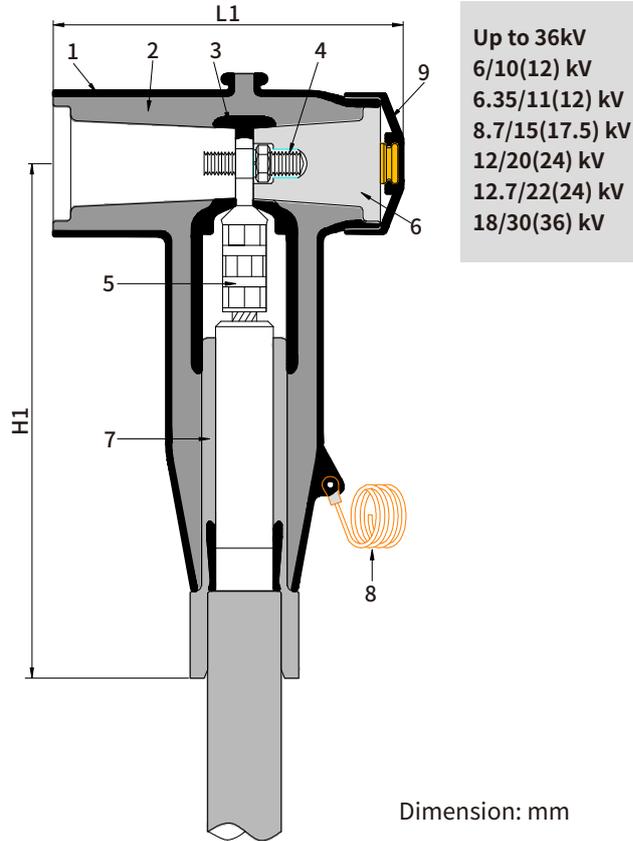


W36CB Bolted-type Tee Connector

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



	W36CB1	W36CB2
L1(mm)	197±3	200±3
H1(mm)	245±5	300±5

Technical Data

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

Ordering instruction

The ordering formula as followed:

	1	2	3	4
W	36	CB		

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*	
35	02C	1	M1 (AULZ25-95-16)	-	-	1
50	03C			-	-	
70	04C			-	-	
95	05C			-	-	
120	06C			-	-	
150	07C		M2 (AULZ70-240-16)	-	-	
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*95mm² aluminum conductor with core insulation diameter of 29mm. Order **W36CB1DM13**.

Note:

Sealing or solderless grounding kits shall be ordered separately.

Please add "-X" for cable with copper wire shield without armour, like W36CB1D05C3-X.

Feel free to contact us for detailed information.

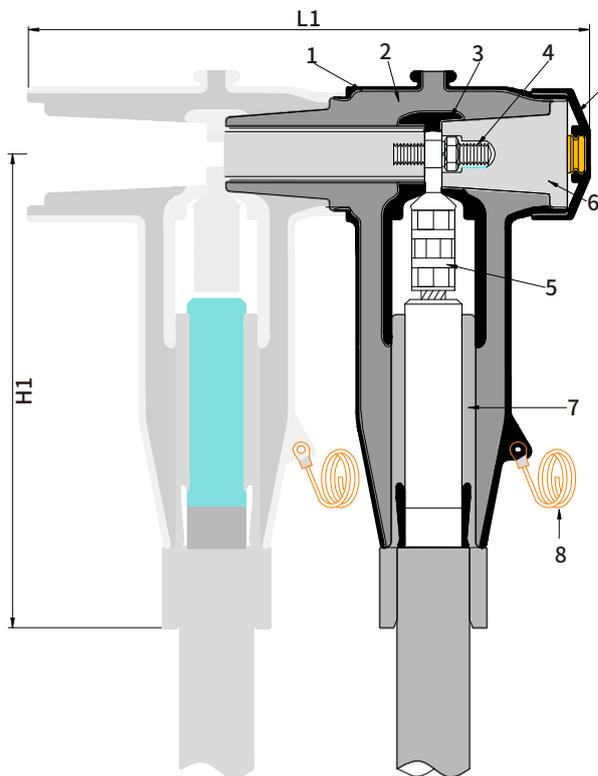
*Please make sure the lug code mates with the connector body size if you need to repack the connector kits.

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

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

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*			
35	02C	1	M1 (AULZ25-95-16)	-	-	1		
50	03C			-	-			
70	04C			-	-			
95	05C			-	-			
120	06C			-	-			
150	07C			-	-			
185	08C			-	-			
240	09C		-	-	-			
300	10C		2	M2 (AULZ70-240-16)	-	-	2	
400	11C				-	-		
500	12C				-	-		
630	13C				-	-		M4 (AULZ300-630-16)

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.