			-	
300	10C			-	
400	11C			-	
500	12C	2	M4 (AULZ300-630-16)	-	2
630	13C			-	

## Ordering example:

The cable is 36kV, 3\*95mm<sup>2</sup> 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.