

JBMT - Medium Voltage Junction Box 7,2/12kV

The Medium Voltage Junction Box is a normalized structure suitable for junction and derivation of Medium Voltage cables with a rated voltage starting from 7,2kV.

- Designed to better respond to severe mechanical stress;
- Manufactured for outdoor or tunnel installations;
- Safe for personnel and operation, with protection from contact with live parts;
- Free-standing and ready for use;
- Customized solution on request.

Reference Standards

International standard	IEC 62271-200
Italian standard	CEI 17-6; CEI EN 62271-200



Main Electrical Features

		7,2 kV 3AC	12kV 3AC
Rated voltage	Ur	7,2 kV	12 kV
Withstand voltage at 50 Hz (1 min)	Ub	20 kV	28 kV
Rated impulse voltage	U imp	65 kV	75 kV
Rated frequency	fn	50-60 Hz	50-60 Hz
Main busbar/cables rated current	Ir	630 A	630 A
Short-circuit current	Ik	25kA x 1"	25kA x 1"

NOTE: On request, junction boxes may be designed for a higher operating voltage.

JBMT - Medium Voltage Junction Box 7/12kV

Features of Construction

Heavy Duty M.V. Junction Box

Voltage (kV)	Length (mm)	Height (mm)	Depth (mm)
7,2	650	480	300
12	950	650	337

Material	Metal sheet steel (AISI 304-316L-316Ti as optional)
Thickness	3mm
Sealing	EPDM (silicone as optional)
Side box	Outer positioning (optional)
Accessories (optional)	Voltage Indicator- Anticondensing heater
Incoming cables	Lateral with cable clamp cover/gland/MCT
Outgoing cables	Lateral with cable clamp cover/gland/MCT
Accessibility	Front
Anchorage	Wall



Service and environmental conditions

External protection degree	Up to IP 66
Opened doors protection degree	IP 00
Type of installation	Outdoor
Maximum ambient temperature	+ 45° C
Minimum ambient temperature	- 20° C

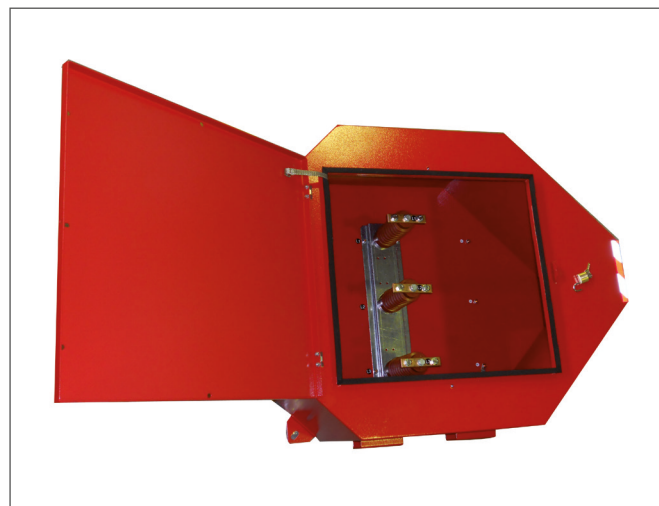
JBMT - Medium Voltage Junction Box 24/36kV

The Medium Voltage Junction Box is a normalized structure suitable for junction and derivation of Medium Voltage cables with a rated voltage of up to 36 kV.

- Designed to better respond to severe mechanical stress;
- Manufactured for outdoor or tunnel installations;
- Safe for personnel and operation, with protection from contact with live parts;
- Free-standing and ready for use;
- Customized solution on request.

Reference Standards

International standard	IEC 62271-200
Italian standard	CEI 17-6; CEI EN 62271-200



Main Electrical Features

		24 kV 3AC	36kV 3AC
Rated voltage	Ur	24 kV	36 kV
Withstand voltage at 50 Hz (1 min)	Ub	50 kV	70 kV
Rated impulse voltage	U imp	125 kV	145 kV
Rated frequency	fn	50-60 Hz	50-60 Hz
Main busbar/cables rated current	Ir	630 A	630 A
Short-circuit current	Ik	25kA x 1"	25kA x 1"

JBMT - Medium Voltage Junction Box 24/36kV

Features of Construction

Heavy Duty M.V. Junction Box

Voltage (kV)	Length (mm)	Height (mm)	Depth (mm)
24	1250	1000	552
36	1500	1552,5	707

Material	Metal sheet steel (AISI 304-316L-316Ti as optional)
Thickness	3mm
Sealing	EPDM (silicone as optional)
Side box	Outer positioning (optional)
Accessories (optional)	Voltage Indicator- Anticondensing heater
Incoming cables	Lateral with cable clamp cover/gland/MCT
Outgoing cables	Lateral with cable clamp cover/gland/MCT
Accessibility	Front
Anchorage	Wall



Service and environmental conditions

External protection degree	Up to IP 66
Opened doors protection degree	IP 00
Type of installation	Outdoor
Maximum ambient temperature	+ 45° C
Minimum ambient temperature	- 20° C