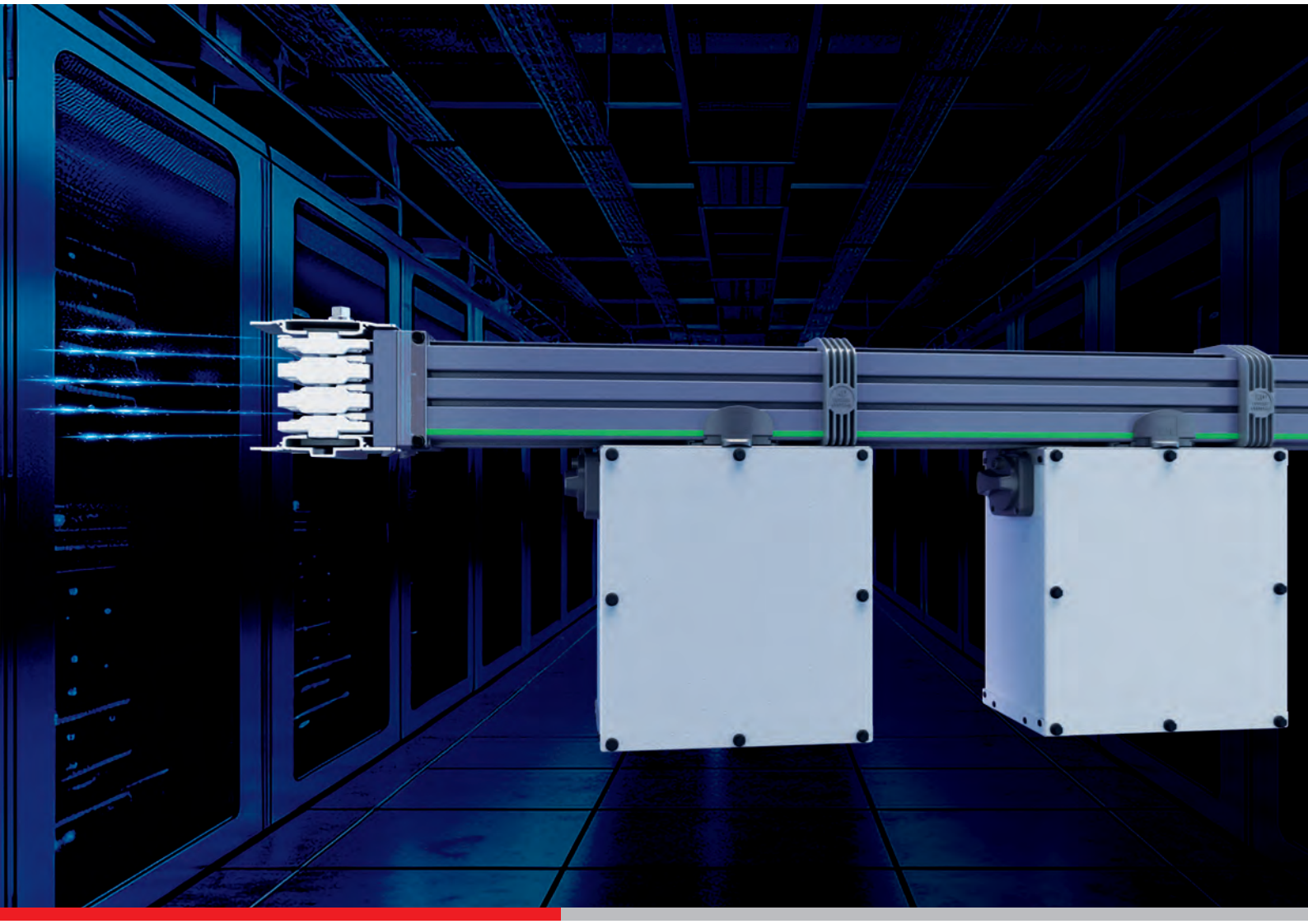


E-LINE KD-III

Data Rack Busway Systems 250A...800A

www.eaeusa.us

EAE GROUP IN NUMBERS



Since 1973

EAE Group of Companies started its journey in the electrical sector in 1973 with the establishment of EAE Elektrik. Since its founding, EAE has grown rapidly, expanding its production and areas of operation by incorporating EAE Lighting in 1983, EAE Machinery in 1996, EAE Electrotechnics in 2004, and EAE Technology in 2009.

EAE carries out its production activities in accordance with ISO 9001 Quality Management, ISO 14001 Environmental Management, ISO 14064-1 Greenhouse Gas Management System, ISO 45001 Occupational Health and Safety Management, ISO 10002 Customer Satisfaction Management, ISO 50001 Energy Management System, and ISO 27001 Information Security Management System standards.

50+
Years Experience

7
Active Factories

360.000 sqf.
Manufacturing Area

3
R&D Centers

150+
Countries Exported To

EAE
USA

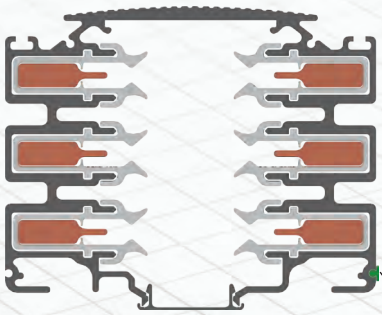
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E-LINE KD-III

Overview

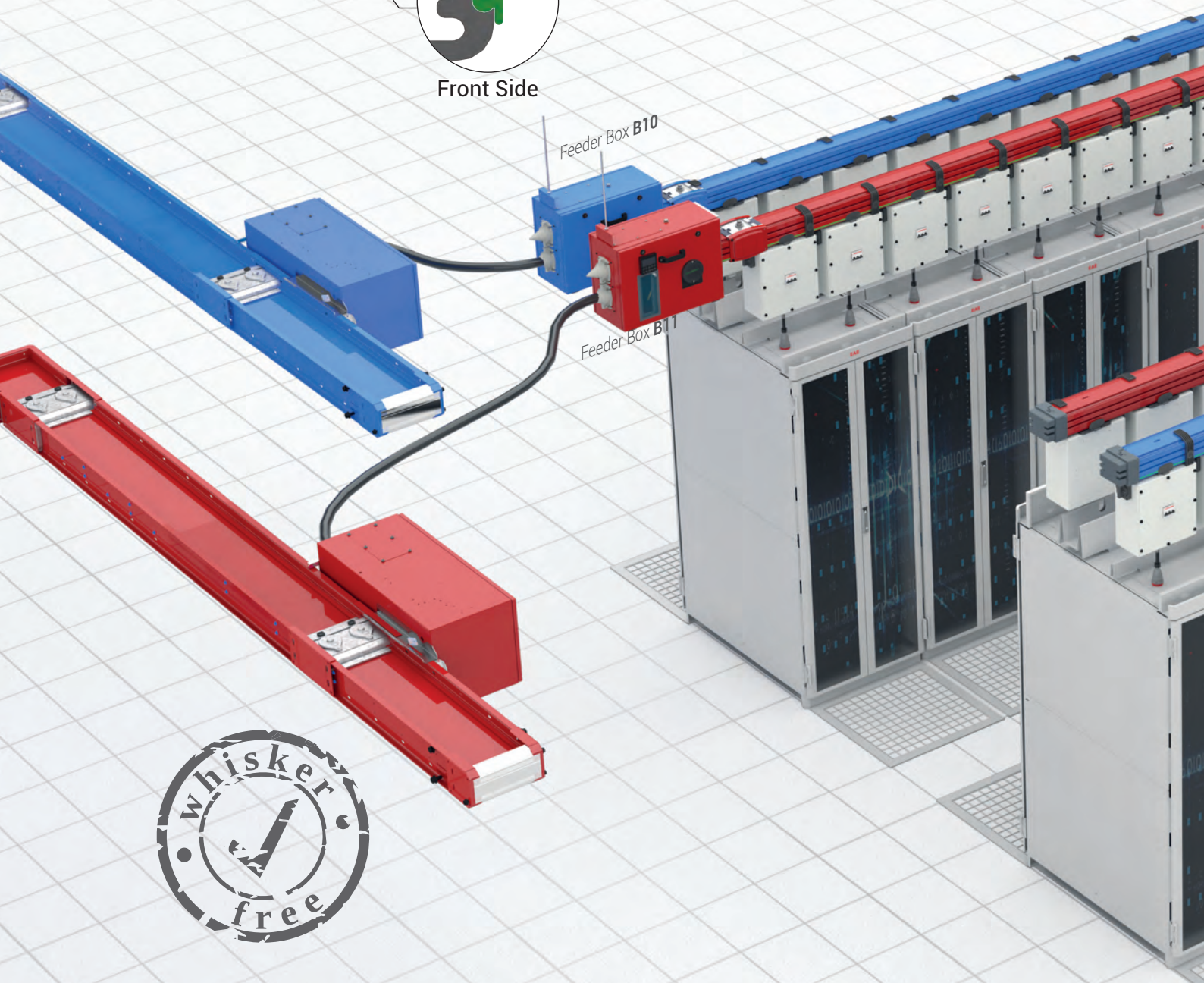
To power the mission critical IT infrastructures on the Data Rack Cabinets, EAE offers a highly flexible and reliable Busway System to meet the “Scalability” challenge in the Data Centers finding the way to Moves, Adds and Changes (MACs).



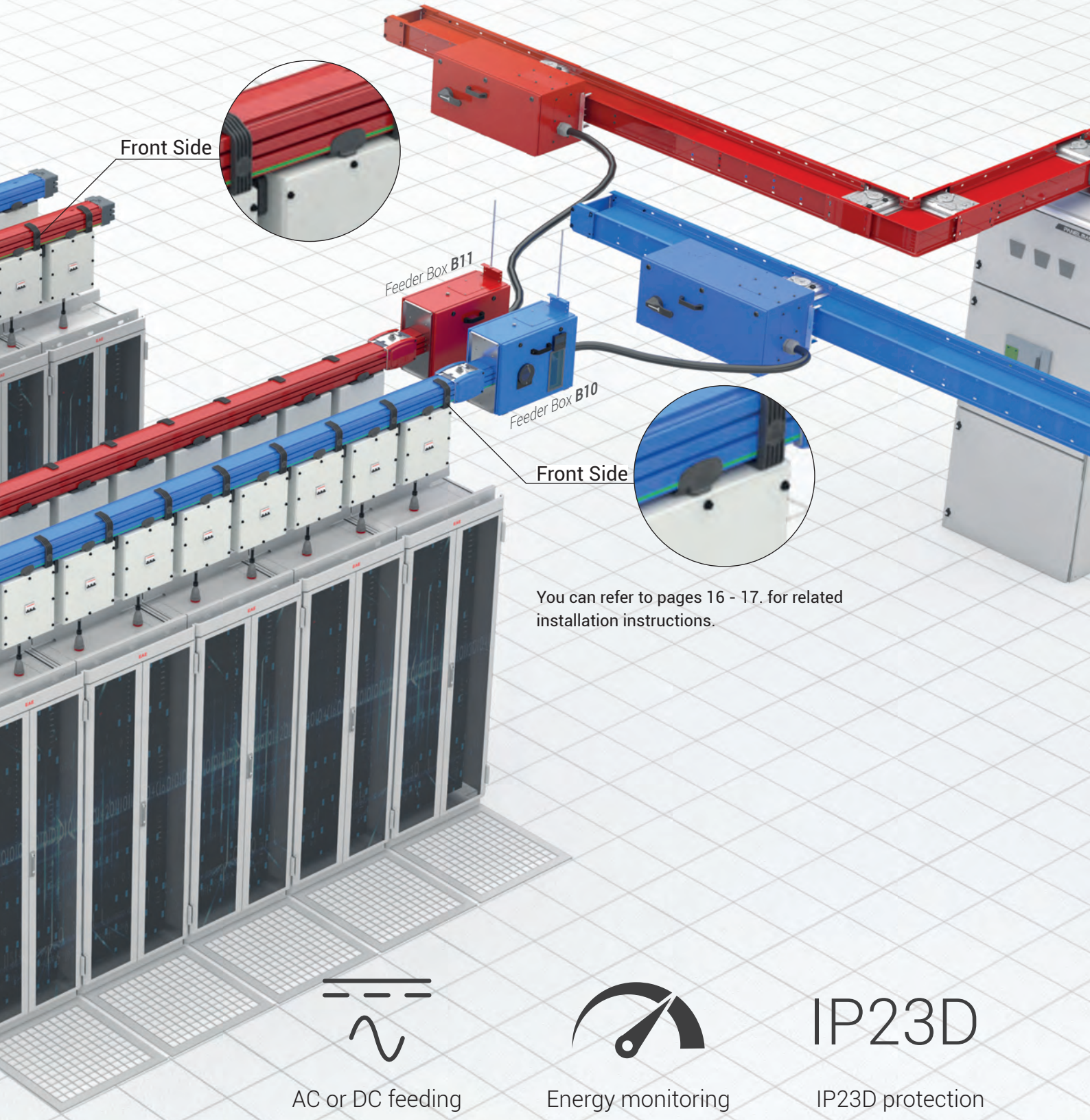
Al or Cu conductor options with whisker free coating



Front Side



Whisker free and tin plated solid form conductors ensure for better heat dissipation, higher short circuit values and longer operation life while significantly contributing to the “Availability” challenge in the data center environments



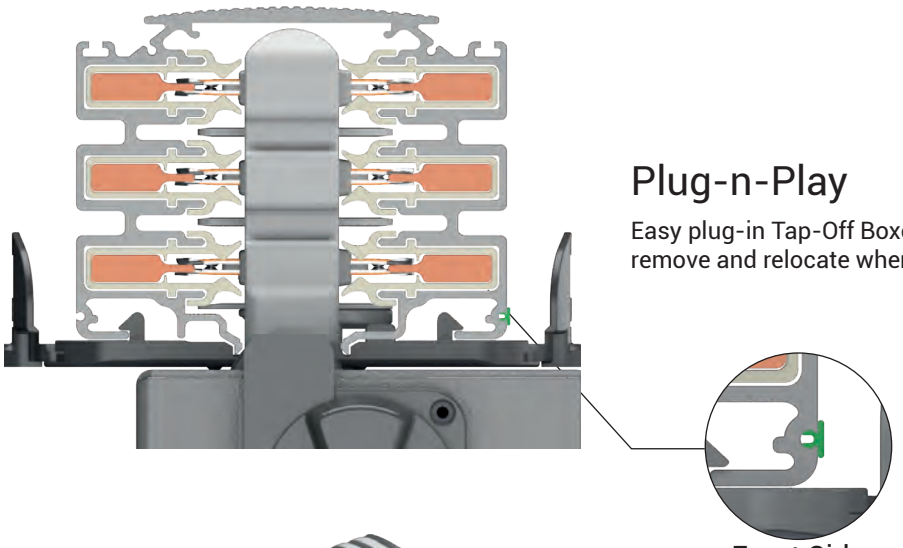
You can refer to pages 16 - 17. for related installation instructions.

AC or DC feeding

Energy monitoring

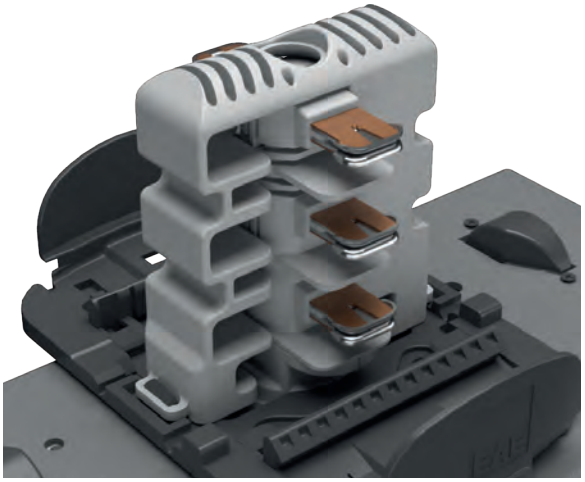
IP23D

IP23D protection



Plug-n-Play

Easy plug-in Tap-Off Boxes on any point along the BUSWAY, remove and relocate wherever necessary



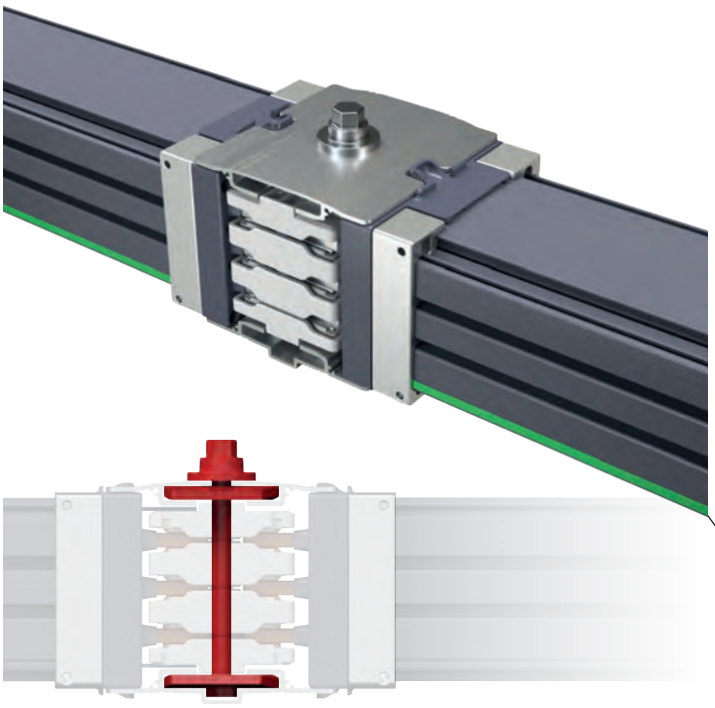
Tap-Off Contacts

Constant contact pressure with double sided spring system and safe locking mechanism on Tap-Off Box contacts



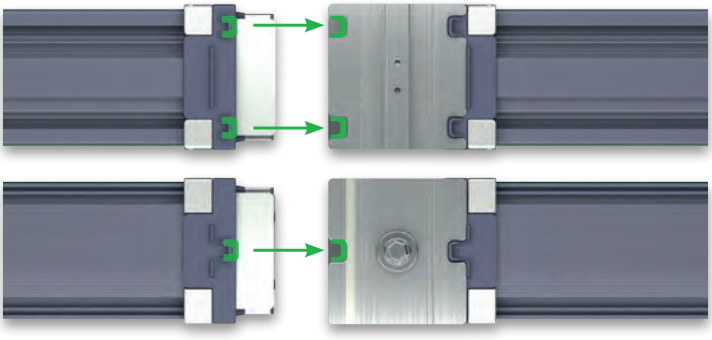
Snap-In Suspension Mechanism

Easy and fast structural mounting thanks to Snap-In Fixing Unit



Joint Mechanism

Safe alignment mechanism with a single bolt monoblock joint for correct installation and operation



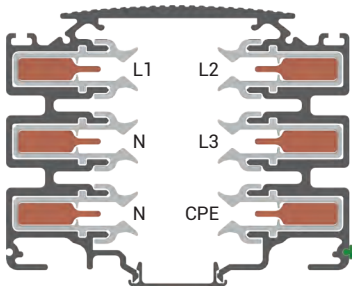
Easy and Safe Installation

Patented EAE Alignment Solution, ideal alignment of the block joint element and BUSWAY thanks to the alignment guides on the joint area

E-LINE KD-III

Technical Characteristics

Standards	UL 857
Rated Isolation Voltage	Ui: 600 V
Max. Rated Operational Voltage	Ue:600 V
Rated Frequency	f: 50 - 60 Hz

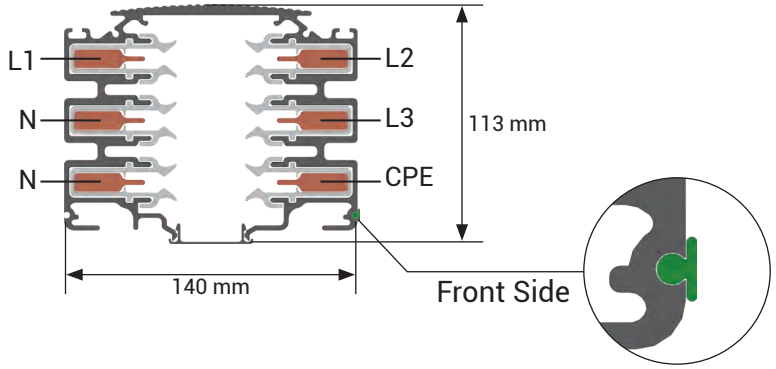


			KDA - Al		
			TYPE 1		TYPE 2
RATED CURRENT	**I_n**	**A**	**250**	**400**	**600**
BUSWAY CODE			02	04	06
Symmetrical Short Circuit Rating (3 Cycle)	Icw	kA(rms)	22	25	30
Short Circuit Conditional Rating (KAIC) at 480V	Icc	$kA_{(rms)}$	65	65	65
Resistance	R	mΩ/m	0,269	0,192	0,139
Reactance at 60Hz	X	mΩ/m	0,083	0,072	0,059
Impedance at 60Hz	Z	mΩ/m	0,282	0,205	0,151
GROUND CHARACTERISTIC UNDER FAULT CONDITION					
Resistance	R	mΩ/m	0,344	0,254	0,189
Reactance at 60Hz	X	mΩ/m	0,081	0,075	0,058
Impedance at 60Hz	Z	mΩ/m	0,353	0,264	0,198
SECTIONS					
L1.L2.L3.N		mm²	94	230	360
PE (4 ½ Conductors)		mm²	47	115	180
PE (5 Conductors)		mm²	94	230	360
(6 Conductors)		mm²	94	230	360
Aluminium Housing Section		mm²	3302	3302	3302
Busway Weight (4 Conductors)		kg/m	11,8	12,6	16,3
Busway Weight (5 Conductors)		kg/m	12,2	13,3	17,3
VOLTAGE DROP FULL LOAD 60Hz per m					
Power Factor = 0.4		V/m	0,0798	0,0990	0,1143
Power Factor = 0.5		V/m	0,0897	0,1098	0,1256
Power Factor = 0.6		V/m	0,0988	0,1196	0,1357
Power Factor = 0.7		V/m	0,1072	0,1284	0,1446
Power Factor = 0.8		V/m	0,1149	0,1363	0,1522
Power Factor = 0.9		V/m	0,1208	0,1416	0,1568
Power Factor = 1.0		V/m	0,1523	0,1823	0,2050

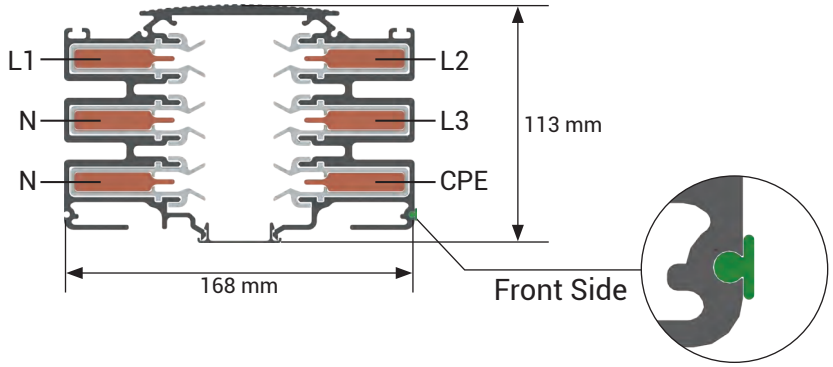
E-LINE KD-III

Technical Characteristics

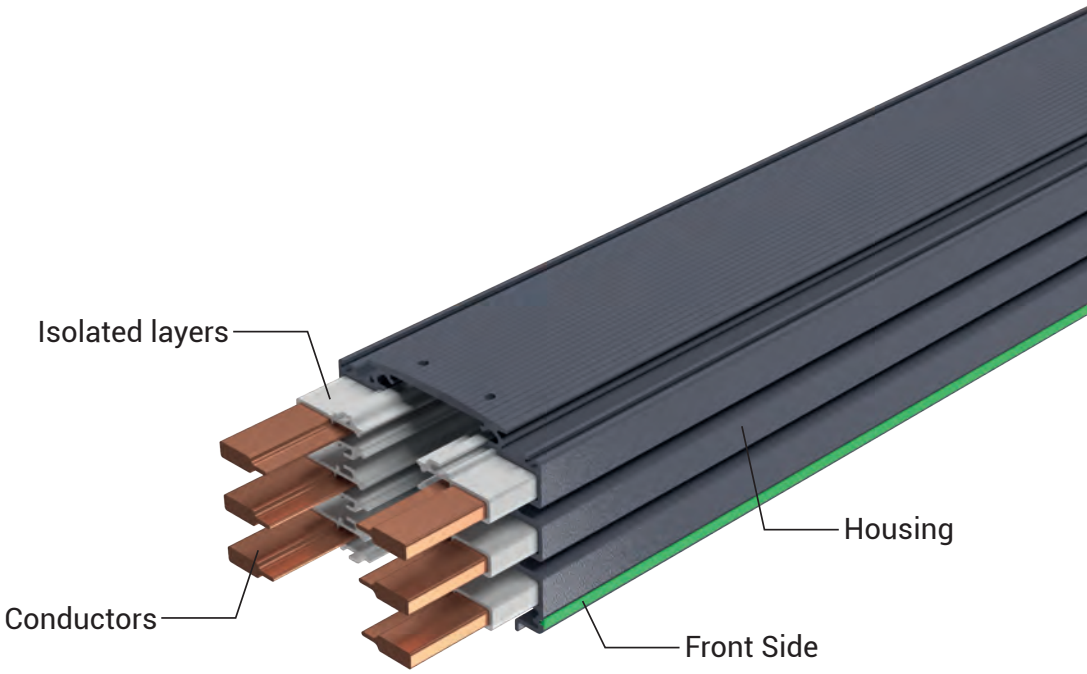
Housing Type 1: 250A...400A (Al), 250A...400A... 600A...(Cu)



Housing Type 2: 600A (Al), 800A (Cu)



KDC - Cu			
TYPE 1			TYPE 2
250	400	600	800
02	04	06	08
25	25	25	30
65	65	65	65
0,233	0,172	0,127	0,091
0,097	0,085	0,073	0,059
0,252	0,192	0,146	0,108
0,299	0,239	0,194	0,147
0,103	0,087	0,070	0,064
0,316	0,254	0,206	0,161
94	148	230	360
47	74	115	180
94	148	230	360
94	148	230	360
3302	3302,0	3302	3565
13,6	11,6	14,3	26,43
14,6	13,0	17,0	29,68
0,0789	0,1020	0,1226	0,1254
0,0869	0,1109	0,1320	0,1339
0,0940	0,1187	0,1398	0,1408
0,1003	0,1253	0,1462	0,1461
0,1058	0,1307	0,1510	0,1498
0,1091	0,1332	0,1520	0,1493
0,1423	0,1776	0,2070	0,2068



E-LINE KD-III

Order Code System

BUSWAY TYPE
CONDUCTOR MATERIAL
BUSWAY CODE
PROTECTION DEGREE
CONDUCTOR CONFIGURATION
TYPE
COMPONENT

KD **A-III** **02** **2** **04** - **B** - **STD**

BUSWAY Type

Aluminium (Al) A
Copper (Cu) C

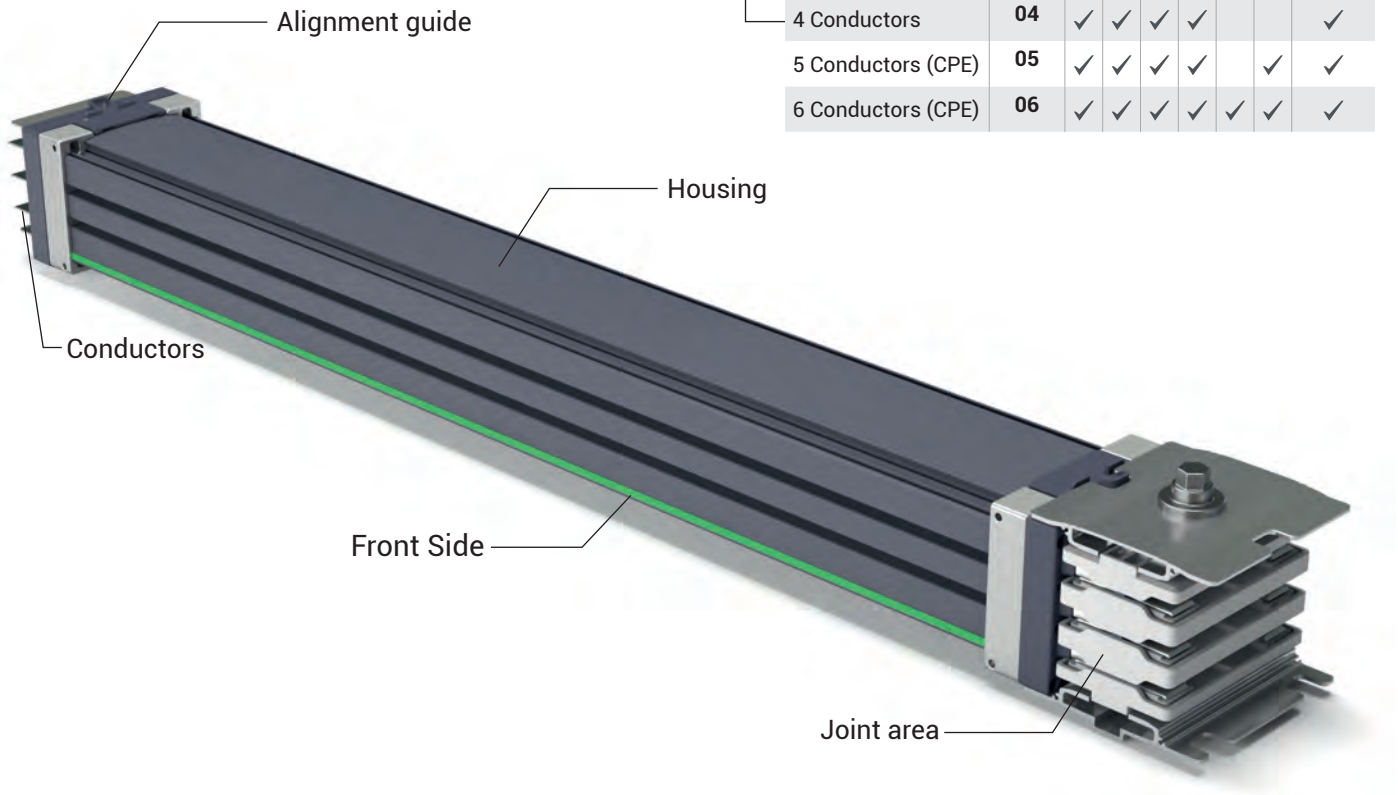
Al Conductor		Cu Conductor	
Rated Current	BUSWAY Code	Rated Current	BUSWAY Code
250	02	250	02
400	04	400	04
600	06	600	06
-	-	800	08

Standard Length	STD
Special Length	X
Feeder Box	B10
Feeder Box	B11
End Closer	S
Left Elbow	L
Right Elbow	R
Central Feeder	TO
Left Side Feeder	TYL
Right Side Feeder	TYR

Type	
Painted	B

IP23D

Conductor Configuration								
Conductors	**Code**	**L1**	**L2**	**L3**	**N1**	**N2**	**CPE**	**PE** (Housing)
4 Conductors	**04**	✓	✓	✓	✓			✓
5 Conductors (CPE)	**05**	✓	✓	✓	✓		✓	✓
6 Conductors (CPE)	**06**	✓	✓	✓	✓	✓	✓	✓

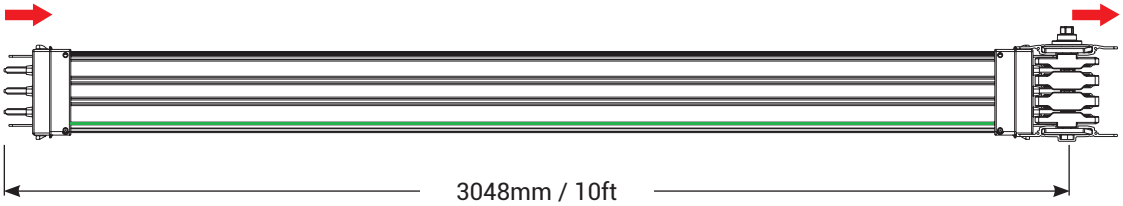


E-LINE KD-III

Standard Straight Length

Standard Length

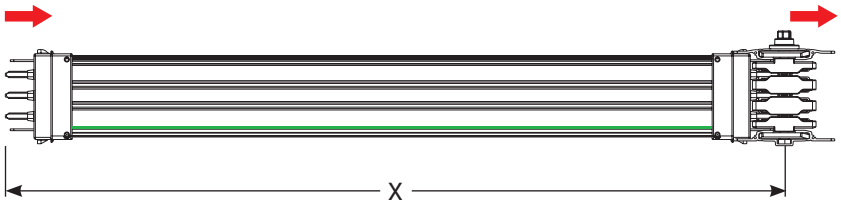
Sample Order:
250 A, Aluminium,
IP23D, 6 Conductors,
Painted
KDA-III 02206-B-STD



Housing Type 1: 250A-400A (Al); 250A-400A-600A (Cu)
Housing Type 2: 600A (Al), 800A (Cu)

Special Length

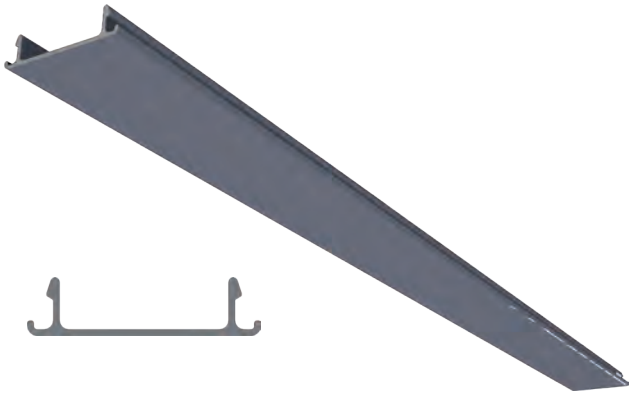
Sample Order:
250 A, Aluminium,
IP23D, 6 Conductors,
Painted
KDA-III 02206-B-X
X=1500 mm.
Note:
Minimum Length (X)=650 mm.

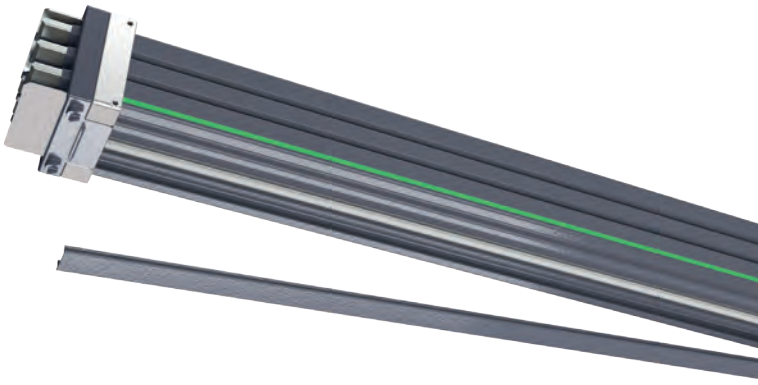


Housing Type 1: 250A-400A (Al); 250A-400A-600A (Cu)
Housing Type 2: 600A (Al), 800A (Cu)

Aluminium Closure Panel

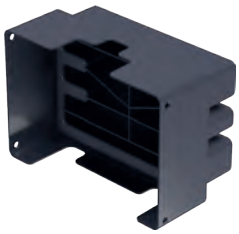
Standard length= 2800 mm

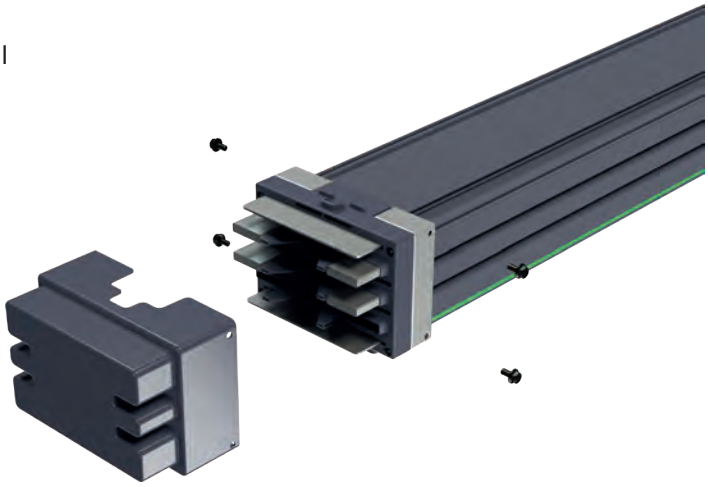




End Closer (S)

It is used to close the end of the BUSWAY run and included on all standard and special length of BUSWAYs.





E-LINE KD-III

Feeder Boxes 250A...600A (Al), 250A...800A (Cu)

Feeder Box (B10)

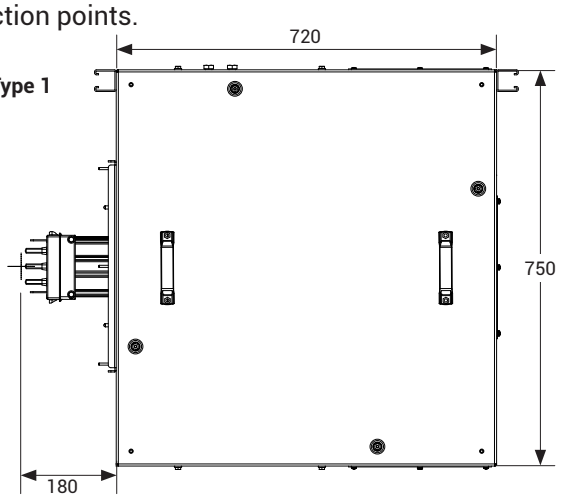
Orientation : Right → Left

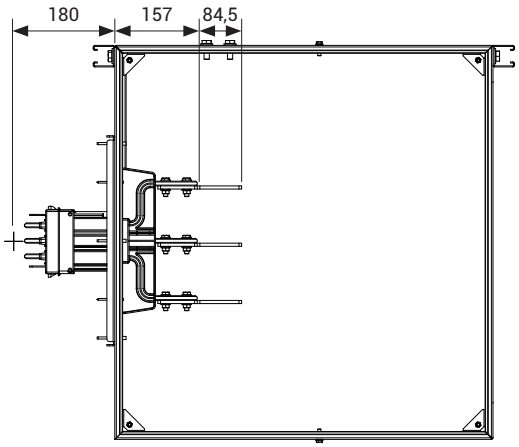
The busduct runs from the right side to the left side when connected to the End Feed Box.

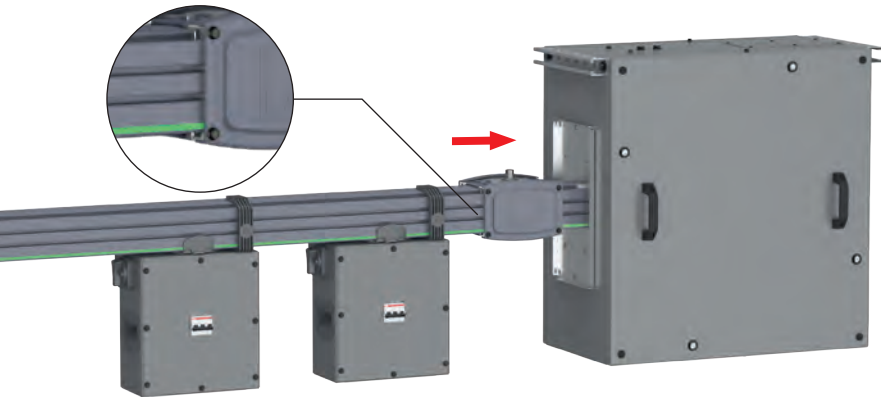


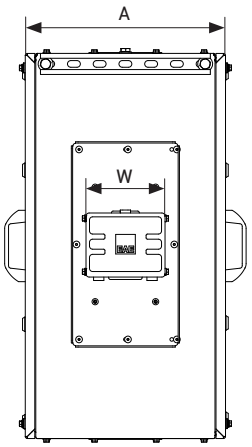
* Support the feeder units from corresponding junction points.

Type 1









	A (mm)	W (mm)
Housing Type 1	380	140
Housing Type 2	380	168

Housing Type 1: 250A-400A (Al); 250A-400A-600A (Cu)
Note: Please consider the conductor type for your project.
There is no separate order code, one code covers each ampacity.

Housing Type 2: 600A (Al), 800A (Cu)
Note: Please consider the conductor type for your project.
There is no separate order code, one code covers each ampacity.

- Hinged and easily removable cover
- IR window (optional)
- Energy Monitoring (optional)

Tap-off boxes cannot be installed on feeder boxes.

* Please contact us for special feeder boxes.
* All dimensions in mm.

E-LINE KD-III

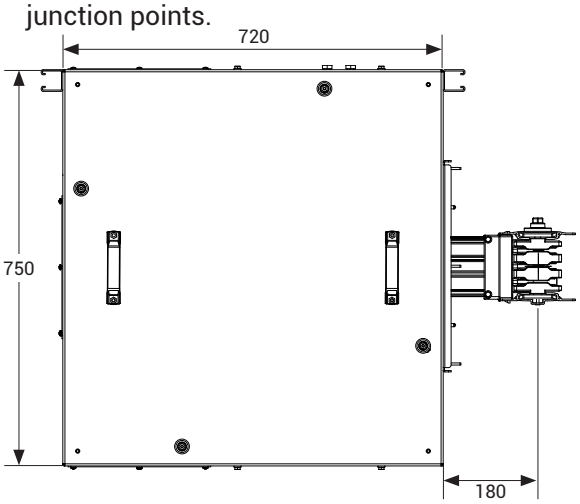
Feeder Boxes 250A...600A (Al), 250A...800A (Cu)

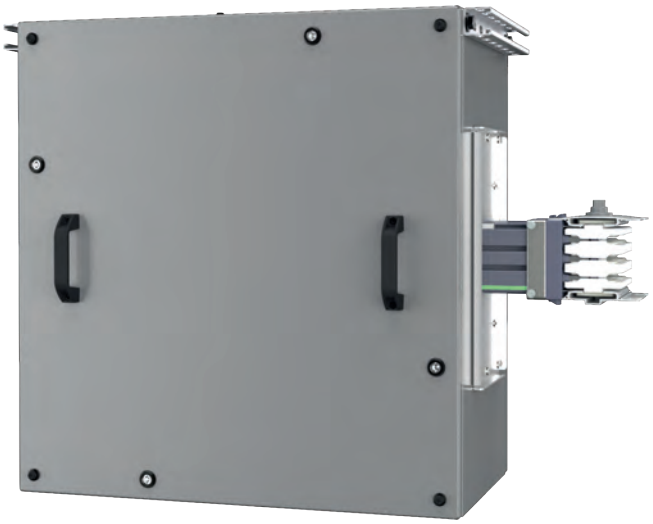
Feeder Box (B11)

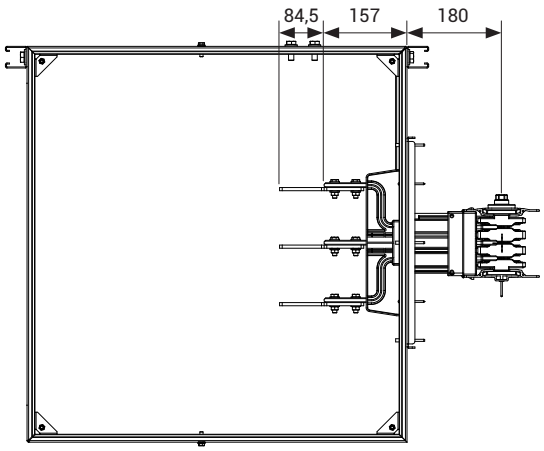
Orientation : Left → Right

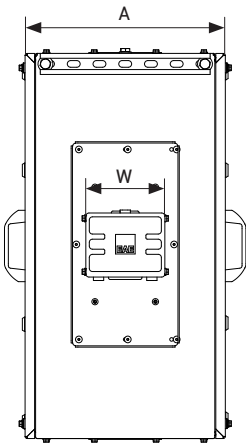
The busduct runs from the left side to the right side when connected to the End Feed Box.

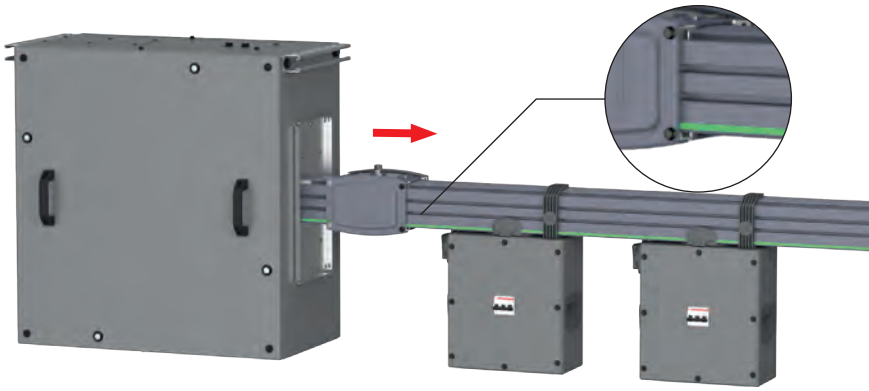
* Support the feeder units from corresponding junction points.











Housing Type 1: 250A-400A (Al); 250A-400A-600A (Cu)
Note: Please consider the conductor type for your project.
There is no separate order code, one code covers each ampacity.

Housing Type 2: 600A (Al), 800A (Cu)
Note: Please consider the conductor type for your project.
There is no separate order code, one code covers each ampacity.

	A (mm)	W (mm)
Housing Type 1	380	140
Housing Type 2	380	168

- Hinged and easily removable cover
- IR window (optional)
- Energy Monitoring (optional)

⚠ Tap-off boxes cannot be installed on feeder boxes.

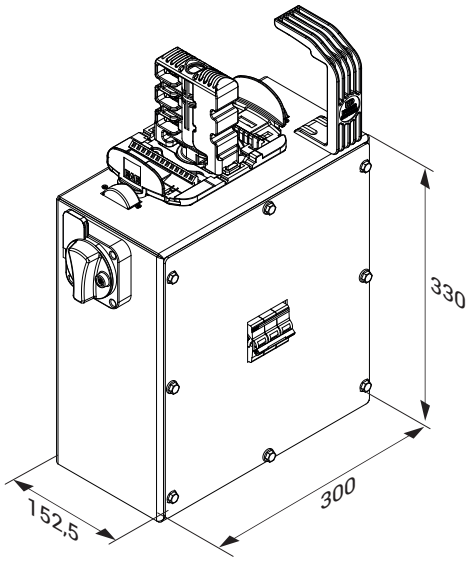
* Please contact us for special feeder boxes.
* All dimensions in mm.

E-LINE KD-III

Tap-Off Boxes

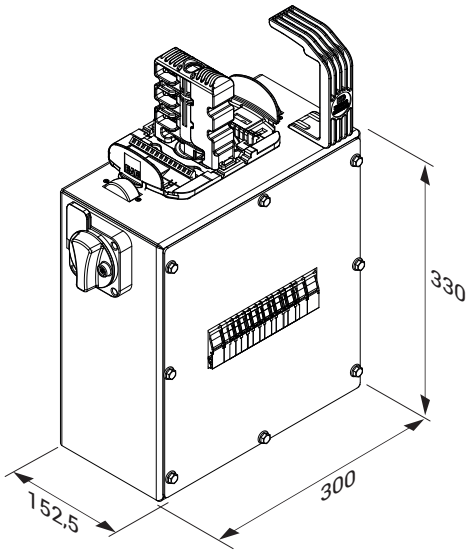
Type 01





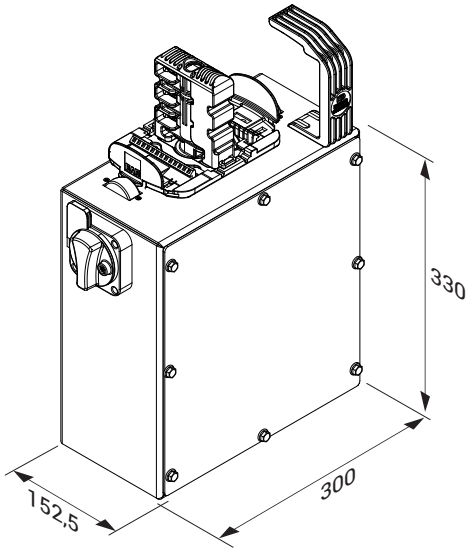
Type 02





Type 03





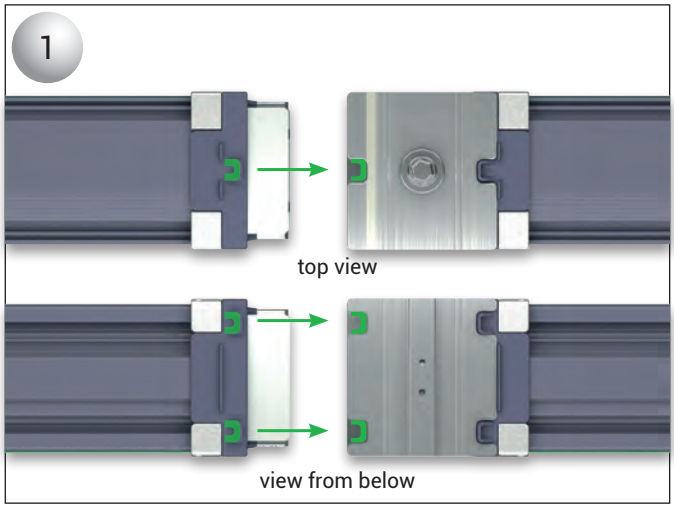
* Please contact us for special boxes.
* All dimensions in mm.

E-LINE KD-III

Installation

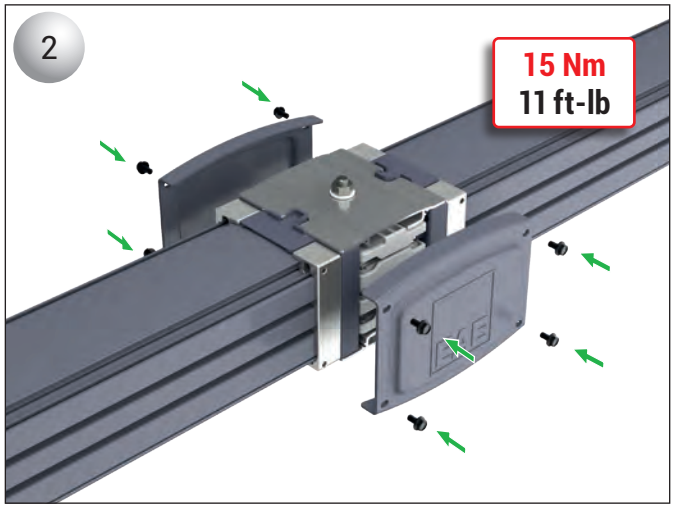
Joint Installation

1



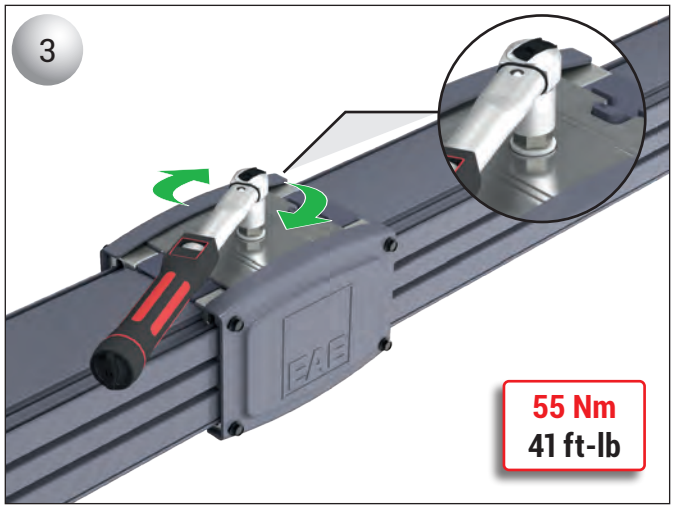
Align the busbars those with and without block joints facing each other and insert together

2



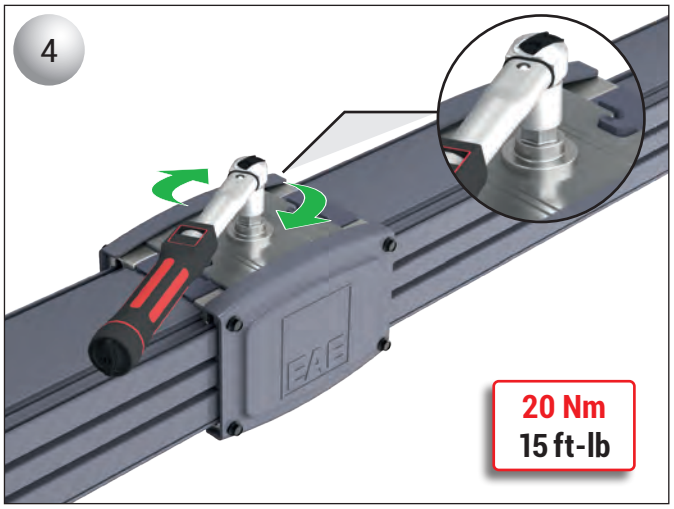
Assemble the joint cover and tighten the cover bolts

3



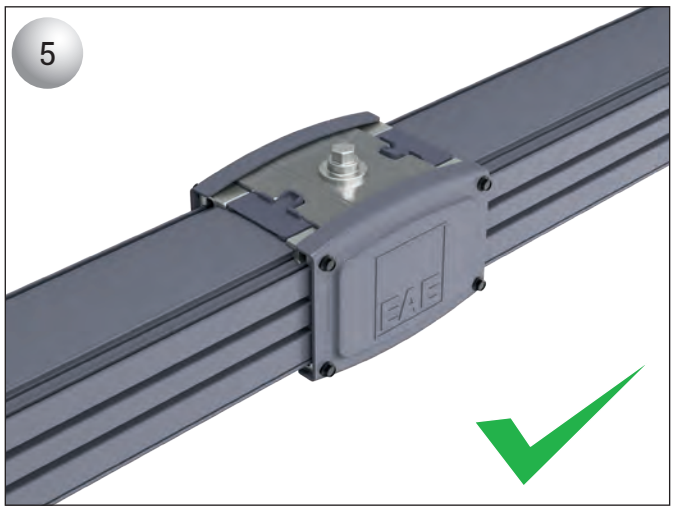
Adjust the torque wrench to **55 Nm** and tighten the joint nut

4



Mount the nut locking piece on the nut

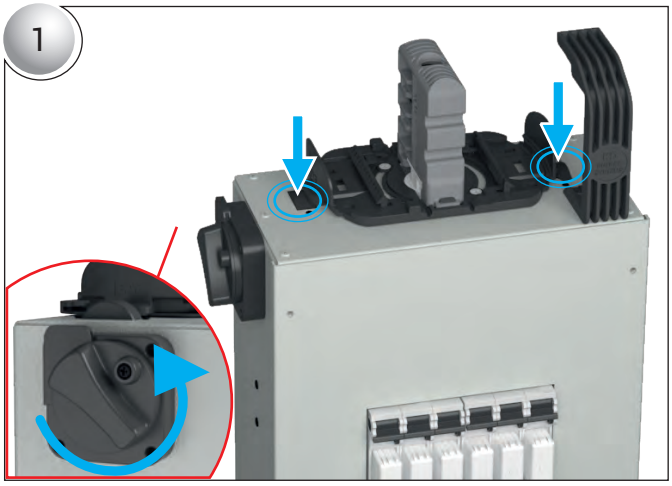
5



Assembly completed.

Installation

Busplug Installation

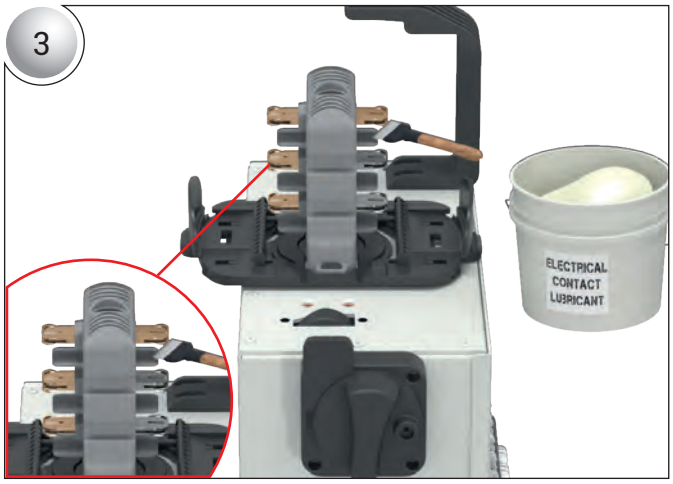


Ensure that the locking latch is in the correct position (as indicated). Engage the installation mechanism by pressing the claws.

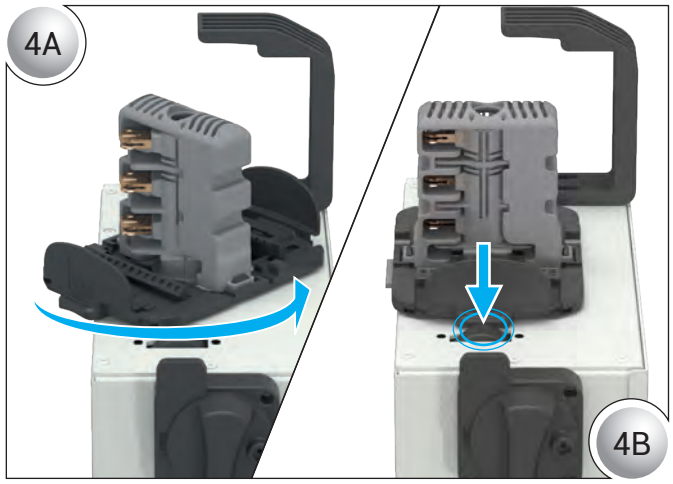
If this step is not performed correctly, the busplug contact set may be damaged due to excessive mechanical force.



Rotate the contact holder assembly in the indicated direction until it is properly aligned and fully engaged with the base mechanism. Ensure smooth movement and correct alignment with the mounting interface.



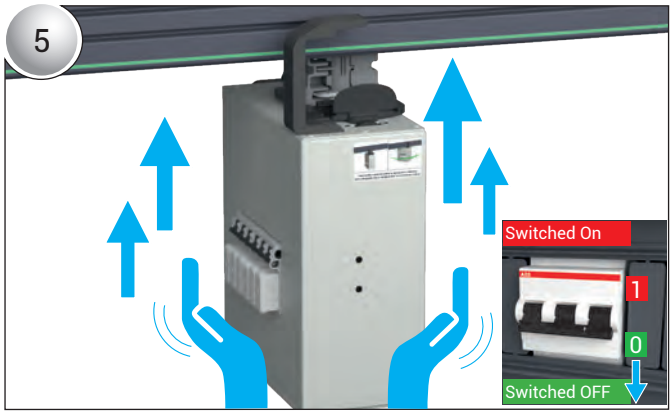
Apply a thin, uniform layer of the specified electrical contact lubricant to the designated contact surfaces. This reduces friction, minimizes wear, and ensures reliable electrical conductivity. Lubricate only the specified contact areas.



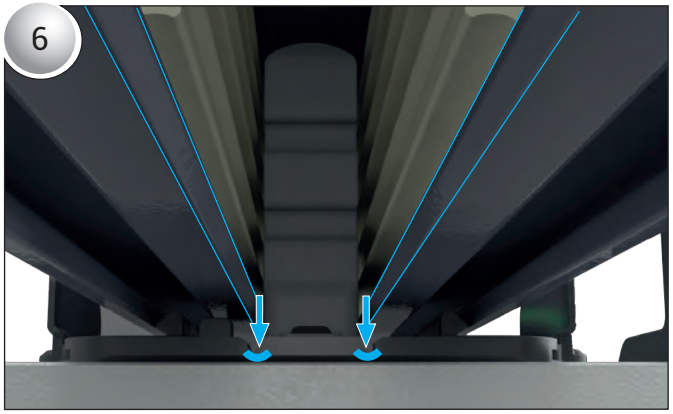
Rotate the contact assembly in the indicated direction until it reaches its final seated position on the base. Press down to engage and secure the locking mechanism (center fixing point as shown) to firmly lock the contact assembly in place. Verify that the assembly is fully seated and properly locked before operation.

Notes: For the purpose of ensuring earth continuity, the installation of the upper mechanism onto the busway may cause minor paint imperfections on the top part of the busplug. These imperfections are solely cosmetic and do not affect the electrical or mechanical performance of the product.

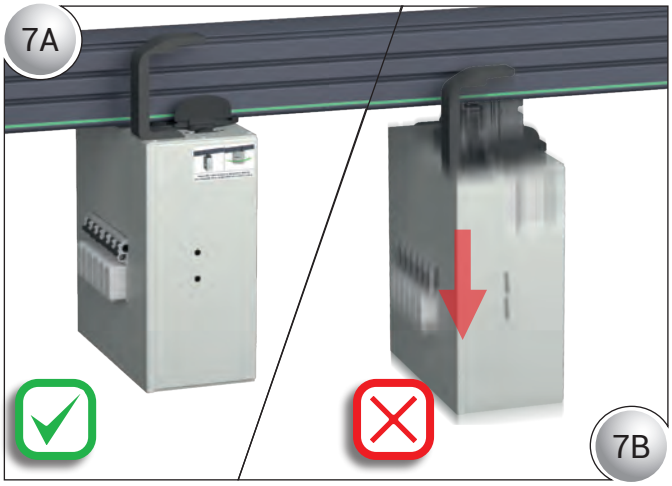
Notes: When the switch is in the ON position, the front cover must not be opened. There is a risk of electric shock.



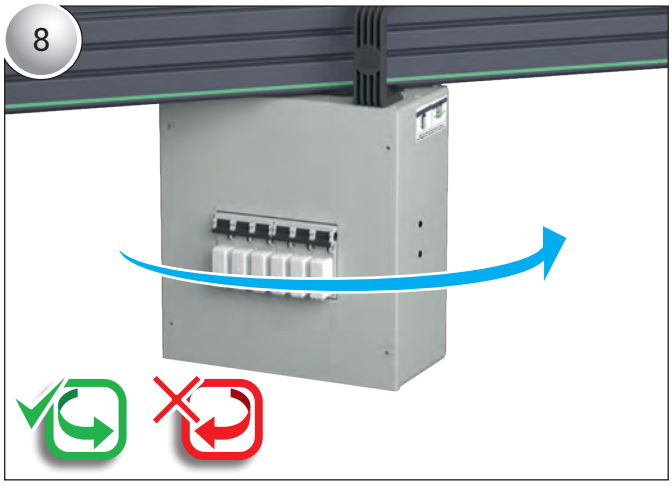
Insert the busplug into the busway slot, ensuring that the mounting angle is aligned with the housing and the green reference line is visible on the side. During installation and removal of the busplug, all circuit breakers within the unit shall be in the OFF position. Before the installation, verify that all circuit breakers are switched OFF.



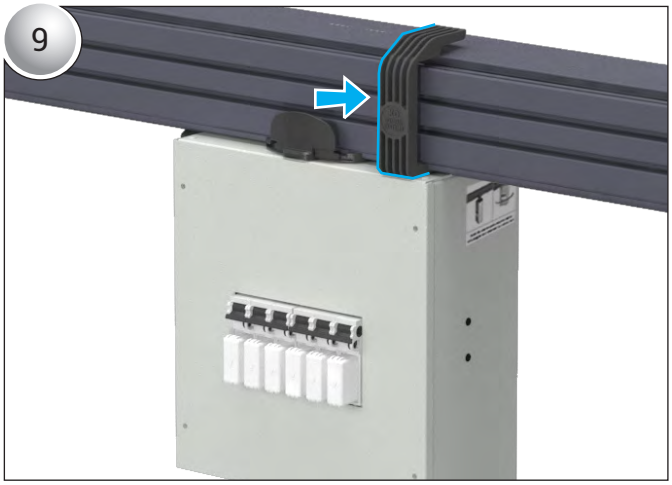
Ensure that the marked guide slots are fully and correctly seated within the busway channel. Proper aligment is required before proceeding.



Verify that the busplug is fully inserted into the busway slot and mechanically locked in position.



Engage the busplug by rotating it in the direction indicated by the arrow until it reaches the operating position.
Do not rotate the busplug in the opposite direction.



Ensure that the mounting angle is correctly secured onto the busway housing and properly aligned with the reference line.

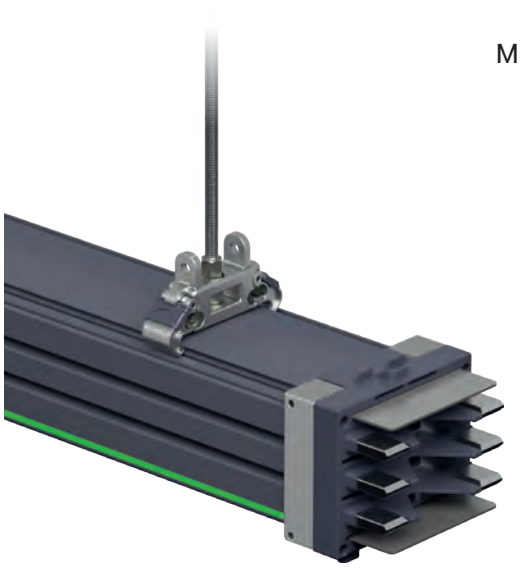


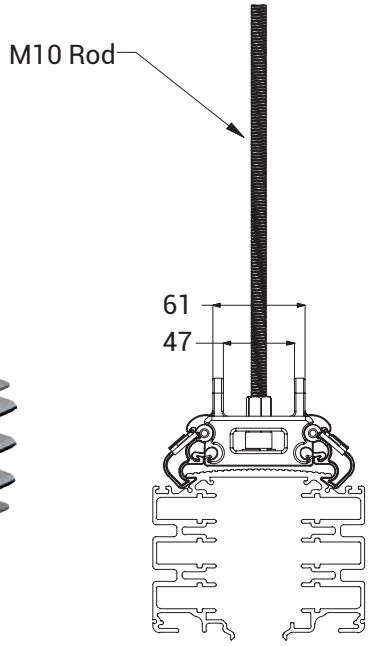
Secure the busplug by turning the locking latch in direction of the arrow.
Make sure the locking tongue here is inserted into the busway channel.

Notes: For the purpose of ensuring earth continuity, the installation of the upper mechanism onto the busway may cause minor paint imperfections on the top part of the busplug. These imperfections are solely cosmetic and do not affect the electrical or mechanical performance of the product.

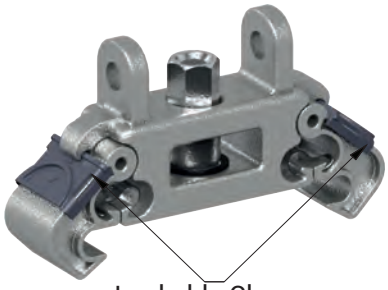
Notes: When the switch is in the ON position, the front cover must not be opened. There is a risk of electric shock.

Application I : TMP Ceiling Support with Snap-In Fixing Unit



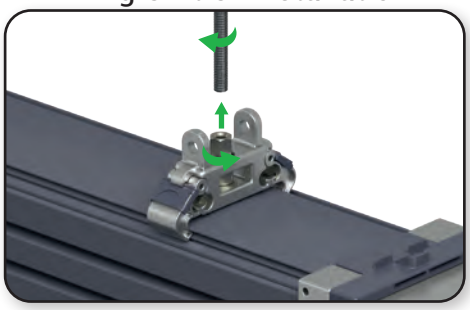


THREADED ROD SUPPORT	
KD SNAP-IN	2143683

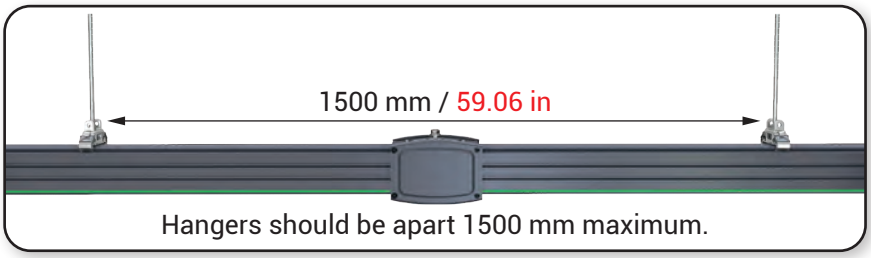


* Bolt and Nuts are included.

▶Fixing Unit Uninstallation

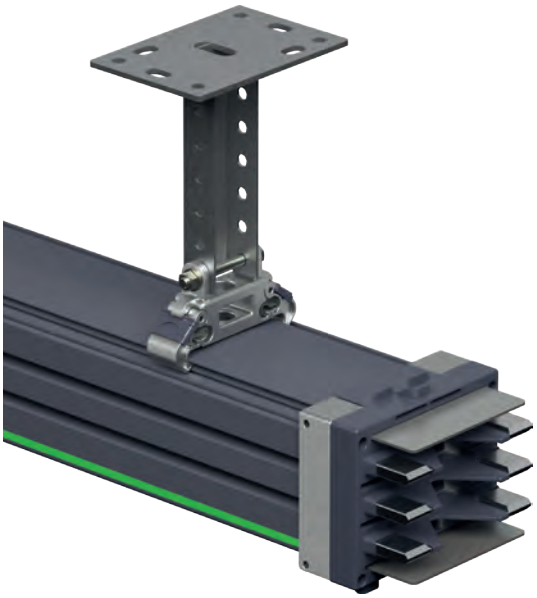


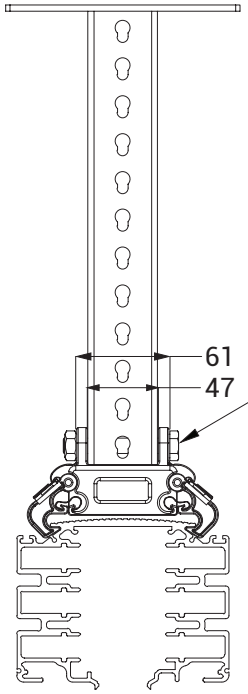
▶Hanger Width



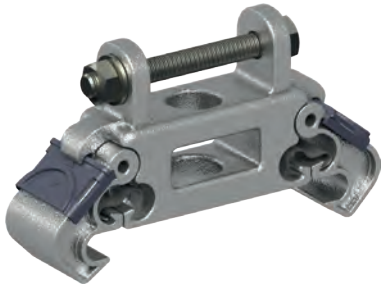
* The minimum engagement into the hanger is 20 mm / 0.79 inch

Application II : TMP Ceiling Support with Snap-In Fixing Unit

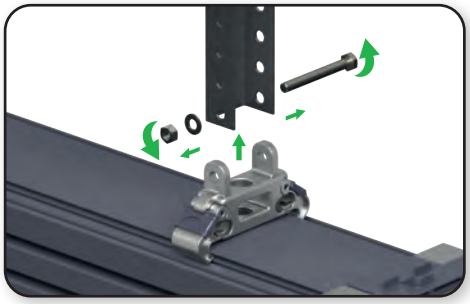




TMP CEILING SUPPORT	
KD SNAP-IN	2143682

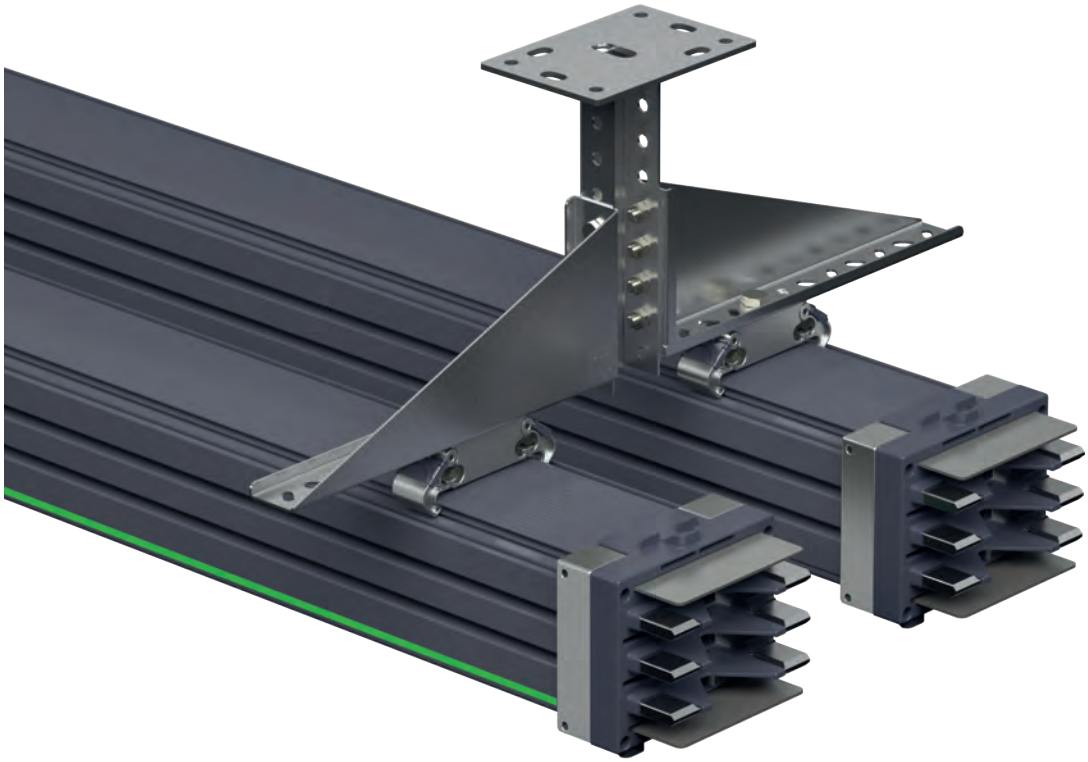


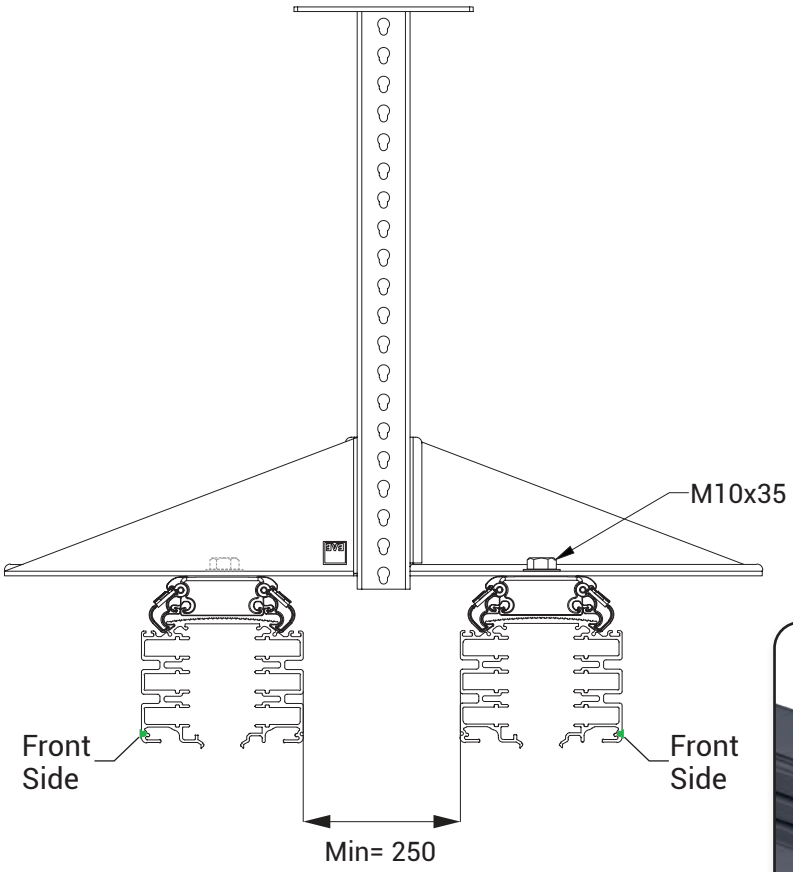
▶Fixing Unit Uninstallation



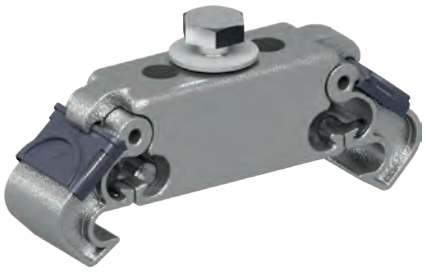
* Bolt and Nuts are included.
* All dimensions in mm.

Application III : TMP Ceiling Support and Tray Bracket with Snap-In Fixing Unit

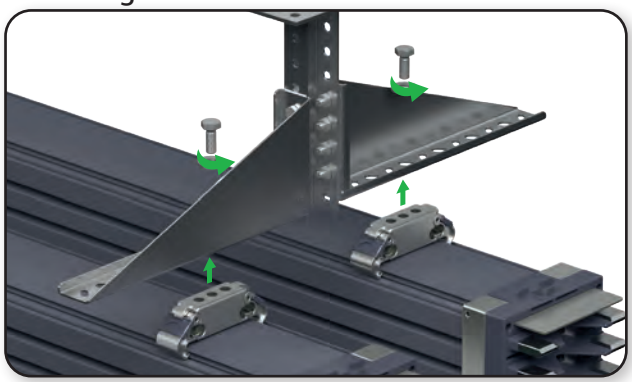




TS TRAY SUPPORT	
KD SNAP-IN	2143684



▶Fixing Unit Uninstallation

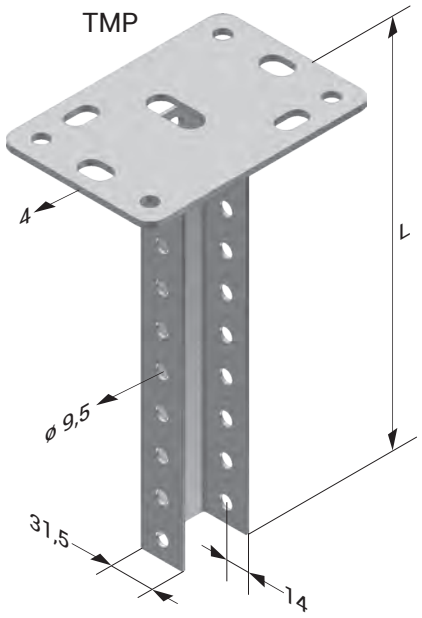


* Bolt and Nuts are included.
* All dimensions in mm.

Ceiling Mounting Fittings

Hot Dip Galvanized After Fabrication (TS EN ISO 1461)

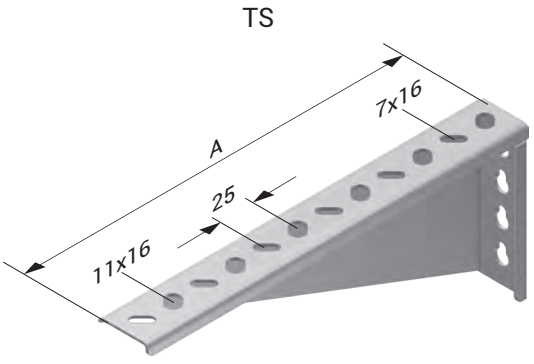
Description	L (mm)	T (mm)	Pulling Load (kg.)	Weight (kg./pc.)	Order Code	Pack (pc.)
TMP 42 Ceiling Support Unit	250	2	500	0,542	**3008233**	20
TMP 43 Ceiling Support Unit	500	2	500	0,949	**3008234**	10
TMP 44 Ceiling Support Unit	1000	2	500	2,131	**3008235**	-
TMP 45 Ceiling Support Unit	2000	2	500	3,791	**3007952**	-



Tray Supports

Hot Dip Galvanized After Fabrication (TS EN ISO 1461)

Description	A (mm)	T (mm)	Weight (kg./pc.)	Order Code	Pack (pc.)
TS 200	205	2	0,311	**3008551**	10
TS 250	255	2	0,521	**3008549**	10
TS 300	305	2	0,607	**3008547**	10
TS 400	405	2	0,781	**3008545**	10
TS 500	505	2	0,955	**3008543**	10
TS 600	605	2	1,128	**3005828**	10

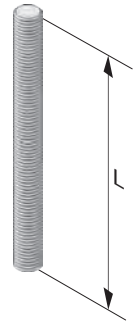


* Please contact us for special size.
* All dimensions in mm.

Connection Accessories

Description	L (mm)	Weight (kg./pc.)	Order Code
Threaded Rod (M10)	500	0,245	**5000037**
Threaded Rod (M10)	1000	0,490	**5000032**
Threaded Rod (M10)	1500	0,735	**5000031**
Threaded Rod (M10)	2000	1,030	**5000030**
Threaded Rod (M10)	3000	1,520	**5000029**
Threaded Rod (M10) Electro Galvanized	500	0,245	**5000172**
Threaded Rod (M10) Electro Galvanized	1000	0,490	**5000173**
Threaded Rod (M10) Electro Galvanized	1500	0,735	**5000174**
Threaded Rod (M10) Electro Galvanized	2000	1,030	**5000175**
Threaded Rod (M10) Electro Galvanized	3000	1,571	**5000301**

M10 Rod



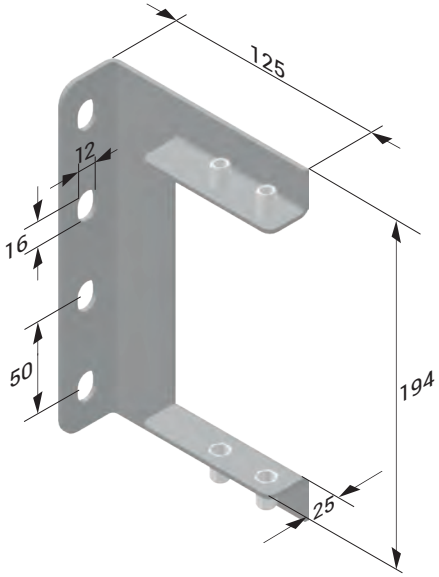
Description	Weight (kg./pc.)	Order Code
Extension Nut (M10) Lacquered	0,070	**1004312**

Extension Nut



Description	Order Code
Horizontal KD Hanger Element	**2185387**

Horizontal Hanger



* Please contact us for special size.
* All dimensions in mm.

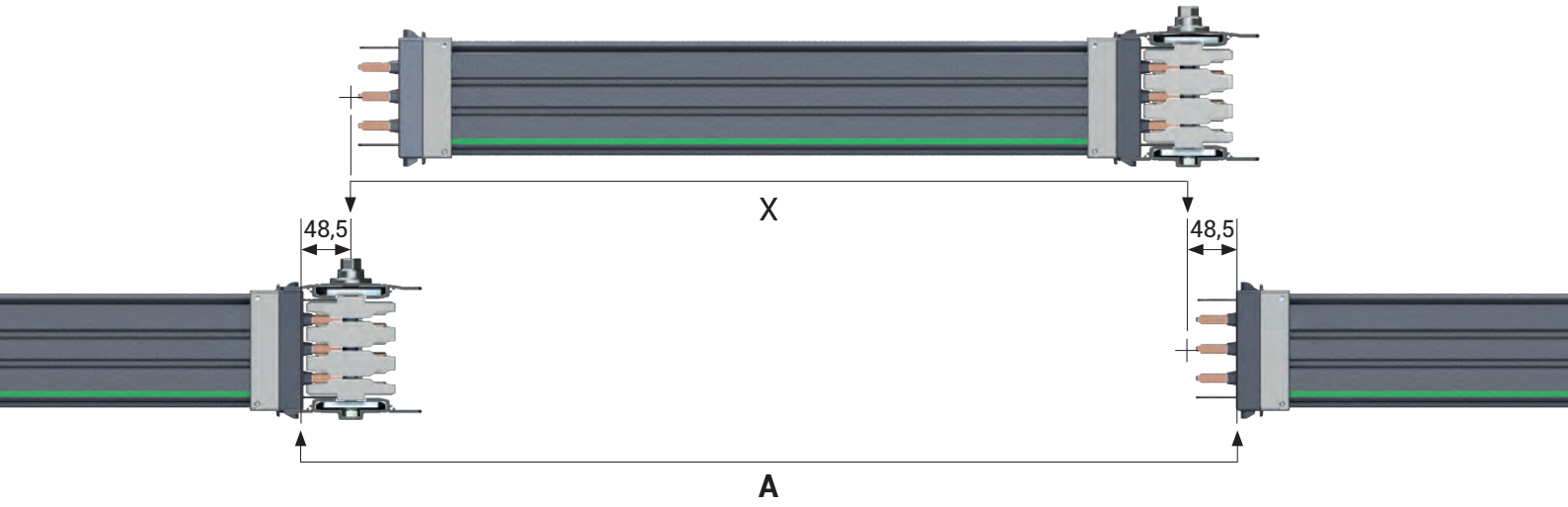
E-LINE KD-III

Measuring a Special Length

After installation of standard BUSWAY 3048mm / 10ft lengths, you will be in need of special lengths which are smaller than 3048 mm. The minimum length for these special elements can be 650 mm. Please measure the lengths of these modules as shown below.

Length A is measured between housing of 2 BUSWAYs in mm. A. The special length is calculated by deducting 97 mm from this measured length.

X=A-97 mm X=Length of Special BUSWAY (The BUSWAY module will be manufactured as per X value.)



* All dimensions in mm.

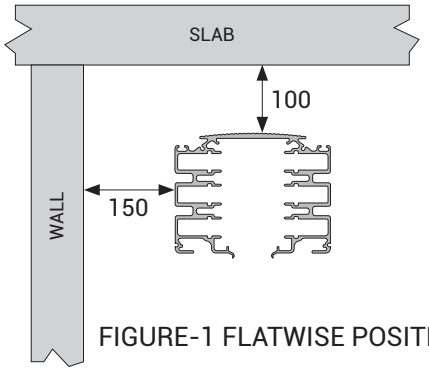


FIGURE-1 FLATWISE POSITION

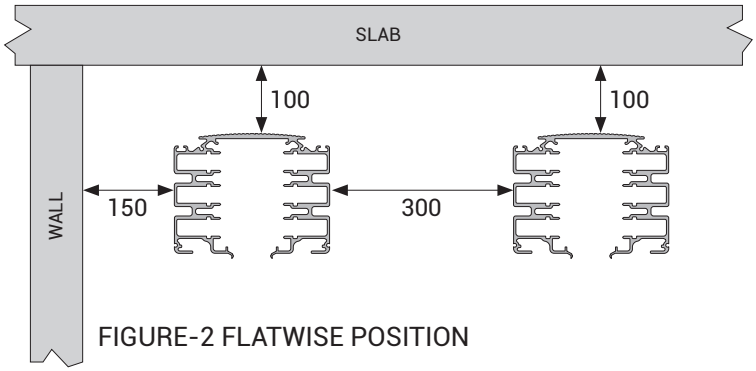


FIGURE-2 FLATWISE POSITION

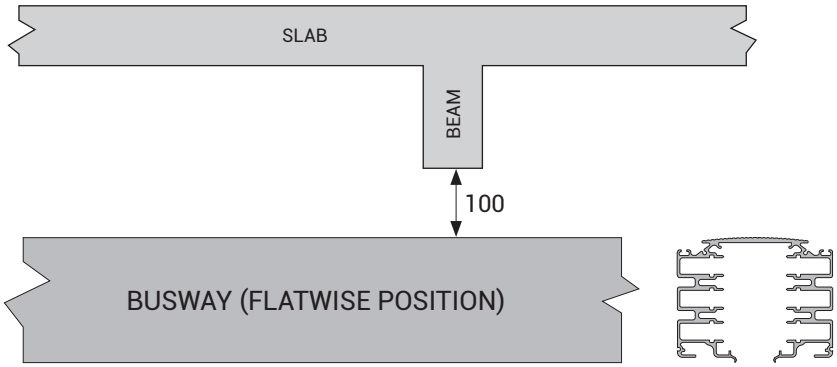


FIGURE-3 CROSSING UNDER A BEAM HORIZONTAL POSITION

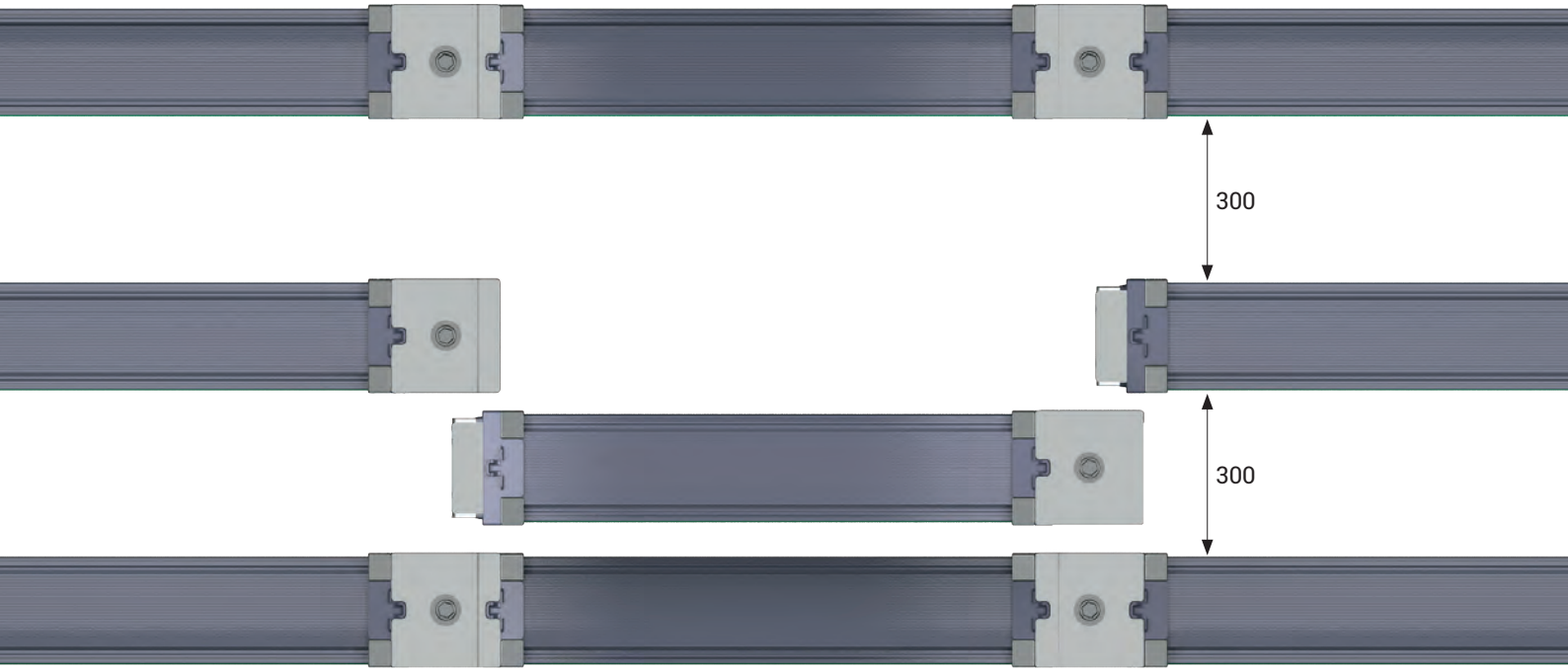


FIGURE-4 MINIMUM DISTANCE BETWEEN BUSWAY RUNS

* All dimensions in mm.

E-LINE KD-III

Certificates



E-LINE KD-III

Certificates



Certificate of Compliance

Certificate Number:
UL-CA-2414074-0

Report Reference:
E505448-20240613

Issue Date:
2024-06-17

Issued to:
EAE ELEKTRIK ASANSOR END INS SAN VE TIC A S
Akçaburgaz mah 3114 Sokak 10
Esenyurt Istanbul, Istanbul 34510
Turkey

This certificate confirms that representative samples of:
CWFT7 - Busways and Associated Fittings Certified for Canada

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.

CSA C22.2 No. 27-09, 6th Ed., Issue Date: 2009-03-25, Revision Date: 2021-04-09

Additional Information:
See UL Product iQ® at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

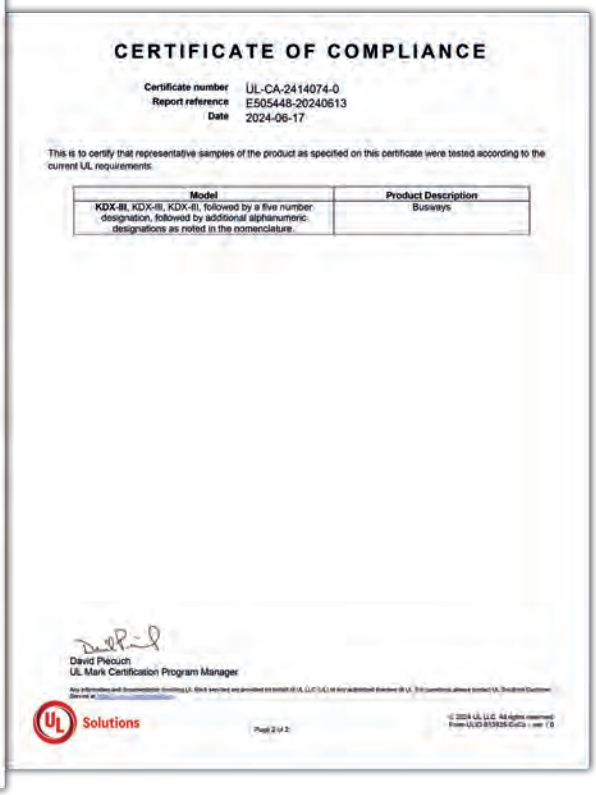
Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

David Piecuch
UL Mark Certification Program Manager

UL Solutions

Page 1 of 2



CERTIFICATE OF COMPLIANCE

Certificate number UL-CA-2414074-0
Report reference E505448-20240613
Date 2024-06-17

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Model	Product Description
KDX-III, KDX-III, KDX-III, followed by a five number designation, followed by additional alphanumeric designations as noted in the nomenclature.	Busways

David Piecuch
UL Mark Certification Program Manager

UL Solutions

Page 2 of 2



Certificate of Compliance

Certificate Number:
UL-CA-2414074-0

Report Reference:
E505448-20240613

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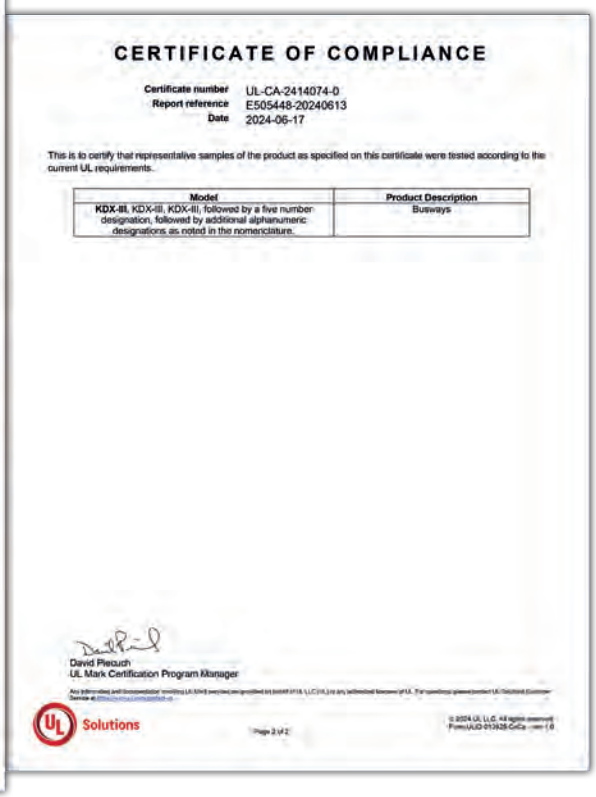
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UL Solutions

Page 1 of 2



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KDX-III, KDX-III, KDX-III, followed by a five number designation, followed by additional alphanumeric designations as noted in the nomenclature.	Busways

David Piecuch
UL Mark Certification Program Manager

UL Solutions

Page 2 of 2

CE DECLARATION OF CONFORMITY

Product Group	E-Line KD Data Rack BUSWAY
Manufacturer	EAE Elektrik Asansor End. Insaat San. ve Tic. A.S. Akcaburgaz Mahallesi, 3114. Sokak, No:10 34522 Esenyurt-Istanbul-Turkey

The objects of the declaration described below is in conformity with the relevant Union harmonisation legislation. This declaration of conformity is issued under the sole responsibility of the manufacturer.

Standard:

TS EN 61439-6

Low-voltage switchgear and controlgear assemblies - Part 6: BUSWAY trunking systems

IEC 61439-6

Low-voltage switchgear and controlgear assemblies - Part 6: BUSWAY trunking systems (busways)

CE - Directive:

2014/35/EU "The Low Voltage Directive"

2014/30/EU "(EMC) Electromagnetic Compatibility Directive"

2011/65/EU "RoHS Directive"

Technical Document Preparation Official:

EAE Elektrik Asansor End. Insaat San. ve Tic. A.S.
Akcaburgaz Mahallesi, 3114. Sokak, No:10 34522 Esenyurt-Istanbul

Mustafa AKÇELİK

Date

20.04.2025

Document Authorized Signatory

Elif Gamze KAYA OK
Deputy General Manager

250A ... 800A DATA RACK BUSWAY
PRODUCT OVERVIEW (E-LINE KD-III)

1- Standards & Certification:

-Busway system shall be designed and manufactured as per IEC 61439-6 standard, which requires below listed tests. Each busway rating shall have a separate type test certificate from an independent internationally accredited laboratory including below tests:
10.2- Strength of material and parts, 10.2.2- Resistance to corrosion, 10.2.3- Properties of insulating materials, 10.2.3.1- Verification of thermal stability of enclosures, 10.2.3.2- Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects, 10.2.6- Mechanical impact, 10.2.7- Marking, 10.2.101- Ability to withstand mechanical loads , 10.2.101.1- Test procedure for a straight busway trunking unit, 10.2.101.2- Test procedure for a joint, 10.2.101.3- Resistance of the enclosure to crushing, 10.3- Degree of protection of assembly, 10.4- Clearances and creepage distances, 10.5-Protection against electric shock and integrity of protective circuits, 10.5.2- Effective earth continuity between the exposed conductive parts of the assembly and the protective circuit, 10.5.3- Short-circuit withstand strength of the protective circuit, 10.9- Dielectric properties, 10.9.2- Power-frequency withstand voltage, 10.9.3- Impulse withstand voltage, 10.10- Verification of temperature rise, 10.11- Short- circuit withstand strength, Annex BB Phase conductor characteristics, Annex CC Fault-loop zero-sequences impedances, Annex DD Fault-loop resistances and reactances.

- Busway system shall have CE marking.

-The manufacturer of busway system shall have ISO 9001 and ISO 14001 certification.

-Each product shall have a "Type Label" including coding system, which identifies the brand, type of the unit, number of conductors and electrical details. The same coding shall be on the related certificate and catalogue.

2- Electrical Characteristics

- Busway systems nominal insulation voltage shall be 600 V.

2.1- Housing

-Conductors shall be packed and placed into the housing.

-Housing shall be made of thermal processed, extruded aluminium, RAL7012-Electrostatic painted.

2.2- Conductors

Aluminium or Copper conductors overall isolated and tin plated.

- Aluminium conductors between 250A – 600A.
- Copper conductors between 250A –800A.
- Busway system shall have the following number of conductors and wire configuration;
- 6 Conductors: (6 full size conductors CPE (100% earth conductor + double neutral + housing)),
- Phase conductors and neutral conductor shall have the same cross-section and they shall be insulated.
- Aluminium conductors shall be of EC grade aluminium. Minimum conductivity shall be 34m/mm².Ω.
- Copper conductors shall be minimum 99,95% electrolytic copper. Minimum conductivity shall be 56m/mm².Ω.

2.3- Insulation

- Insulation system shall be suitable for 1.000V continuous operation. Conductor size shall be designed so that temperature rise on the conductors shall not exceed 130°C degree at nominal current, which helps to global heating problem. With this reason, insulation class shall be selected as "B class".

2.4-Joint Structure

- Electrical and mechanical connection shall be made by placing conductor joints into the joint blocks of the connected conductors and followed by tightening and fastening of the joint bolts.

2.5-Protection

- Protection degree of the housing and joints shall be IP23D.

2.6-Acessories

- Busway system shall have all necessary accessories (elbows, panel-transformer connections, etc.) Manufacturer shall supply special dimensioned units in short time, if the project conditions requires

3-Tap Off Boxes

- The Tap off boxes shall be Plug-nPlay type.
- Plug-n-Play tap off boxes shall be suitable to install or remove from BUSWAYs without switching off the power on the BUSWAY.
- Plug-n-Play tap off boxes shall be suitable to install or remove anywhere alongside the BUSWAY.
- The Tap-Off Box contacts shall be protected with a cover
- The Tap-Off contacts shall be heat cycle tested
- Contacts of plug-in tap off box shall be silver plated.
- The special locking mechanism of the Tap-Off Boxes shall ensure to carry the weight of the plug-in box and cables by the busway housing.
- While inserting the contacts of plug-in tap off box, earth contact shall make the first touch. While removing, it shall be disconnected last.
- Tap off boxes shall be manufactured of epoxy painted aluminium.
- The Tap-Off Boxes shall be equipped with a safe alignment mechanism to ensure correct installation and operation

4-Busway Fixing & Mounting System

- The busways shall be easily installed and positioned through their entire lengths with the "Snap-In Fixing Units" by inserting into the guiding slots on top of the housing.
- To ensure flexible positioning of the busways, each single busway length shall easily slide independently on the "Snap-In Fixing Units" through the guiding slots.
- To maintain the mounting security, the "Snap-In Fixing Unit" clamps shall be lockable.
- For various mounting practices the "Snap-In Fixing Units" shall be available with threaded rod, ceiling support and/or with tray brackets options

5-Installation and Commisioning

- Busway systems shall be installed as per Single-Line drawings respect to required ampere rates and manufacturer installation guide (torque values, lockers, etc.). Electrical installer shall run an insulation test after installation, according to manufacturer's test procedures. The results of the test shall be reported to the manufacturer and minimum insulation value shall be 1 Mohms.

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SUSTAINABLE FUTURE

Sustainability Management at EAE Elektrik

As part of our goal to support sustainable development and green transformation, measuring, evaluating, and managing all economic, environmental, and social impacts resulting from our sustainability practices is a key governance priority for EAE Elektrik. We act with great care in analyzing, monitoring, and managing the economic, environmental, and social impacts and risks that arise throughout our value chain in both our national and global operations.





Busway Systems | Cable Tray Systems | Support Systems | Led Lighting

"We are working together with all our stakeholders to develop the electrical technologies that will build the future."

You can visit our sustainability website at
surdurulebilirlik.eae.com.tr

#FutureTogether

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