VOLTCONNECT PRO

MVJB Series
Medium Voltage Junction Box

Introducing the VoltConnect Pro MVJB Series, Spike Electric Controls' cutting-edge Medium Voltage Junction Box. Engineered for excellence, this junction box revolutionizes the safe, efficient, and swift connection and disconnection of medium voltage cables up to 38 kV. Tailored for use in both onshore and offshore environments, including grid connections and wind turbines, the VoltConnect Pro MVJB Series stands out as the go-to solution for your electrical infrastructure needs.

5914 E. Sam Houston Pkwy S. Houston TX 77034 | Toll Free 1.844.279.8295 | Local Factory Support 832.243.5372 | Fax 832.569.5645
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Revision Date: 12/6/2023

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VoltConnect by Spike Electric Controls, featuring copper Nema hole pattern connections secure and efficient medium voltage cable connection/ disconnection up to 38 kV. Tailored for grid connections and wind turbines, it's a versatile branching point for MV cables. Compact with full metal & glastic encapsulation, it ensures reliable service. Seamlessly integrating with IR windows, Lexan dead front barrier, interior glastic encapsulation for 150 kV lighting impulse, stainless steel 4x non-corrosive enclosure, non metallic glastic gland plate with custom cable entires cut for your application this is to be finalized during engineered approval drawing stages. the VoltConnect meets ETEL UL 1449:2021 Ed.5 international standards, boasting an Type 4X IP66 test degree of protection with an integrated non-metallic bottom gland plate for defense against water and dust ingress.

Features:

Efficient Connectivity: The MVJB, coupled

With standard and custom (upon request) Nema hole pattern connections enables safe, quick, and easy connection/ disconnection of medium voltage cables up to 38 kV**.**

Versatile Application: Designed for grid connections and wind turbines in onshore and offshore environments, the MVJB serves as a branching point for medium voltage cables.

Compact Design: With compact overall dimensions due to the interior of the box being lined with GPO3 Glastic, the MVJB is space-efficient, minimizing its footprint while providing robust functionality.

Full Metal Encapsulation: Ensures reliable and insured service, enhancing the durability of the junction box.

Comprehensive Connectivity: The MVJB facilitates seamless connection of TE's Raychem Screened Separable T-connectors RSTI, Coupling Connectors RSTI-CC, and Surge Arresters RSTI-SA.

IR windows: Easy accessibility IR windows with clear Lexan Dead Front to shoot cables with IR gun for regular maintenance testing.

Type 4x IP66 Rated Protection: Achieving an IP66 test degree of protection with an integrated Non-metallic bottom plate, our MVJB is completely secured against water and dust ingress, guaranteeing durability in diverse environmental conditions.

Options Available:

- Exterior Voltage Indicator
- Custom Cable Connections
- Custom Bus Boots for Connection Points
- Interior Cable Stress Relief Brackets
- Type 3r and Indoor Type 1 Enclosures Available

Specifications:

Max Voltage .....38 kV
Max Amps .....1200 A
Nema 4xIP 66 Enclosure
Built to IEEE Standard

Applications:

- Grid Connections
- Wind Turbines
- Cross-Section Versatility
- Renewable Energy Projects
- Safe Medium Voltage Cable Handling
- Offshore Environments
- Sub Station Splice Points

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For Construction					
Cat #	**Voltage**	**Amps**	**KAIC**	**Bus Connection**	**Enclosure Type**
MVCTB-5-600-4X	4160	600	63	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-5-1200-4X	4160	1200	63	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-15-600-4X	15kV	600	63	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-15-1200-4X	15kV	1200	63	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-24-600-4X	24kV	600	63	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-24-1200-4X	24kV	1200	63	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-38-600-4X	38kV	600	50	(2) NEMA two-hole pattern	TYPE 4X SS
MVCTB-38-1200-4X	38kV	1200	50	(2) NEMA two-hole pattern	TYPE 4X SS

Green Energy
from Spike Electric Controls

Green Energy Efficient: The VoltConnect Pro MVJB Series stands out for its energy-efficient design, ensuring optimal power performance. With streamlined connectivity for medium voltage cables, low power dissipation, real-time voltage monitoring, and adaptive cross-section support, it minimizes energy loss during distribution. Its IP66-rated protection enhances durability, reducing the need for frequent replacements and further contributing to long-term energy efficiency. Tested to international standards, this series not only prioritizes safety and reliability but also promotes sustainability by optimizing energy consumption in your electrical system.

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