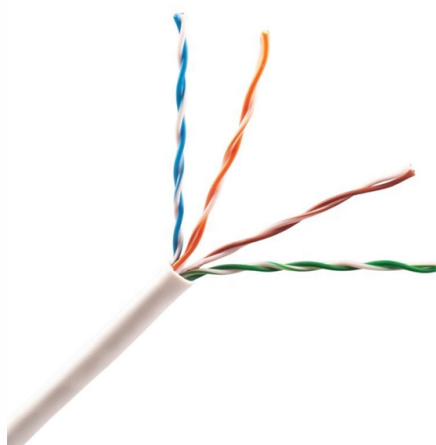


RIVO MULTITRADE OPTICAL SYSTEMS

The guide rail for the distribution box can be lengthened



Overview

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Key Takeaways

Yes, the guide rail for a distribution box can be lengthened using standardized lengthened types to accommodate additional or larger circuit breakers. Guide Rail Types and Lengths

Distribution boxes use guide rails to mount circuit breakers securely. Standard guide rails have fixed lengths, but lengthened types are available to extend the mounting capacity. For example, a standard guide rail may be 686mm long, while lengthened versions can extend by 153mm, 160mm, or 200mm depending on the type of circuit breaker, such as VB2, 3AH, ZN12, or ZN65 VCB, resulting in total lengths of 839mm, 846mm, or 886mm respectively . These rails have clamping slots at both ends to secure them to the distribution box base .

Installation Considerations

When lengthening a guide rail:

- Compatibility: Ensure the lengthened rail matches the type of circuit breaker and the distribution box model .



- **Secure Mounting:** Both ends of the guide rail must be inserted into the clamping slots of the base fasteners to maintain stability .
- **Height Alignment:** The guide rail helps unify the height of mounted circuit breakers, so proper alignment is crucial for safe operation and aesthetic appearance .
- **Electrical Safety:** Verify that the extended rail does not interfere with wiring, ventilation, or protective devices. All new circuits should comply with local electrical standards, such as DIN VDE 0100 in Germany or equivalent codes elsewhere .

Practical Tips

- Use UL/CE-certified components and follow manufacturer instructions for the specific distribution box model .
- Check the load capacity of the distribution box to ensure it can handle additional circuits without overloading .
- After installation, perform insulation and continuity tests to confirm safe operation .
- Consider modular designs for easier future upgrades and maintenance . By selecting the appropriate lengthened guide rail and following proper installation procedures, you can safely expand the distribution box to accommodate more or larger circuit breakers while maintaining compliance and functionality.

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W-Beam Barrier Note: In all cases where there is no drop off measure height from the surface directly below the barrier. Measure

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