

# JBMT-R Medium Voltage Junction Box 7,2/12/24/36kV – Rectangular type

The Medium Voltage Junction Box – rectangular type, is a normalized structure suitable for junction and derivation of Medium Voltage cables with a rated voltage starting from 7,2kV to 36kV.

- Designed to better respond to severe mechanical stress;
- Manufactured for outdoor or tunnel installations;
- Safety for personnel and operation, with protection from contact with live parts;
- Free-standing and ready to 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	12 Kv 3AC	24 kV 3AC	36kV 3AC
Rated voltage	Ur	7,2 kV	12 kV	24 kV	36 kV
Withstand voltage at 50 Hz (1 min)	Ub	20 kV	28 kV	50 kV	70 kV
Rated impulse voltage	U imp	60 kV	75 kV	125 kV	145 kV
Rated frequency	fn	50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz
Main busbar/cables rated current	Ir	630 A	630 A	630 A	630 A
Short-circuit current	Ik	25kA x 1"	25kA x 1"	25kA x 1"	25kA x 1"

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

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## Features of Construction

### JBMT – R

Voltage (kV)	Length (mm)	Height (mm)	Depth (mm)
7,2	650	800	310
12	650	800	410
24	1000	1150	500
36	1200	1500	700

Material	Metal sheet steel (AISI 304-316L-316Ti as optional)
Thickness	3mm
Sealing	EPDM (silicone as optional)
Side box	Outer positioning (optional) for fiber optic terminal strips or terminal strips connection
Accessories (optional)	Voltage Indicator Anticondensing heater
Incoming cables	From bottom cable glands/MCT
Outgoing cables	From bottom cable glands/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

