

JBMT-D - Distribution Medium Voltage Junction Box 6,6kV

The **MV Distribution Box 6,6kV** is a normalized structure suitable for distribution of multiple Medium Voltage cables with a rated voltage starting from 6,6kV.

- 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.

NOTE: The MV Distribution Box 6,6kV, could be installed also in hazardous area, with the same design and electrical features.

Reference Standards

International standard	IEC EN 62217-200
Italian standard	CEI 17-6; CEI EN 62271-200



Main Electrical Features

		6,6kV 3AC
Rated voltage	Ur	6,6 kV
Withstand voltage at 50 Hz (1 min)	Ub	20 kV
Rated impulse voltage	U imp	60 kV
Rated frequency	fn	50-60 Hz
Main busbar/cables rated current	Ir	630 A

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

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Features of Construction

JBMT – HD Heavy Duty M.V. Junction Box

Voltage (kV)	Length (mm)	Height (mm)	Depth (mm)
6,6	1200	600	400

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)	Anticondensing heater
Incoming cables	From bottom cable glands/MCT
Outgoing cables	From bottom cable glands/MCT
Accessibility	Front
Anchorage	Wall
Painting	RAL 3020 (other shades on request)



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

