

Bus trunking connector specifications



Article Overview

Bus trunking connectors are designed to safely join busbar trunking sections, supporting rated currents from 25 A up to 6300 A, with IP protection from IP55 to IP68, and comply with IEC 61439-6 standards.

Electrical Ratings

Bus trunking connectors are rated according to the system they serve:

- Low to medium currents: 25–160 A for small workshop or building loads (BD01 system)
- Medium currents: 160–1250 A for industrial or medium-size building loads (BD2 system)
- High currents: 800–6300 A for large infrastructure or industrial applications (LI and LD systems)
- Rated operating voltage typically aligns with the busbar system, often up to 690 V AC for low-voltage applications .

Mechanical and Construction Features

- Connectors are designed for plug-in or feeder connections, allowing safe and rapid assembly .
- Standard busbar trunking systems use 4 conductors (L1, L2, L3, N+PE), with optional 5-conductor versions including a separate neutral .
- Conductors are PVC insulated or encapsulated in resin for high protection (IP68) in extreme environments

Article Content

Mar 02, 2026

S-Line Busbar Trunking System catalogue copy

Busbar Trunking System & Overview A Busduct System is an assembly comprising a system of conductors with one or more bars

Sep 29, 2025

Catalog LV 10 10/2017, chapter 17

In most applications these requirements are easily met by the use of suitable busbar trunking systems. For this reason, busbar

May 11, 2026

Busbar Power Connectors/Distribution | High Current Electrical Busbar ...

These board-to-busbar connectors are designed to meet OCP V3 power distribution architecture standards and are

Sep 21, 2025

DMRC LT Bus Duct Specification Guide

DMRC LT Bus Duct Specification Guide This document contains specifications for a low voltage bus bar trunking system (bus duct)

May 21, 2026

CATALOG Pmax low-voltage compact bus duct system

The Pmax series compact bus duct system is a safe, reliable, compact, efficient and customized low-voltage energy transmission

Nov 21, 2025

Busbar Trunking | EAE Elektrik | Power Distribution

Simplify your energy distribution with EAE Busbar Trunking systems, offering innovative solutions for

Jul 02, 2026

BUSBAR TRUNKING SYSTEMS

Flexible braids: In order to ensure safer connection between transformer and busbar trunking unit, flexible braids is a smart solution.

Jul 25, 2025

Guide to busbar trunking systems including BS EN 61439-6

A guide to busbar systems, specifically in comparison with cable systems, covering the advantages of busbar trunking, the

Oct 25, 2025

Square D I-Line and Power-Zone Busway Systems Catalog

This catalog includes information on features, construction, application, installation, electrical data, busbar

Oct 09, 2025

L& T Busbar Trunking System Overview

This document provides an overview of busbar trunking systems, including their definition, types, applications and standards. It

Oct 26, 2025

Catalog LV70 · 2019

With our switchgear, we offer you an efficient and reliable energy supply. In the automotive industry and in data centers, busbar

Aug 10, 2025

Catalog Extract LV 10 · 04/2023

Technical specifications The technical specifications are for general information purposes only. Always heed the operating

Jan 19, 2026

IP68 RESIN BUSBAR TRUNKING

It is possible to transition from the outside to the inside of a building by connecting the IP68 RCP resin busbar trunking with IP55

May 11, 2026

Canalis KS

Browse our products and documents for Canalis KS - Busbar trunking for medium power distribution from 100A to 1000A with high

Nov 10, 2025

CATALOG Pmax low-voltage compact bus duct system

The bus bar is not bent at the plug adapter, maintaining the compactness of the system. Low impedance provides the Pmax busd

Dec 30, 2025

Catalog LV70 · 2019

The trunking unit or end flange is simply inserted in the lower enclosure of the joint block. Then the joint block top or feeding unit is

Jul 05, 2026

Layout 1

Busbar Trunking Phase Transposition Unit [phase transposition BTU]: A busbar trunking unit which changes the relative positions of

Feb 18, 2026

Busbar Trunking Systems: Types, Sizing & Installation Guide

Compare busbar trunking types, sizing rules, IP ratings, and installation best practices. A complete technical guide for

Feb 24, 2026

Busbar Trunking System Overview | PDF | Industries

Busbar Trunking System (Busways) - Free download as PDF File (.pdf), Text File (.txt) or read online for free. This document

Aug 01, 2025

BUSBAR TRUNKING SYSTEMS

Technical Information The casing of the busbar trunking system is shaped from Galvanized Sheet in the profile machine and

Jan 15, 2026

DMRC ELECTRICAL STANDARDS & DESIGN WING (DESDW)

This specification is intended for design, manufacture, transporting, installation and testing at site of compact sandwich

Sep 12, 2025

Low Voltage Busbar Trunking Guide | PDF | Electrical ...

This document provides guidance on low voltage busbar trunking systems according to BS EN 61439-6. It defines busbar trunking

Jun 19, 2026

Universal Serial Bus Type-C Cable and Connector Specification

The USB Type-C Cable and Connector Specification defines a new receptacle, plug, cable and detection mechanisms that are

Jan 16, 2026

Busbars and Connectors in HV and EHV installations

Insulated Busbars & Trunking Systems In indoors MV and LV installations, namely with high currents and

Apr 25, 2026

IP68 RESIN BUSBAR TRUNKING

ADAPTER ELEMENT (IP68-IP55) NOTE: For information related to closing a junction between two lengths of RCP and the

Sep 04, 2025

Busbar Trunking Systems - C& S Electric

The Compact Air Busbar Trunking (CB) is a lightweight, cost-effective system for medium-duty distribution with efficient heat

Jul 11, 2026

LOW VOLTAGE BUSBAR TRUNKING SYSTEM

BUSBAR TRUNKING V/s CABLE Apart from life cycle cost, selection between copper and aluminium bus bar may be done

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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