
# E-LINE KX-III

Busway Systems 400...6000A

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

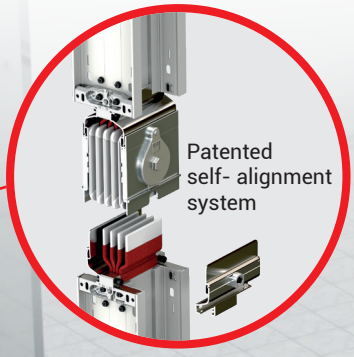
**150+**
Countries Exported To

# CONTENTS

# E-LINE KX-III

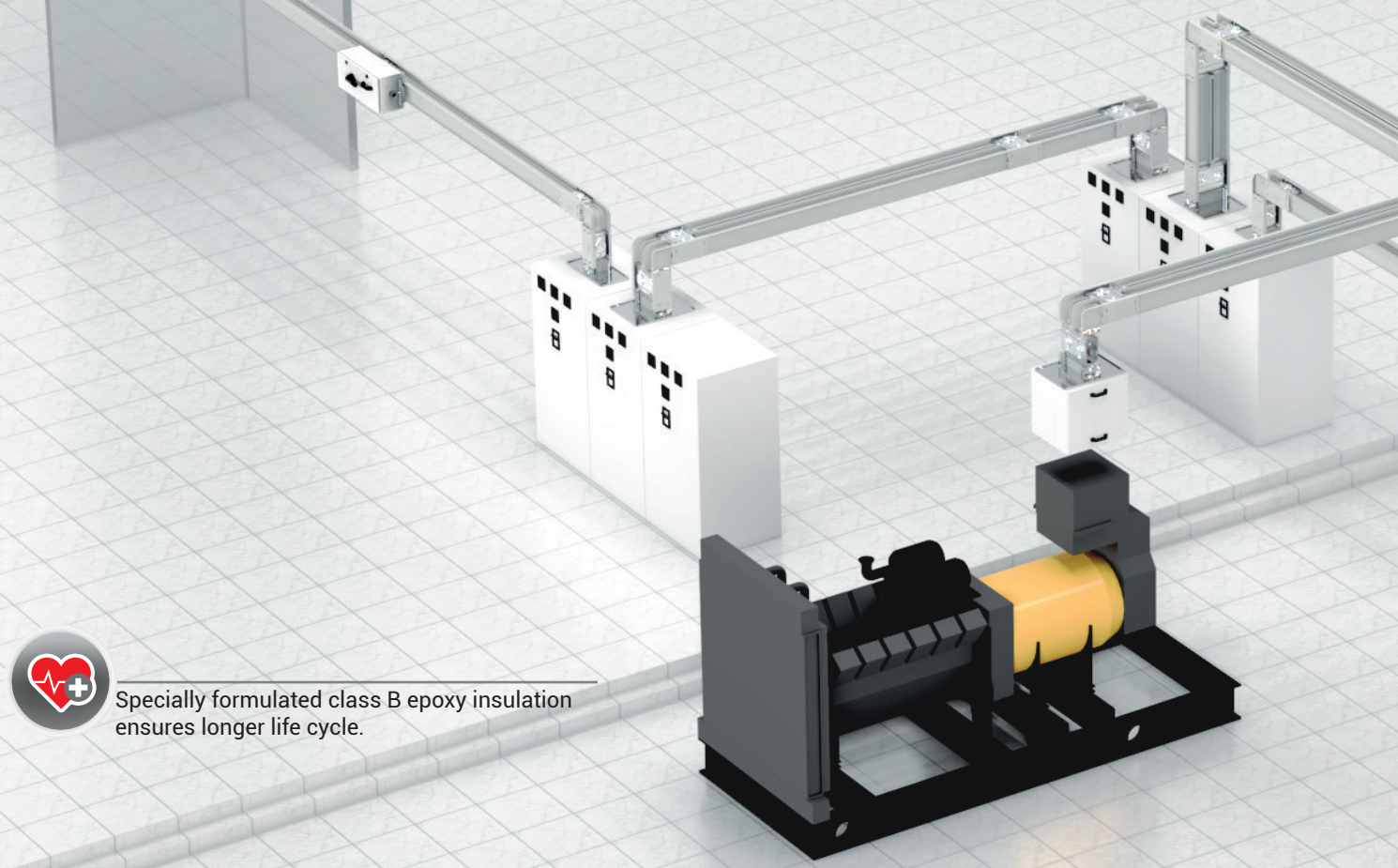
## Introduction

Tin plating is EAE standard application on all busway systems. Silver plating is optional.
Tin / Silver plating, prevents oxide formation on all contact surfaces and minimizes contact resistance.




KX Busway is easier to handle and install, saves labor costs and installation time.

Single-bolt connection includes special EAE belleville spring washer, that retains its original contact pressure ensuring proper electrical contact. Offers securer, more reliable and maintenance-free joint.



Specially formulated class B epoxy insulation ensures longer life cycle.

## Under Regular Surveillance

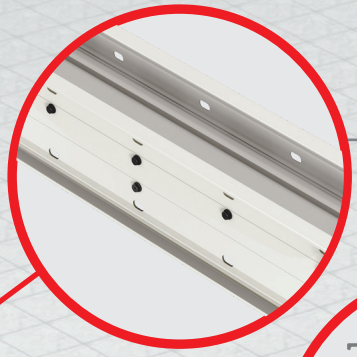
Products and Production are under regular surveillance.

DEKRA

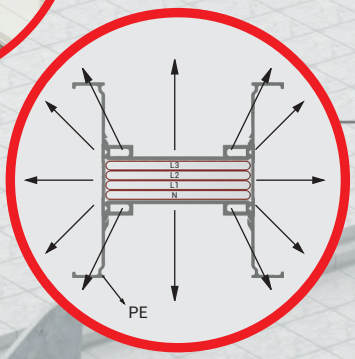
UL LISTED BUSWAY E505448

## UL Listed

UL 857



Coated with special paint to achieve highest durability against UV lights and corrosion.




Specially designed compact structure, with no air gap, ensures perfect heat dissipation.

Extraordinary fire resistance performance.

IEC 60331-1
BS 8491
BS 6387
DIN 4102-12
DIN 4102-9
UL 1479

EAE designs the busway systems for each project according to customer requirements, with focus on energy saving and efficiency.

# E-LINE KX-III

## Distribution & Horizontal Applications

**While designing an electrical distribution system with E-Line KX-III a few approximate details will be necessary.**

- Location, number, type and approximate ratings of loads.
- Transformer rates and short-circuit capacities, Utilization factor=A,
- System coordination with other distribution system (heat. water. etc ).
- Determining the route of E-Line KX-III on layout. If necessary, coordination of E-Line KX-III Busway with E-Line KO-II runs.
- Deciding on suitable hanger types.

**Utilization Factor ($\alpha$)**
Utilization factor ($\alpha$) depends on the type and number of loads. It is usually around 0.7 or lower. The utilization factor of a line that supplies electricity to motors and lighting systems is usually lower than 0.6.
It is as low as 0.30 in weld shops of car factories. it can be 1 in lines where only one big load is supplied.

**Voltage Drop**
For practical voltage drop calculation. necessary values. formula and easy calculation methods are given on the technical characteristics table on pages 6-9.

**Rated Current**
The current is calculated using the following equation:

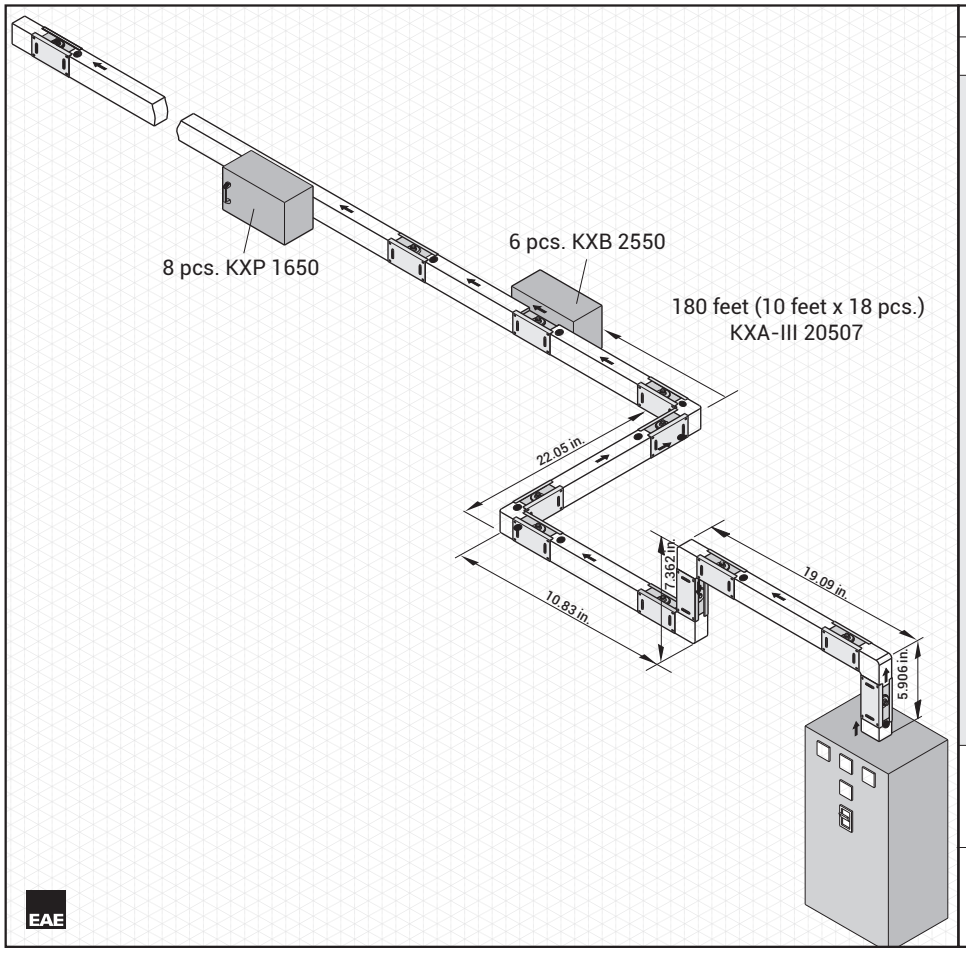
$$I_B = \frac{P.\alpha}{\sqrt{3}.U.\cos\varphi}$$

$I_B$ = Operation current (A)
**P** = Installed load (W)
$\alpha$ = Utilization factor
**U** = Supply voltage (V)

- Busway current rating is chosen as equal to or higher then the calculated $I_B$ current.
- After the voltage drop calculation if the chosen current rate is not convenient. a higher rating is chosen.

**Short-Circuit**
Tested short-circuit capacities are given on technical characteristics table on pages 6-9.

**Busway Installation Plan**
Our distributor's project & design departments will help you for preparing the installation plans on request.




Components List

| Item | Components | | Quantity |
|---|---|---|---|
| 1 | KXA-III 20507 - STD | Busway (20 x10 ft) | 196 ft. |
| 2 | KXA-III 20507 - D | Downwards Elbow | 2 pcs. |
| 3 | KXA-III 20507 - R | Right Elbow | 1 pc. |
| 4 | KXA-III 20507 - U | Upwards Elbow | 1 pc. |
| 5 | KXA-III 20507 - L | Left Elbow | 1 pc. |
| 6 | KXA-III 20507 - P11 | Panel Connection | 1 pc. |
| 7 | KXA-III 20507 - S10 | End Closer | 1 pc. |
| 8 | KXA-III 20507 - X95 | Special Straight Length | 1 pc. |
| 9 | KXA-III 20507 - X120 | Special Straight Length | 1 pc. |
| 10 | KXA-III 20507 - X122 | Special Straight Length | 1 pc. |
| 11 | KXA-III 20507 - X200 | Special Straight Length | 1 pc. |
| 12 | KXA-III 20507 - X174 | Special Straight Length | 1 pc. |
| 13 | KXP 1650 | Tap-off Box | 8 pcs. |
| 14 | KXB 2550 | Tap-off Box | 6 pcs. |

| | |
|---|---|
| Company | : Demir Makine |
| Project | : II.OSB |
| Project No | : 1128 |
| Prepared by | Name : DOGAN SAFRAN |
| | Date : 19.05.2024 |
| | Signature : |

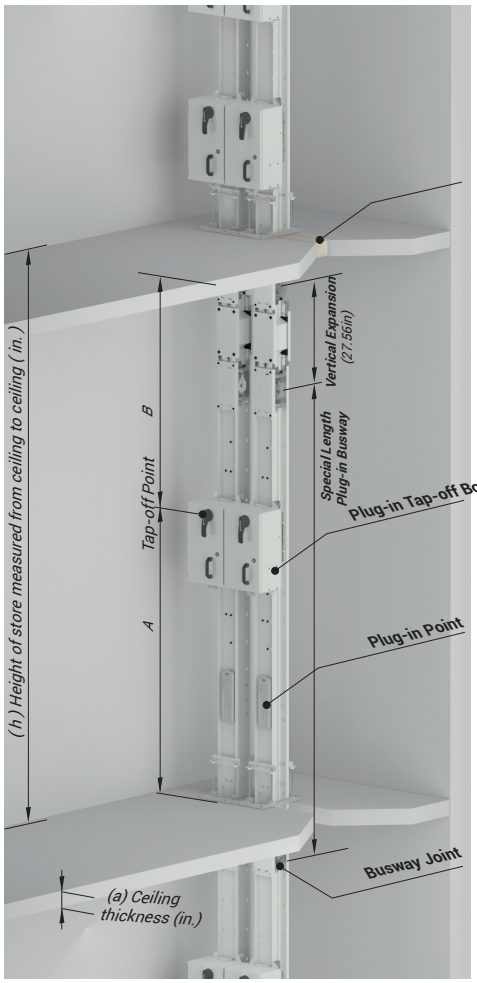
Project Sample

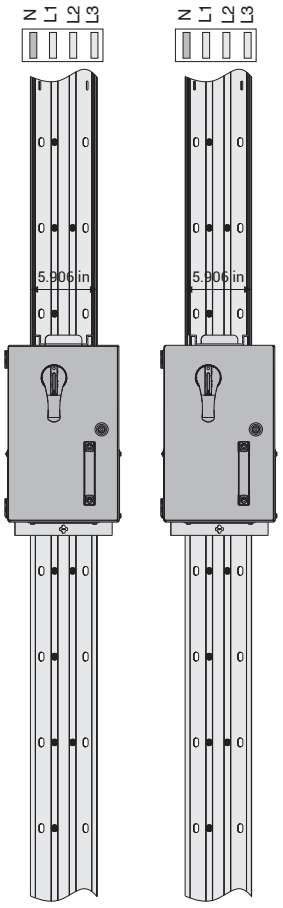
# E-LINE KX-III

## Riser & Vertical Applications

As each building's structure is different than the other for vertical applications of **E-Line KX-III** special projects has to be designed.

The details on this page briefly explain the necessary information for drawing a vertical application project.



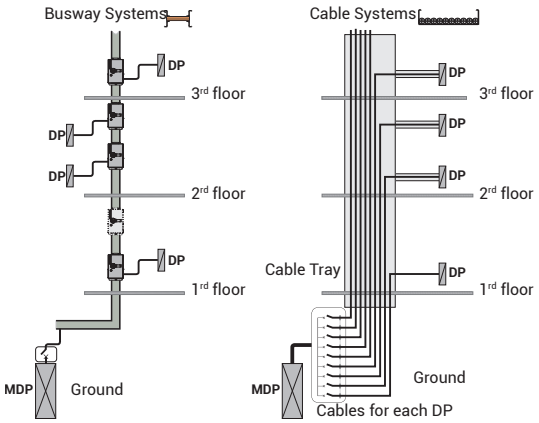




### Project Design

The details below should be sent to our Project & Design department.

- Location and dimensions of the floor penetration where busway will be installed.
- Number, height and ceiling thickness of storeys. (a=.... h=...)
- Connected load for each storey.
- Supply type of the vertical line (busway or cable).

Please send the information to us by fax or e-mail with a sample drawing in Figure 1.




⚠ The alignments of windows or adjunction points on upper floors may not be the same due to floor heights, slab thickness and product tolerances on multi-way busbars in the high-rise vertical shaft applications. Assembly should continue by making measurements on each floor in order for boxes to be in alignment and in order for adjunction points not to coincide with floor transitions.

- EAE is not responsible for the potential risks that may occur in cases where the products in our catalogue are used outside of the standard phase sequences as shown in the catalogue.

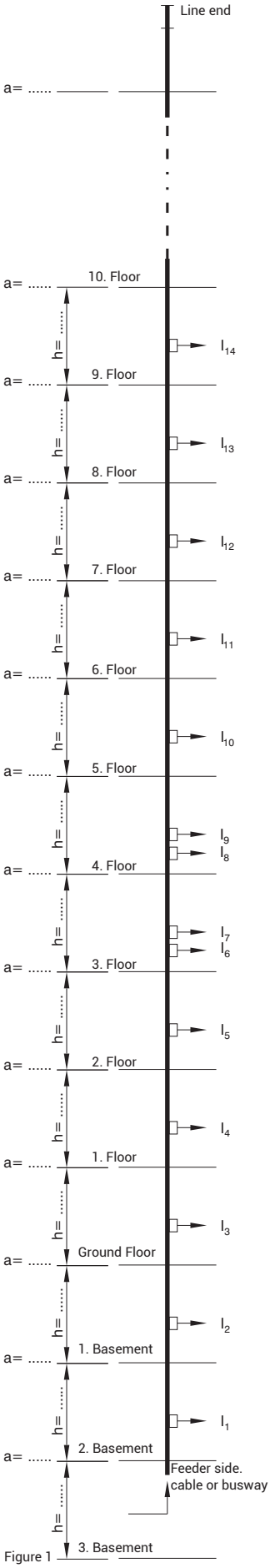



Figure 1

# E-LINE KX-III

## Technical Characteristics

### Aluminium Conductor (Al)

| | | | | | |
|---|---|---|---|---|---|
| **Standards** | UL 857 | | | | |
| **Rated Operational Voltage** | $U_i$ | V | 600 | | |
| **Rated Insulation Voltage** | $U_e$ | Vac | 600 | | |
| **Rated Frequency** | f | Hz | 50-60 | | |
| **Rated Current** | **A** | **400** | **550** | **630** | **800** |
| **Busway Code** | | **04** | **05** | **06** | **08** |
| **6 Cycle RMS Symmetrical Short Circuit Rating** | kA | 50 | 50 | 50 | 65 |
| **Resistance** | mΩ/100ft | 6.018 | 4.490 | 3.283 | 2.257 |
| **Reactance at 60Hz** | mΩ/100ft | 1.158 | 1.494 | 0.864 | 0.785 |
| **Impedance at 60Hz** | mΩ/100ft | 6.128 | 4.732 | 3.395 | 2.390 |
| **Ground Characteristic Under Fault Condition** | | | | | |
| **Resistance** | mΩ/100ft | 10.607 | 9.510 | 8.138 | 6.584 |
| **Reactance at 60Hz** | mΩ/100ft | 5.450 | 5.130 | 4.280 | 3.631 |
| **Impedance at 60Hz** | mΩ/100ft | 11.925 | 10.805 | 9.195 | 7.519 |
| **SECTIONS** | | | | | |
| **Conductor Dimensions** | inch x inch | 0.24x1.2 | 0.24x1.6 | 0.24x2.2 | 0.24x3.1 |
| **L1.L2.L3.N** | inch² | 0.28 | 0.37 | 0.51 | 0.74 |
| | mm² | 180 | 240 | 330 | 480 |
| **PE** (4 ½ Conductors) | inch² | 0.14 | 0.19 | 0.26 | 0.37 |
| | mm² | 90 | 120 | 165 | 240 |
| **PE** (5 Conductors) | inch₂ | 0.28 | 0.37 | 0.51 | 0.74 |
| | mm² | 180 | 240 | 330 | 480 |
| **Aluminium Housing Section** | inch₂ | 2.339 | 2.613 | 2.771 | 2.936 |
| | mm² | 1509 | 1686 | 1788 | 1894 |
| **Busway Weight** (4 Conductors) | lb/ft | 4.97 | 5.3 | 6.17 | 7.58 |
| | kg/m | 7.4 | 7.9 | 9.2 | 11.3 |
| **Busway Weight** (5 Conductors) | lb/ft | 5.3 | 5.78 | 6.85 | 8.6 |
| | kg/m | 7.9 | 8.6 | 10.2 | 12.8 |
| **VOLTAGE DROP FULL LOAD 60Hz per 100ft** | | | | | |
| **Power Factor = 0.4** | V/100ft | 2.398 | 3.006 | 2.291 | 2.241 |
| **Power Factor = 0.5** | V/100ft | 2.398 | 3.006 | 2.291 | 2.241 |
| **Power Factor = 0.6** | V/100ft | 2.398 | 3.006 | 2.291 | 2.241 |
| **Power Factor = 0.7** | V/100ft | 3.491 | 4.010 | 3.181 | 2.966 |
| **Power Factor = 0.8** | V/100ft | 3.817 | 4.276 | 3.432 | 3.155 |
| **Power Factor = 0.9** | V/100ft | 4.105 | 4.476 | 3.639 | 3.293 |
| **Power Factor = 1.0** | V/100ft | 4.169 | 4.277 | 3.582 | 3.127 |

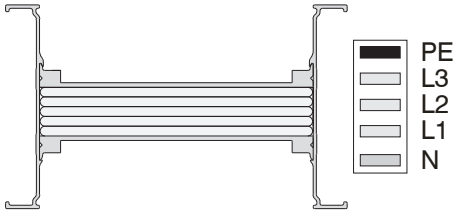
**1-** For plug-in distributed loads, divide voltage drop values by 2.

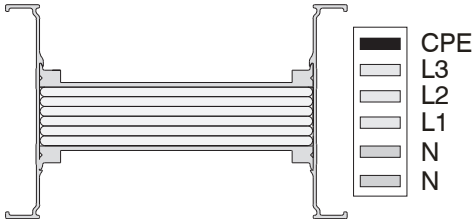
**2-** Actual voltage drop for different lengths and at loadings less than full rated current can be calculated using the formula:

VD (actual) = VD (table) x (actual current / rated current) x (actual length (ft) / 100 feet

**Example:** KXA-III 1000A voltage drop at 800A . length 80 feet;(power factor 0.9)

VD (actual) = 3.317 x (800/1000) x (80/100)=2.122 V



| 1000 | 1300 | 1600 | 2000 | 2500 | 3000 | 3200 | 4000 | 5000 |
|---|---|---|---|---|---|---|---|---|
| 10 | 13 | 17 | 20 | 25 | 30 | 33 | 40 | 50 |
| 65 | 65 | 100 | 100 | 125 | 125 | 200 | 150 | 200 |
| 1.900 | 1.445 | 1.060 | 0.784 | 0.729 | 0.543 | 0.451 | 0.359 | 0.302 |
| 0.466 | 0.359 | 0.316 | 0.216 | 0.189 | 0.125 | 0.176 | 0.156 | 0.143 |
| 1.956 | 1.489 | 1.106 | 0.813 | 0.753 | 0.558 | 0.484 | 0.391 | 0.334 |
| | | | | | | | | |
| 4.864 | 4.023 | 3.170 | 2.621 | 2.225 | 2.063 | 1.981 | 1.829 | 1.615 |
| 2.346 | 2.123 | 1.626 | 1.211 | 0.963 | 0.829 | 0.852 | 0.816 | 0.801 |
| 5.400 | 4.549 | 3.563 | 2.887 | 2.424 | 2.225 | 2.156 | 2.003 | 1.803 |
| | | | | | | | | |
| 0.24x3.7 | 0.24x4.92 | 0.24x6.7 | 0.24x9.1 | 2x0.24x4.92 | 2x0.24x6.7 | 2x0.24x7.9 | 2x0.24x9.8 | 3x0.24x7.9 |
| 0.88 | 1.16 | 1.58 | 2.14 | 2.33 | 3.72 | 3.72 | 4.65 | 5.58 |
| 570 | 750 | 1020 | 1380 | 1500 | 2400 | 2400 | 3000 | 3600 |
| 0.44 | 0.58 | 0.79 | 1.07 | 1.16 | 1.86 | 1.86 | 2.33 | 2.79 |
| 285 | 375 | 510 | 690 | 750 | 1200 | 1200 | 1500 | 1800 |
| 0.88 | 1.16 | 1.58 | 2.14 | 2.33 | 3.72 | 3.72 | 4.65 | 5.58 |
| 570 | 750 | 1020 | 1380 | 1500 | 2400 | 2400 | 3000 | 3600 |
| 3.094 | 3.298 | 3.666 | 4.132 | 6.305 | 6.38 | 7.514 | 8.176 | 11.048 |
| 1996 | 2128 | 2365 | 2666 | 4068 | 4121 | 4848 | 5275 | 7128 |
| 9.0 | 10.2 | 13.9 | 16.8 | 20.8 | 24,53 | 28.8 | 47.0 | 44.8 |
| 13.4 | 15.2 | 20.7 | 25.0 | 31.0 | 36.5 | 42.9 | 70 | 66.8 |
| 10.2 | 11.75 | 15.97 | 19.49 | 23.79 | 28.89 | 33.6 | 54.83 | 52.41 |
| 15.2 | 17.5 | 23.8 | 29.0 | 35.4 | 43 | 50 | 81.6 | 78.0 |
| | | | | | | | | |
| 2.051 | 2.037 | 1.972 | 1.767 | 2.007 | 1.725 | 1.888 | 1.978 | 2.173 |
| 2.051 | 2.037 | 1.972 | 1.767 | 2.007 | 1.975 | 1.888 | 1.978 | 2.173 |
| 2.051 | 2.037 | 1.972 | 1.767 | 2.007 | 2.210 | 1.888 | 1.978 | 2.173 |
| 2.880 | 2.855 | 2.682 | 2.435 | 2.794 | 2.435 | 2.446 | 2.513 | 2.715 |
| 3.117 | 3.088 | 2.875 | 2.622 | 3.016 | 2.646 | 2.585 | 2.638 | 2.835 |
| 3.317 | 3.284 | 3.029 | 2.773 | 3.201 | 2.822 | 2.679 | 2.714 | 2.899 |
| 3.291 | 3.254 | 2.938 | 2.716 | 3.157 | 3.463 | 2.500 | 2.487 | 2.615 |

• To determine voltage drop line-to-neutral. multiply line-to-line values by 0.577.
• For 50 Hz. multiply reactance (X) by 0.83 and resistance values do not change.

**Voltage drop:**

Vd = load current x 1.732(RcosΘ + X sinΘ ) per 100 ft. where cosΘ = Power Factor

• At voltage drop formula above. metric R and X can be used for voltage drop per meter

For metric conversion R, X, Z values (in Ohms per meters) use below formula by using table values

R(table) x 0.0328
X(table) x 0.0328
Z(table) x 0.0328

**Example:** KXA-III 1000A resistance and reactance at 800A, length 80 inch ;
R= 1.900 x 0.0328=0.062 mohm/ feet
X=0.466 x 0.0328=0.015 mohm/ feet
Impedance values are for busway operating at 176 °F (80 °C) temperature.

# E-LINE KX-III

## Technical Characteristics

### Copper Conductor (Cu)

| | | | | | |
|---|---|---|---|---|---|
| **Standards** | UL 857 | | | | |
| **Rated Operational Voltage** | $U_i$ | V | 600 | | |
| **Rated Insulation Voltage** | $U_e$ | Vac | 600 | | |
| **Rated Frequency** | f | Hz | 50-60 | | |
| **Rated Current** | **A** | **630** | **800** | **1000** | **1250** |
| **Busway Code** | | **06** | **08** | **10** | **12** |
| **6 Cycle RMS Symmetrical Short Circuit Rating** | kA | 65 | 65 | 65 | 125 |
| **Resistance** | mΩ/100ft | 2.813 | 2.514 | 1.888 | 1.426 |
| **Reactance at 60Hz** | mΩ/100ft | 0.942 | 0.838 | 0.673 | 0.524 |
| **Impedance at 60Hz** | mΩ/100ft | 2.967 | 2.650 | 2.004 | 1.519 |
| **Ground Characteristic Under Fault Condition** | | | | | |
| **Resistance** | mΩ/100ft | 6.401 | 6.203 | 5.850 | 5.230 |
| **Reactance at 60Hz** | mΩ/100ft | 4.140 | 3.860 | 3.520 | 3.199 |
| **Impedance at 60Hz** | mΩ/100ft | 7.623 | 7.306 | 6.827 | 6.131 |
| **SECTIONS** | | | | | |
| **Conductor Dimensions** | inchxinch | 0.24x1.6 | 0.24x1.8 | 0.24x2.4 | 0.24x3.1 |
| **L1.L2.L3.N** | inch² | 0.37 | 0.42 | 0.56 | 0.74 |
| | mm² | 240 | 270 | 360 | 480 |
| **PE** (4 ½ Conductors) | inch² | 0.19 | 0.21 | 0.28 | 0.37 |
| | mm² | 120 | 135 | 180 | 240 |
| **PE** (5 Conductors) | inch² | 0.37 | 0.42 | 0.56 | 0.74 |
| | mm² | 240 | 270 | 360 | 480 |
| **Aluminium Housing Section** | inch² | 2.613 | 2.775 | 2.799 | 2.936 |
| | mm² | 1686 | 1790 | 1806 | 1894 |
| **Busway Weight** (4 Conductors) | lb/ft | 9.68 | 10.89 | 13.44 | 16.46 |
| | kg/m | 14.4 | 16.2 | 20.0 | 24.5 |
| **Busway Weight** (5 Conductors) | lb/ft | 11.29 | 12.7 | 15.72 | 19.62 |
| | kg/m | 16.8 | 18.9 | 23.4 | 29.2 |
| **VOLTAGE DROP FULL LOAD 60Hz per 100ft** | | | | | |
| **Power Factor = 0.4** | V/100ft | 2.163 | 2.450 | 2.369 | 2.267 |
| **Power Factor = 0.5** | V/100ft | 2.425 | 2.747 | 2.645 | 2.526 |
| **Power Factor = 0.6** | V/100ft | 2.664 | 3.019 | 2.895 | 2.760 |
| **Power Factor = 0.7** | V/100ft | 2.883 | 3.268 | 3.121 | 2.971 |
| **Power Factor = 0.8** | V/100ft | 3.072 | 3.484 | 3.315 | 3.151 |
| **Power Factor = 0.9** | V/100ft | 3.215 | 3.646 | 3.456 | 3.278 |
| **Power Factor = 1.0** | V/100ft | 3.070 | 3.484 | 3.270 | 3.087 |

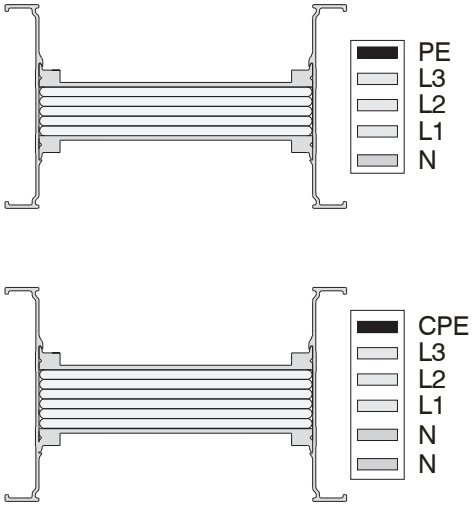
**1-** For plug-in distributed loads. divide voltage drop values by 2.

**2-** Actual voltage drop for different lengths and at loadings less than full rated current can be calculated using the formula:

VD (actual) = VD (table) x (actual current / rated current) x (actual length (ft) / 100 feet

**Example:** KXC-III 1000A voltage drop at 800A . length 80 feet;(power factor 0.9)

VD (actual) = 3.456 x (800/1000) x (80/100)=2.211 V



| 1350 | 1600 | 2000 | 2000 | 2500 | 3200 | 4000 | 5000 | 6000 |
|---|---|---|---|---|---|---|---|---|
| 14 | 16 | 20 | 22 | 26 | 32 | 40 | 50 | 60 |
| 125 | 125 | 125 | 200 | 200 | 200 | 200 | 200 | 200 |
| 1.237 | 0.901 | 0.670 | 0.670 | 0.606 | 0.463 | 0.320 | 0.274 | 0.212 |
| 0.457 | 0.362 | 0.295 | 0.295 | 0.237 | 0.186 | 0.146 | 0.116 | 0.103 |
| 1.319 | 0.971 | 0.732 | 0.732 | 0.651 | 0.499 | 0.352 | 0.298 | 0.236 |
| | | | | | | | | |
| 4.860 | 3.620 | 2.840 | 2.134 | 1.958 | 1.712 | 1.423 | 1.310 | 1.250 |
| 3.010 | 2.650 | 2.160 | 1.402 | 1.206 | 1.105 | 0.860 | 0.648 | 0.579 |
| 5.717 | 4.486 | 3.568 | 2.553 | 2.300 | 2.038 | 1.663 | 1.462 | 1.377 |
| | | | | | | | | |
| 0.24x3.7 | 0.24x5.1 | 0.24x6.7 | 2x0.24x3.1 | 2x0.24x3.7 | 2x0.24x5.1 | 2x0.24x7.1 | 3x0.24x4.1 | 3x0.24x7.1 |
| 0.88 | 1.16 | 1.58 | 1.49 | 1.77 | 2.33 | 3.35 | 3.91 | 5.02 |
| 570 | 750 | 1020 | 960 | 1140 | 1500 | 2160 | 2520 | 3240 |
| 0.44 | 0.58 | 0.79 | 0.74 | 0.88 | 1.16 | 1.67 | 1.95 | 2.51 |
| 285 | 375 | 510 | 480 | 570 | 750 | 1080 | 1260 | 1620 |
| 0.88 | 1.16 | 1.58 | 1.49 | 1.77 | 2.33 | 3.35 | 3.91 | 5.02 |
| 570 | 750 | 1020 | 960 | 1140 | 1500 | 2160 | 2520 | 3240 |
| 3.094 | 3.298 | 3.666 | 5.720 | 5.805 | 6.305 | 7.192 | 9.821 | 10.788 |
| 1996 | 2128 | 2365 | 3690 | 3745 | 4068 | 4640 | 6336 | 6960 |
| 18.61 | 24.33 | 31.25 | 33.73 | 36.82 | 47.78 | 65.79 | 76.60 | 98.44 |
| 27.7 | 36.2 | 46.5 | 50.2 | 54.8 | 71.1 | 97.9 | 114.0 | 146.5 |
| 22.65 | 29.43 | 37.97 | 39.92 | 44.42 | 57.66 | 80.1 | 93.2 | 119.88 |
| 33.7 | 43.8 | 56.5 | 59.4 | 66.1 | 85.8 | 119.2 | 138.7 | 178.4 |
| | | | | | | | | |
| 2.129 | 1.912 | 1.858 | 1.858 | 1.984 | 1.965 | 1.807 | 1.863 | 1.855 |
| 2.372 | 2.117 | 2.045 | 2.045 | 2.201 | 2.176 | 1.984 | 2.056 | 2.029 |
| 2.590 | 2.301 | 2.210 | 2.210 | 2.395 | 2.364 | 2.139 | 2.227 | 2.178 |
| 2.788 | 2.464 | 2.354 | 2.354 | 2.570 | 2.532 | 2.274 | 2.378 | 2.306 |
| 2.955 | 2.599 | 2.470 | 2.470 | 2.715 | 2.672 | 2.381 | 2.501 | 2.405 |
| 3.073 | 2.689 | 2.538 | 2.538 | 2.813 | 2.763 | 2.440 | 2.578 | 2.454 |
| 2.892 | 2.497 | 2.321 | 2.321 | 2.624 | 2.566 | 2.217 | 2.373 | 2.203 |

**Notes**

• To determine voltage drop line-to-neutral. multiply line-to-line values by 0.577.
• For 50 Hz. multiply reactance (X) by 0.83 and resistance values do not change.
**Voltage drop:**
Vd = load current x 1.732(RcosΘ + X sinΘ ) per 100 ft. where cosΘ = Power Factor
• At voltage drop formula above. metric R and X can be used for voltage drop per meter
For metric conversion R. X. Z values (in Ohms per meters) use below formula by using table values
R(table) x 0.0328
X(table) x 0.0328
Z(table) x 0.0328

**Example:** KXC-III 1000A resistance and reactance at 800A, length 80 inch ;
R= 1.888 x 0.0328=0.062 mohm/ inch
X= 0.673 x 0.0328=0.022 mohm/ inch
Impedance values are for busway operating at 176 °F (80 °C) temperature.

# E-LINE KX-III

## Order Code System

BUSWAY TYPE
CONDUCTOR MATERIAL
BUSWAY CODE
PROTECTION DEGREE
CONDUCTOR CONFIGURATION
UTILIZATION TYPE P - Plug-in / B - Bolt-on
COMPONENT

**KX | A-III | 16 | 5 | 07 - B - P11**

### Busway Type

### CONDUCTOR MATERIAL

| | | |
|---|---|---|
| Aluminium | (Al) | A-III |
| Copper | (Cu) | C-III |

### BUSWAY CODE

| KXA-III Al Conductor | | KXC-III Cu Conductor | | Conductor Size | |
|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) |
| 400 | 04 | - | - | 0.24x1.18 | 6x30 |
| 550 | 05 | 630 | 06 | 0.24x1.57 | 6x40 |
| - | - | 800 | 08 | 0.24x1.77 | 6x45 |
| 630 | 06 | - | - | 0.24x2.17 | 6x55 |
| - | - | 1000 | 10 | 0.24x2.36 | 6x60 |
| 800 | 08 | 1250 | 12 | 0.24x3.15 | 6x80 |
| 1000 | 10 | 1350 | 14 | 0.24x3.74 | 6x95 |
| 1300 | 13 | 1600 | 16 | 0.24x4.92 | 6x125 |
| 1600 | 17 | 2000 | 20 | 0.24x6.69 | 6x170 |
| 2000 | 20 | - | - | 0.24x9.06 | 6x230 |
| - | - | 2000 | 22 | 2(0.24x3.15) | 2(6x80) |
| - | - | 2500 | 26 | 2(0.24x3.74) | 2(6x95) |
| 2500 | 25 | 3200 | 32 | 2(0.24x4.92) | 2(6x125) |
| 3000 | 30 | - | - | 2(0.24x6.69) | 2(6x170) |
| - | - | 4000 | 40 | 2(0.24x7.09) | 2(6x180) |
| 3200 | 33 | - | - | 2(0.24x7.87) | 2(6x200) |
| 4000 | 40 | - | - | 2(0.24x9.84) | 2(6x250) |
| - | - | 5000 | 50 | 3(0.24x5.51) | 3(6x140) |
| - | - | 6000 | 60 | 3(0.24x7.09) | 3(6x180) |
| 5000 | 50 | - | - | 3(0.24x7.87) | 3(6x200) |

### PROTECTION DEGREE

| | |
|---|---|
| IP55 / IP65* | 5 |

*Please call us for IP65 orders."Only indoor applications"

| Number of Conductors | Code | Conductor Configuration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | L1 | L2 | L3 | N1 | N2 | PE | ½ PE | CPE | PE (Housing) |
| 3 Conductors | 03 | ✓ | ✓ | ✓ | | | | | | ✓ |
| 4 Conductors | 04 | ✓ | ✓ | ✓ | ✓ | | | | | ✓ |
| 4 ½ Conductors | 07 | ✓ | ✓ | ✓ | ✓ | | | ✓ | | ✓ |
| 5 Conductors | 05 | ✓ | ✓ | ✓ | ✓ | | ✓ | | | ✓ |
| 5 Conductors | 09 | ✓ | ✓ | ✓ | ✓ | | | | ✓ | ✓ |
| 6 Conductors | 06 | ✓ | ✓ | ✓ | ✓ | ✓ | | | ✓ | ✓ |

| | |
|---|---|
| ***TYPE** | Utilization Type |
| **(B) Bolt-on** | Energy is supplied from the joints. |
| **(SP) Small Plug-in** | Energy is supplied from the joints and the plug-in points. |

### COMPONENTS

| | |
|---|---|
| Standard Length | STD |
| Special Length | X |
| Upwards Elbow | U |
| Downwards Elbow | D |
| Right Elbow | R |
| Left Elbow | L |
| Left Horizontal Offset | LH |
| Right Horizontal Offset | RH |
| Upwards Vertical Offset | UV |
| Downwards Vertical Offset | DV |
| Upwards Left Combined Offset | KUL |
| Upwards Right Combined Offset | KUR |
| Downwards Left Combined Offset | KDL |
| Downwards Right Combined Offset | KDR |
| Left Upwards Combined Offset | KLU |
| Right Upwards Combined Offset | KRU |
| Left Downwards Combined Offset | KLD |
| Right Downwards Combined Offset | KRD |
| End Closer | S |
| Reduction | RD |
| Left Side Feeder "T" | TYL |
| Right Side Feeder "T" | TYR |
| Central Feeder "T" | TO |
| Horizontal Expansion | YDT |
| Vertical Expansion | DDT |
| Phase Transposition Module | FDM |
| Panel Connection | P10 |
| Panel Connection | P11 |
| Upwards Panel Connection | PU20 |
| Upwards Panel Connection | PU21 |
| Downwards Panel Connection | PD20 |
| Downwards Panel Connection | PD21 |
| Right Panel Connection | PR30 |
| Right Panel Connection | PR31 |
| Left Panel Connection | PL30 |
| Left Panel Connection | PL31 |
| Panel Connection | P40 |
| Panel Connection | P41 |
| Feeder Box | B10 |
| Feeder Box | B11 |
| Central Feeder Box | BO |
| Flexible | F |

# E-LINE KX-III

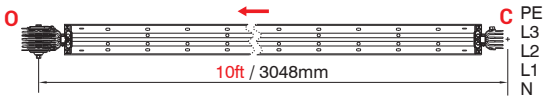
## Standard Straight Length

### Bolt-on Standard Straight Length Busway -STD

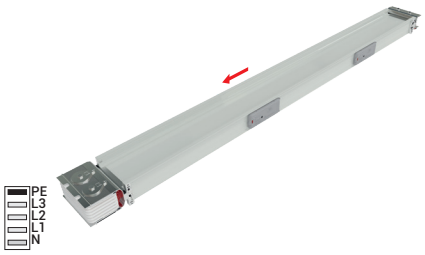

Sample Order:

**KXA-III 25507-FB-STD**
2500 A, Aluminium, Feeder,
IP 55, 4 1/2 conductors
Length = 10 ft / 3048mm

Applications:
• As feeder or sub-feeder line

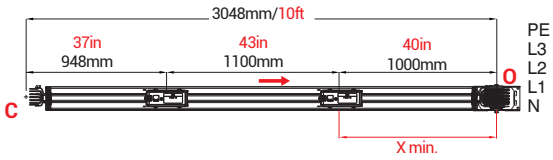



### Plug-in Standard Straight Length Busway -STD




Sample Order:

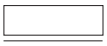
**KXC-III 12507-SP-STD**
1250 A, Copper, S-Plug.
IP 55, 4 1/2 conductors



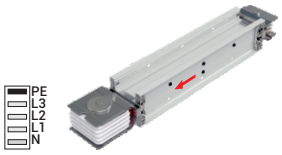

Note:
Xmin must be min. 317mm (12.48in)

Note:
There are two plug-in tapoff points on a 10 ft standard lengths. The plug-in tapoff points are both sides of the busway. Should you require additional plug-in tap off point please contact EAE .

### Special Straight Length -X

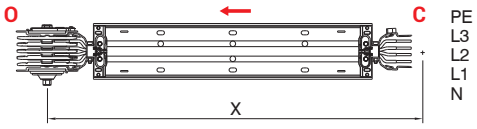


Special Straight Length in (mm)/(in)



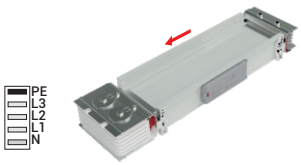

Sample Order:

**KXC-III 25507-FB-X-1470**
2500 A, Copper, Feeder,
IP 55, 4 1/2 conductors. Special Length =57.87in / 1470 mm



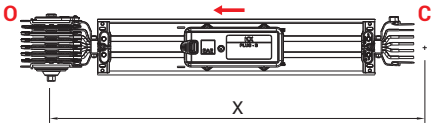

Note:
Feeder Minimum Length = 13.78in / 350mm
Plug-in Minimum Length = 39.37in / 1000mm

### Plug-in Straight Length -X




Sample Order:

**KXC-III 25507-SB-X-1470**
2500 A, Copper, S-Plug.
IP 55, 4 1/2 conductors. Special Length = /57.87in / 1470 mm



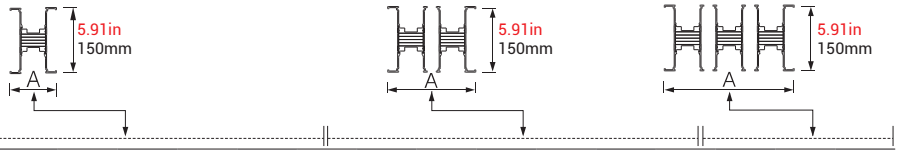




**Table For Outer Dimension of Busways**

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KXA-III Al Conductors | Rated Current (A) | 400 | 550 | - | 630 | - | 800 | 1000 | 1300 | 1600 | 2000 | - | - | 2500 | 3000 | - | 3200 | 4000 | - | - | 5000 |
| | Busway Code | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| KXC-III Cu Conductors | Rated Current (A) | - | 630 | 800 | - | 1000 | 1250 | 1350 | 1600 | 2000 | - | 2000 | 2500 | 3200 | - | 4000 | - | - | 5000 | 6000 | - |
| | Busway Code | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| A | (inch) | 3.25 | 3.58 | 3.78 | 4.17 | 4.37 | 5.16 | 5.75 | 6.93 | 8.70 | 11.06 | 9.92 | 11.10 | 13.46 | 17 | 17.80 | 19.37 | 23.31 | 21.73 | 26.46 | 28.82 |
| | (mm) | 82.5 | 91 | 96 | 106 | 111 | 131 | 146 | 176 | 221 | 281 | 252 | 282 | 342 | 432 | 452 | 492 | 592 | 552 | 672 | 732 |

**Important Notice for the Tap-off box use;**
• KXA-III 400A, 550A, 630A, KXC-III 630A and 800A busway range may have plug-in windows at one side only.
It is highly recommended to consider these points in your project designs.

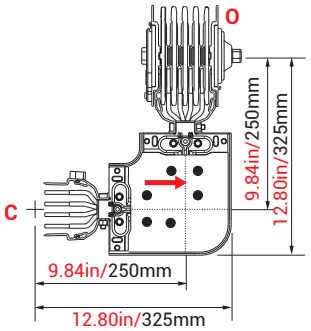
# E-LINE KX-III

## Elbow

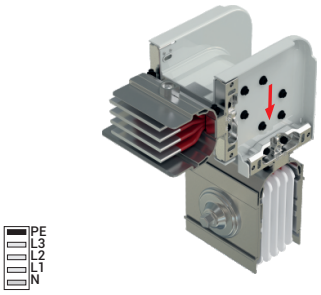
### Upwards Elbow -U


Sample Order:

**KXC-III 32507-B-U**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

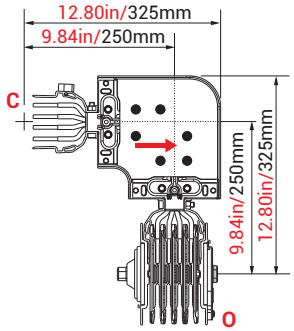



### Downwards Elbow -D

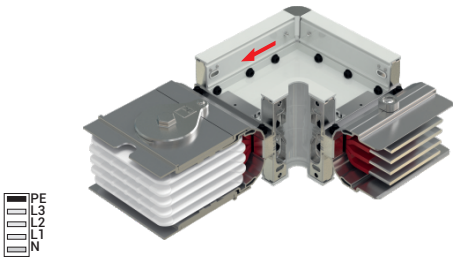



Sample Order:

**KXC-III 32507-B-D**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

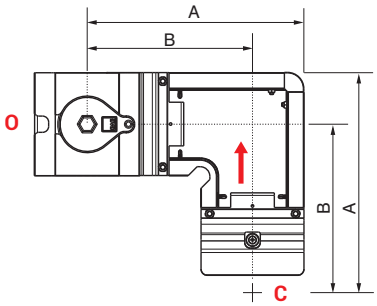



### Left Elbow -L

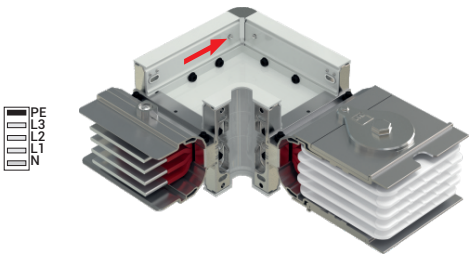



Sample Order:

**KXC-III 20507-B-L**
2000 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

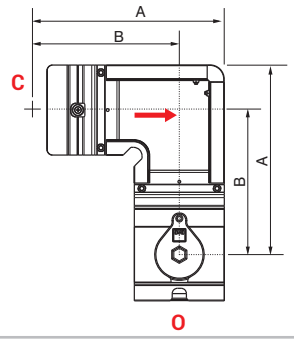



### Right Elbow -R




Sample Order:

**KXA-III 20507-B-R**
2000 A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors



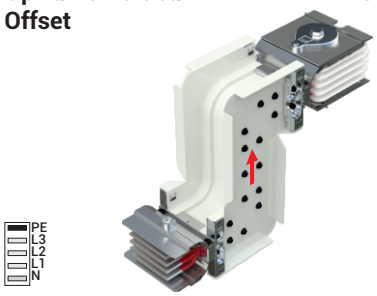

- Special left or right elbows between 90° and 180° can be manufactured upon request.
- The dimensions given above are minimum values.
- Please call us for non-standard components.

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KXA-III Al Conductors | Rated Current (A) | 400 | 550 | - | 630 | - | 800 | 1000 | 1300 | 1600 | 2000 | - | - | 2500 | 3000 | - | 3200 | 4000 | - | - | 5000 |
| | Busway Code | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| KXC-III Cu Conductors | Rated Current (A) | - | 630 | 800 | - | 1000 | 1250 | 1350 | 1600 | 2000 | - | 2000 | 2500 | 3200 | - | 4000 | - | - | 5000 | 6000 | - |
| | Busway Code | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| A | (inch) | 10.12 | 10.51 | 10.71 | 11.10 | 11.30 | 12.08 | 12.68 | 13.86 | 15.63 | 17.99 | 16.81 | 17.99 | 20.35 | 23.89 | 24.69 | 26.26 | 30.20 | 28.62 | 33.35 | 35.71 |
| | (mm) | 257 | 267 | 272 | 282 | 287 | 307 | 322 | 352 | 397 | 457 | 427 | 457 | 517 | 607 | 627 | 667 | 767 | 727 | 847 | 907 |
| B | (inch) | 8.54 | 8.74 | 8.82 | 9.02 | 9.13 | 9.49 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | (mm) | 217 | 222 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |

# E-LINE KX-III

## Elbow

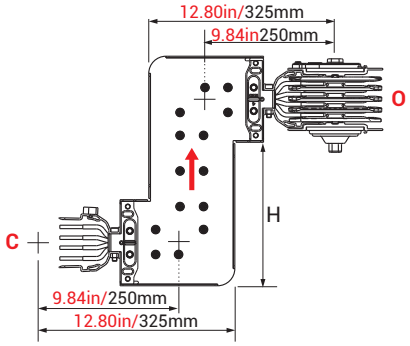
### Upwards Vertical Offset -UV



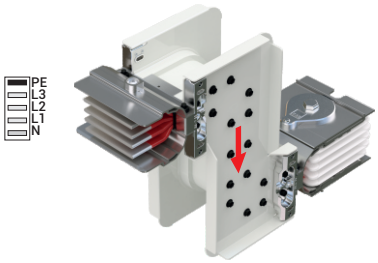

Sample Order:

**KXA-III 20505-B-UV**
2000 A, Aluminium, Bolt-on,
IP 55, 5 conductors

Note:
H=Offset(*)=min:9.84in/250mm
max:19.29in/490mm



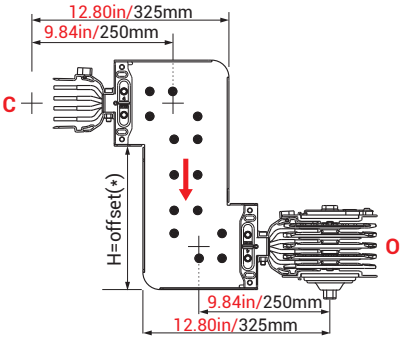

### Downwards Vertical Offset -DV



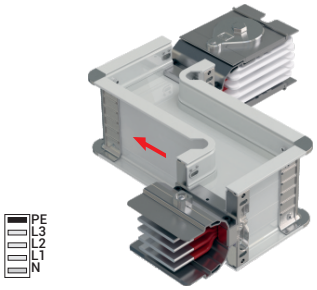

Sample Order:

**KXA-III 20505-B-DV**
2000 A, Aluminium, Bolt-on,
IP 55, 5 conductors

Note:
H=Offset(*)=min:9.84in/250mm
max:19.29in/490mm



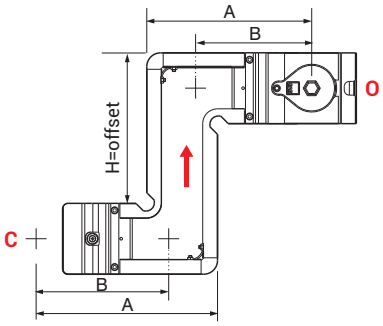

### Left Horizontal Offset -LH



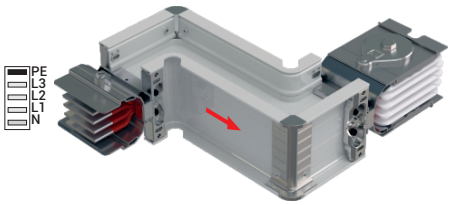

Sample Order:

**KXC-III 32507-B-LH**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min:11.02in/280mm
max: *Please see table.
Used.if two horizontal elbows
can not fit.

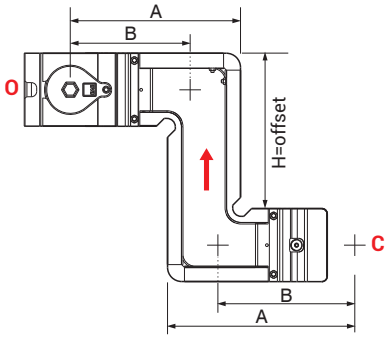



### Right Horizontal Offset -RH




Sample Order:

**KXC-III 32507-B-RH**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors




- Special left or right elbows between 90° and 180° can be manufactured upon request.
- The dimensions given above are minimum values.
- Please call us for non-standard components.

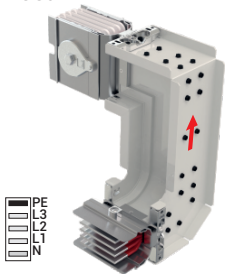
| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KXA-III Al Conductors | Rated Current (A) | 400 | 550 | - | 630 | - | 800 | 1000 | 1300 | 1600 | 2000 | - | - | 2500 | 3000 | - | 3200 | 4000 | - | - | 5000 |
| | Busway Code | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| KXC-III Cu Conductors | Rated Current (A) | - | 630 | 800 | - | 1000 | 1250 | 1350 | 1600 | 2000 | - | 2000 | 2500 | 3200 | - | 4000 | - | - | 5000 | 6000 | - |
| | Busway Code | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| A | (inch) | 10.12 | 10.51 | 10.71 | 11.10 | 11.30 | 12.08 | 12.68 | 13.86 | 15.63 | 17.99 | 16.81 | 17.99 | 20.35 | 23.89 | 24.69 | 26.26 | 30.20 | 28.62 | 33.35 | 35.71 |
| | (mm) | 257 | 267 | 272 | 282 | 287 | 307 | 322 | 352 | 397 | 457 | 427 | 457 | 517 | 607 | 627 | 667 | 767 | 727 | 847 | 907 |
| B | (inch) | 8.54 | 8.74 | 8.82 | 9.02 | 9.13 | 9.49 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | (mm) | 217 | 222 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |
| $H=Offset_{max}$ | (inch) | 17.00 | 17.40 | 17.60 | 17.99 | 18.19 | 18.98 | 19.57 | 20.75 | 22.52 | 24.88 | 23.70 | 24.88 | 27.24 | 30.78 | 31.57 | 33.15 | 37.48 | 41.42 | 46.14 | 48.50 |
| | (mm) | 432 | 442 | 447 | 457 | 462 | 482 | 497 | 527 | 572 | 632 | 602 | 632 | 692 | 782 | 802 | 842 | 952 | 1052 | 1172 | 1232 |

# E-LINE KX-III

## Elbow

### Upwards Left Combined Offset

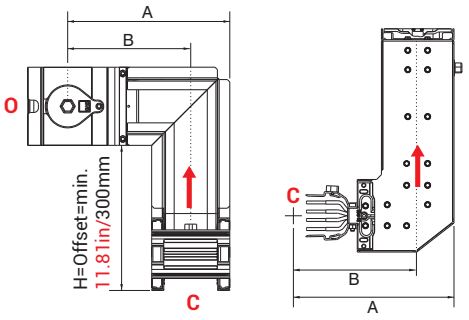
**-K U L**




Sample Order:

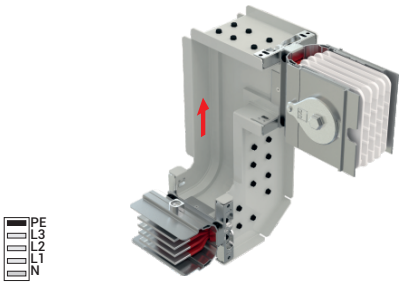
**KXC-III 32507-B-KUL**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min. 11.81in/300mm




### Upwards Right Combined Offset

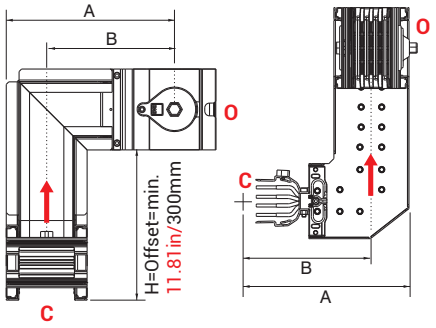
**-K U R**




Sample Order:

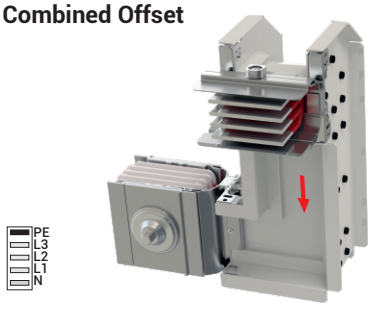
**KXA-III 33507-B-KUR**
3200 A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min. 11.81in/300mm




### Downwards Left Combined Offset

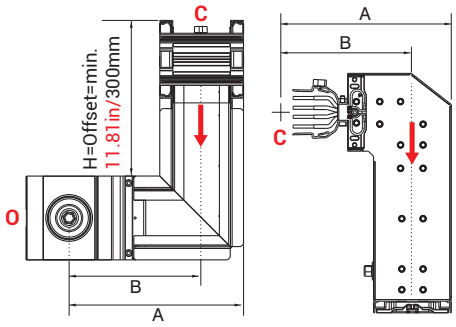
**-K D L**




Sample Order:

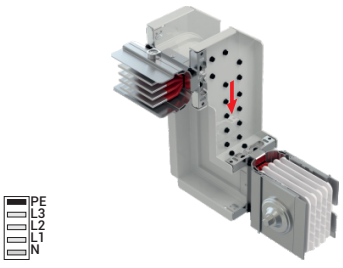
**KXC-III 32507-B-KDL**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min. 11.81in/300mm




### Downwards Right Combined Offset

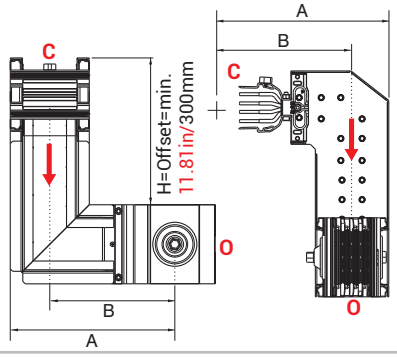
**-K D R**




Sample Order:

**KXA-III 33507-B-KDR**
3200 A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min. 11.81in/300mm




- Special left or right elbows between 90° and 180° can be manufactured upon request.
- The dimensions given above are minimum values.

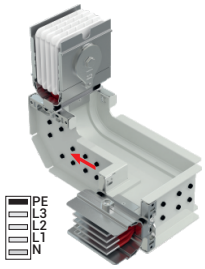
| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KXA-III Al Conductors | Rated Current (A) | 400 | 550 | - | 630 | - | 800 | 1000 | 1300 | 1600 | 2000 | - | - | 2500 | 3000 | - | 3200 | 4000 | - | - | 5000 |
| | Busway Code | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| KXC-III Cu Conductors | Rated Current (A) | - | 630 | 800 | - | 1000 | 1250 | 1350 | 1600 | 2000 | - | 2000 | 2500 | 3200 | - | 4000 | - | - | 5000 | 6000 | - |
| | Busway Code | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| A | (inch) | 10.12 | 10.51 | 10.71 | 11.10 | 11.30 | 12.08 | 12.68 | 13.86 | 15.63 | 17.99 | 16.81 | 17.99 | 20.35 | 23.89 | 24.69 | 26.26 | 30.20 | 28.62 | 33.35 | 35.71 |
| | (mm) | 257 | 267 | 272 | 282 | 287 | 307 | 322 | 352 | 397 | 457 | 427 | 457 | 517 | 607 | 627 | 667 | 767 | 727 | 847 | 907 |
| B | (inch) | 8.54 | 8.74 | 8.82 | 9.02 | 9.13 | 9.49 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | (mm) | 217 | 222 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |
| $H=Offset_{max}$ | (inch) | 17.00 | 17.40 | 17.60 | 17.99 | 18.19 | 18.98 | 19.57 | 20.75 | 22.52 | 24.88 | 23.70 | 24.88 | 27.24 | 30.78 | 31.57 | 33.15 | 37.48 | 41.42 | 46.14 | 48.50 |
| | (mm) | 432 | 442 | 447 | 457 | 462 | 482 | 497 | 527 | 572 | 632 | 602 | 632 | 692 | 782 | 802 | 842 | 952 | 1052 | 1172 | 1232 |

# E-LINE KX-III

## Elbow

### Left Upwards Combined Offset

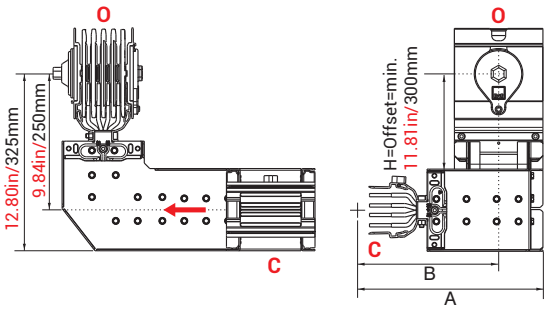
**-K L U**




Sample Order:

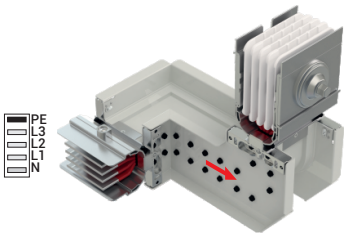
**KXA-III 33507-B-KLU**
3200 A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min. 11.81in/300mm




### Right Upwards Combined Offset

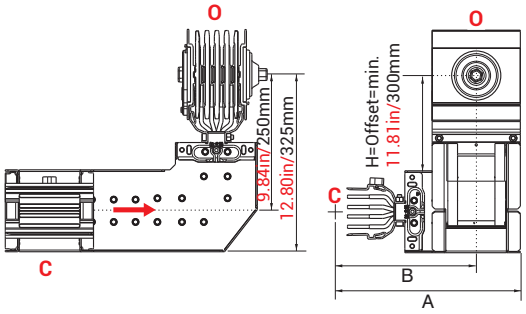
**-K R U**




Sample Order:

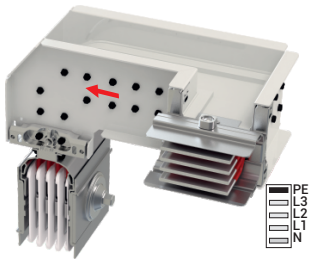
**KXC-III 32505-B-KRU**
3300 A, Aluminium, Bolt-on,
IP 55, 5 conductors

Note:
H=Offset=min. 11.81in/300mm




### Left Downwards Combined Offset

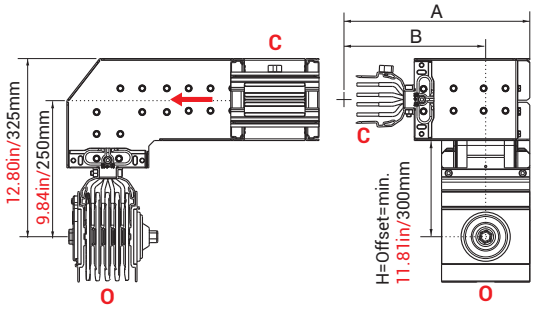
**-K L D**




Sample Order:

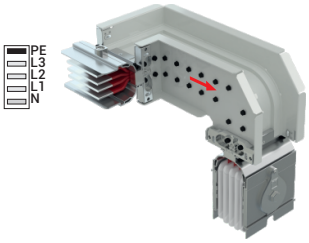
**KXA-III 33505-B-KLD**
3200 A, Aluminium, Bolt-on,
IP 55, 5 conductors

Note:
H=Offset=min. 11.81in/300mm




### Right Downwards Combined Offset

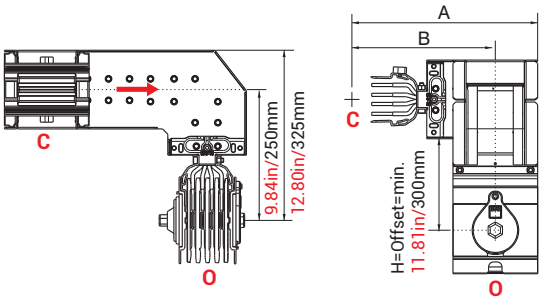
**-K R D**




Sample Order:

**KXC-III 32507-B-KRD**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

Note:
H=Offset=min. 11.81in/300mm




- Special left or right elbows between 90° and 180° can be manufactured upon request.
- The dimensions given above are minimum values.

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KXA-III Al Conductors | Rated Current (A) | 400 | 550 | - | 630 | - | 800 | 1000 | 1300 | 1600 | 2000 | - | - | 2500 | 3000 | - | 3200 | 4000 | - | - | 5000 |
| | Busway Code | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| KXC-III Cu Conductors | Rated Current (A) | - | 630 | 800 | - | 1000 | 1250 | 1350 | 1600 | 2000 | - | 2000 | 2500 | 3200 | - | 4000 | - | - | 5000 | 6000 | - |
| | Busway Code | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| A | (inch) | 10.12 | 10.51 | 10.71 | 11.10 | 11.30 | 12.08 | 12.68 | 13.86 | 15.63 | 17.99 | 16.81 | 17.99 | 20.35 | 23.89 | 24.69 | 26.26 | 30.20 | 28.62 | 33.35 | 35.71 |
| | (mm) | 257 | 267 | 272 | 282 | 287 | 307 | 322 | 352 | 397 | 457 | 427 | 457 | 517 | 607 | 627 | 667 | 767 | 727 | 847 | 907 |
| B | (inch) | 8.54 | 8.74 | 8.82 | 9.02 | 9.13 | 9.49 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | (mm) | 217 | 222 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |
| $H=Offset_{max}$ | (inch) | 17.00 | 17.40 | 17.60 | 17.99 | 18.19 | 18.98 | 19.57 | 20.75 | 22.52 | 24.88 | 23.70 | 24.88 | 27.24 | 30.78 | 31.57 | 33.15 | 37.48 | 41.42 | 46.14 | 48.50 |
| | (mm) | 432 | 442 | 447 | 457 | 462 | 482 | 497 | 527 | 572 | 632 | 602 | 632 | 692 | 782 | 802 | 842 | 952 | 1052 | 1172 | 1232 |

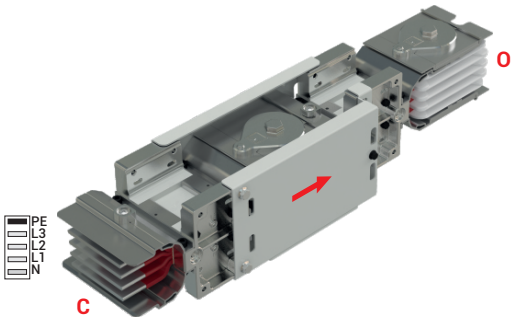
# E-LINE KX-III

## Standard Components

### Reduction

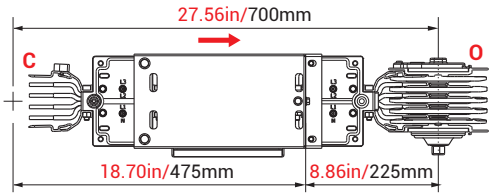
-RD

Reduced
Busway Current




Sample Order:

**KXA-III 20507-B-RD17**
2000A / 1600A, Aluminium,
Bolt-on, IP 55, 4 1/2 conductors




Is used to change the busway cross section.

Note:
Decisions and selection of reduction module and protection on lower side is under the customer's responsibility.

### Reducers Table

**KXA-III Al conductors**

| Rated Current | Reduced Busway Current | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 400 | 550 | 630 | 800 | 1000 | 1300 | 1600 | 2000 | 2500 | 3000 | 3200 | 4000 |
| 550 | ✓ | - | - | - | - | - | - | - | - | - | - | - |
| 630 | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - |
| 800 | - | ✓ | ✓ | - | - | - | - | - | - | - | - | - |
| 1000 | - | - | ✓ | ✓ | - | - | - | - | - | - | - | - |
| 1300 | - | - | - | ✓ | ✓ | - | - | - | - | - | - | - |
| 1600 | - | - | - | - | ✓ | ✓ | - | - | - | - | - | - |
| 2000 | - | - | - | - | - | ✓ | ✓ | - | - | - | - | - |
| 2500 | - | - | - | - | - | - | ✓ | ✓ | - | - | - | - |
| 3000 | - | - | - | - | - | - | - | ✓ | ✓ | - | - | - |
| 3200 | - | - | - | - | - | - | - | - | ✓ | ✓ | - | - |
| 4000 | - | - | - | - | - | - | - | - | - | ✓ | ✓ | - |
| 5000 | - | - | - | - | - | - | - | - | - | - | ✓ | ✓ |

1 ↓ 2 →

**KXC-III Cu conductors**

| Rated Current | Reduced Busway Current | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 630 | 800 | 1000 | 1250 | 1350 | 1600 | 2000 | 2000 | 2500 | 3200 | 4000 | 5000 |
| 800 | ✓ | - | - | - | - | - | - | - | - | - | - | |
| 1000 | ✓ | ✓ | - | - | - | - | - | - | - | - | - | |
| 1250 | - | ✓ | ✓ | - | - | - | - | - | - | - | - | |
| 1350 | - | - | ✓ | ✓ | - | - | - | - | - | - | - | |
| 1600 | - | - | - | ✓ | ✓ | - | - | - | - | - | - | |
| 2000 | - | - | - | - | ✓ | ✓ | - | - | - | - | - | |
| 2000 | - | - | - | - | - | ✓ | - | - | - | - | - | |
| 2500 | - | - | - | - | - | - | ✓ | ✓ | - | - | - | |
| 3200 | - | - | - | - | - | - | - | ✓ | ✓ | - | - | |
| 4000 | - | - | - | - | - | - | - | - | ✓ | ✓ | - | |
| 5000 | - | - | - | - | - | - | - | - | - | ✓ | ✓ | |
| 6000 | | | | | | | | | | | | |

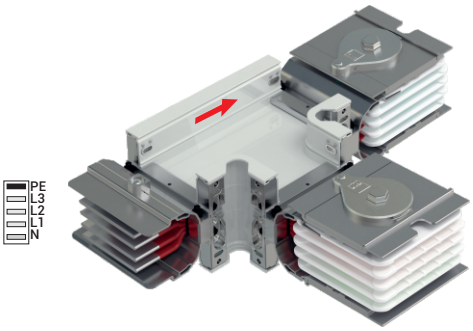
1 ↓ 2 →

■ See table below for ratings and busway codes. ■ The dimensions given above are minimum values. ■ Please call us for non-standard components.

# E-LINE KX-III

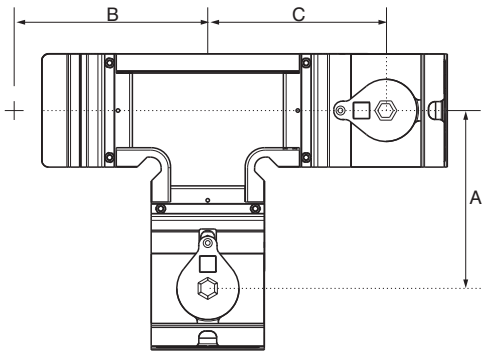
## Standart Modules

### Right Side Feeder "T" -T Y R

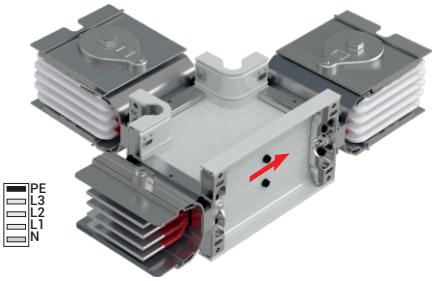



Sample Order:

**KXC-III 25507-B-TYR**
2500 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

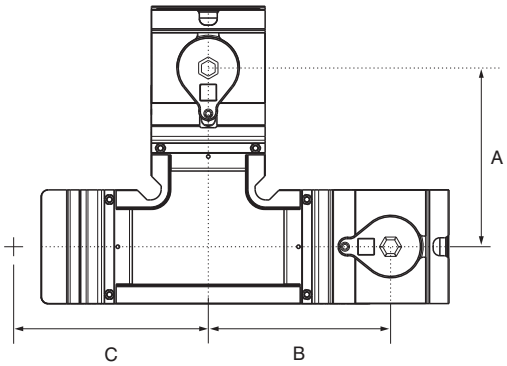



### Left Side Feeder "T" -T Y L

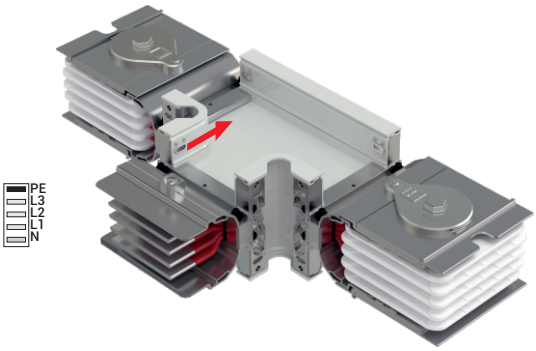



Sample Order:

**KXA-III 25507-B-TYL**
2500 A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors

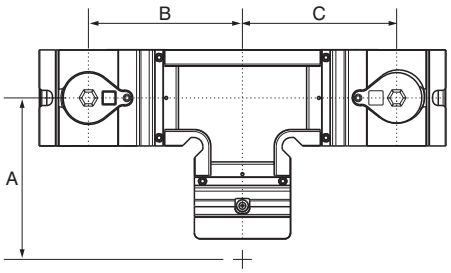



### Central Feeder "T" -T O




Sample Order:

**KXC-III 32507-B-TO**
3300 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors




- The dimensions given above are minimum values.
- Please call us for non-standard components.

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **KXA-III Al Conductors** | **Rated Current (A)** | **400** | **550** | - | **630** | - | **800** | **1000** | **1300** | **1600** | **2000** | - | - | **2500** | **3000** | - | **3200** | **4000** | - | - | **5000** |
| | **Busway Code** | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| **KXC-III Cu Conductors** | **Rated Current (A)** | - | **630** | **800** | - | **1000** | **1250** | **1350** | **1600** | **2000** | - | **2000** | **2500** | **3200** | - | **4000** | - | - | **5000** | **6000** | - |
| | **Busway Code** | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| **A** | **(inch)** | 8.50 | 8.70 | 8.82 | 9.02 | 9.13 | 9.49 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | **(mm)** | 216 | 221 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |
| **B** | **(inch)** | 8.50 | 8.70 | 8.82 | 9.02 | 9.13 | 9.49 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | **(mm)** | 216 | 221 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |
| **C** | **(inch)** | 8.50 | 8.70 | 8.82 | 9.02 | 9.13 | 18.98 | 9.80 | 10.39 | 11.26 | 12.44 | 11.85 | 12.44 | 13.62 | 15.39 | 15.79 | 16.57 | 18.54 | 17.76 | 20.12 | 21.30 |
| | **(mm)** | 216 | 221 | 224 | 229 | 232 | 241 | 249 | 264 | 286 | 316 | 301 | 316 | 346 | 391 | 401 | 421 | 471 | 451 | 511 | 541 |

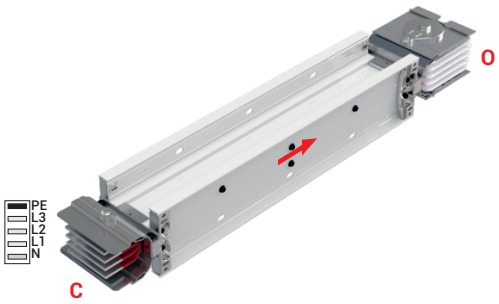
# E-LINE KX-III

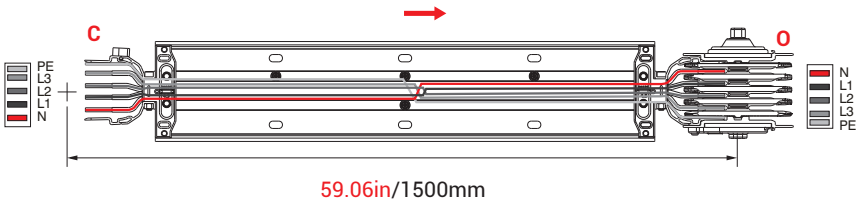
## Standart Modules

**Phase Transposition Module** **- F D M**

Sample Order:

**KXA-III 25507-B-FDM**
2500A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors

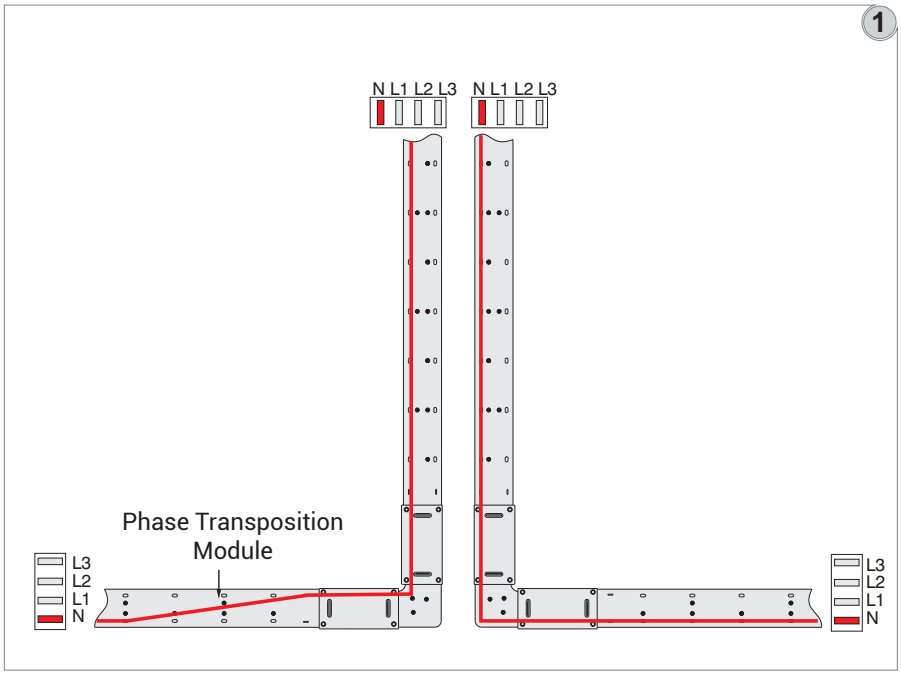



They used for transposition of phase sequence.

**FDM Dimension Table**


| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| KXA-III Al Conductors | Rated Current (A) | 400 | 550 | - | 630 | - | 800 | 1000 | 1300 | 1600 | 2000 | - | - | 2500 | 3000 | - | 3200 | 4000 | - | - | 5000 |
| | Busway Code | 04 | 05 | - | 06 | - | 08 | 10 | 13 | 17 | 20 | - | - | 25 | 30 | - | 33 | 40 | - | - | 50 |
| KXC-III Cu Conductors | Rated Current (A) | - | 630 | 800 | - | 1000 | 1250 | 1350 | 1600 | 2000 | - | 2000 | 2500 | 3200 | - | 4000 | - | - | 5000 | 6000 | - |
| | Busway Code | - | 06 | 08 | - | 10 | 12 | 14 | 16 | 20 | - | 22 | 26 | 32 | - | 40 | - | - | 50 | 60 | - |
| A | (inch) | 3.25 | 3.58 | 3.78 | 4.17 | 4.37 | 5.16 | 5.75 | 6.93 | 8.70 | 11.06 | 9.92 | 11.10 | 13.46 | 17.00 | 17.80 | 19.37 | 23.31 | 21.73 | 26.46 | 28.82 |
| | (mm) | 82.5 | 91 | 96 | 106 | 111 | 131 | 146 | 176 | 221 | 281 | 252 | 282 | 342 | 432 | 452 | 492 | 592 | 552 | 672 | 732 |




1- The neutral bar of KX busway shall be at the bottom for horizontal busway lines and on the left for vertical busway lines.(Figure 1)

2- In order to maintain the neutral bar at the bottom and in the vertical busway on the left, it is required to use the phase transposition module. (Figure 1)

■Please call us for non-standard components.

■The dimensions given above are minimum values.

# E-LINE KX-III

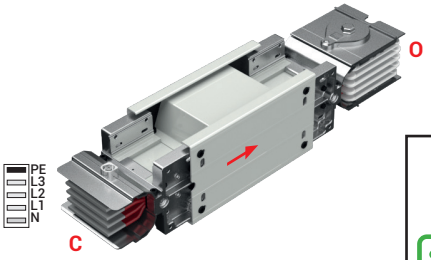
## Expansions

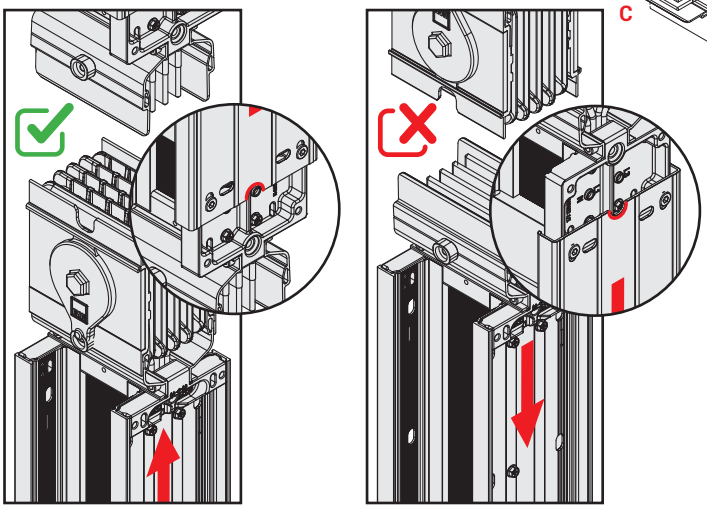
### Vertical Expansion -D D T

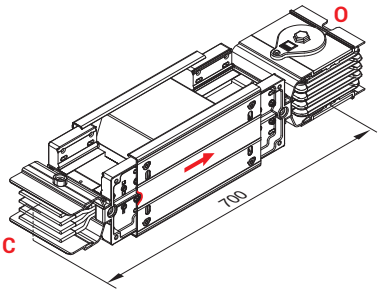
Sample Order:

**KXC-III 20507-B-DDT**
2000A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

One vertical expansion unit is advised to be used at every floor between fixed support points. Used for vertical applications in multi storey buildings.



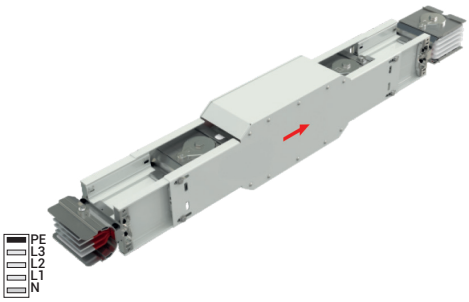





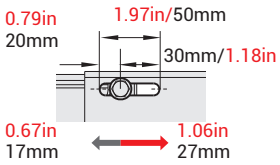

### Horizontal Expansion -Y D T

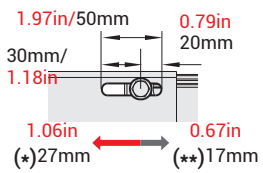
Sample Order:

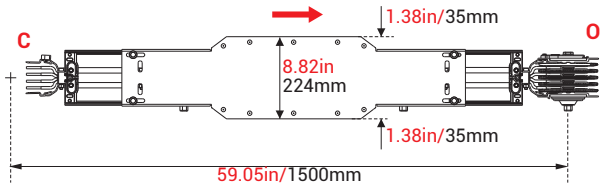
**KXA-III 25507-B-YDT**
2500A, Aluminium, Bolt-on,
IP 55, 4 1/2 conductors




**Attention!**
The total length of the module should be adjusted to **59.05in/1500mm.** after installation. Used at every 131ft/40m in long horizontal straight lines and building expansion points.




**Note:**

**1)** Horizontal expansion joint should be utilised if busway line is crossing to adjacent through building expansion joints.

**2)** This module is used on the long busway line (>246ft/>75m) where line is ended by end closure and is not fixed on the support rigidly.

**3)** The horizontal expansion joint capacity is **(*)**2.12in/54mm for **the internal** movement span.
The horizontal expansion joint capacity is **(**)**1.34in/34mm for **the external** movement span.

EAE requests to be consulted during design stage.

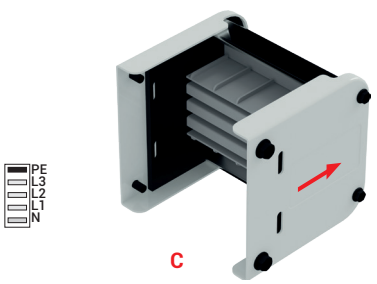
■Please call us for non-standard components.

■The dimensions given above are minimum values.

# E-LINE KX-III

## End Closers

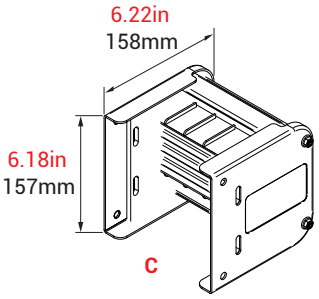
### End Closer - S




Sample Order:

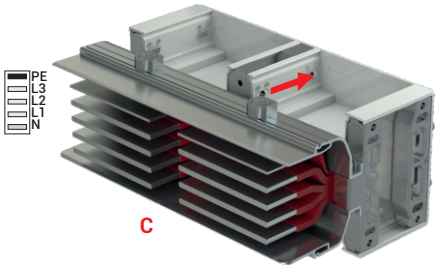
**KX-III 205A/255C-B-S**
2000 A, Aluminium, 2500 A, Copper
Bolt-on, IP 55, 4.5/5/6 conductors

**End Closer**
Is used to close the end of busway run.




| KXA-III Al Conductors | | KXC-III Cu Conductors | | | |
|---|---|---|---|---|---|
| Rated Current (A) | Busway Code | Rated Current (A) | Busway Code | Dimension | Order Code |
| 400 | 04 | - | - | 6x30 | 3066131 |
| 550 | 05 | 630 | 06 | 6x40 | 3016698 |
| - | - | 800 | 08 | 6x45 | 3141273 |
| 630 | 06 | - | - | 6x55 | 3016699 |
| - | - | 1000 | 10 | 6x60 | 3142393 |
| 800 | 08 | 1250 | 12 | 6x80 | 3016701 |
| 1000 | 10 | 1350 | 14 | 6x95 | 3085740 |
| 1300 | 13 | 1600 | 16 | 6x125 | 3016703 |
| 1600 | 17 | 2000 | 20 | 6x170 | 3142394 |
| 2000 | 20 | - | - | 6x230 | 3135702 |
| - | - | 2000 | 22 | 2(6x80) | 3016708 |
| - | - | 2500 | 26 | 2(6x95) | 3135702 |
| 2500 | 25 | 3200 | 32 | 2(6x125) | 3016711 |
| 3000 | 30 | - | - | 2(6x170) | 3142439 |
| - | - | 4000 | 40 | 2(6x180) | 3188181 |
| 3200 | 33 | - | - | 2(6x200) | 3113536 |
| 4000 | 40 | - | - | 2(6x250) | 3127359 |
| - | - | 5000 | 50 | 3(6x140) | 3256719 |
| - | - | 6000 | 60 | 3(6x180) | 3256720 |
| 5000 | 50 | - | - | 3(6x200) | 3113537 |

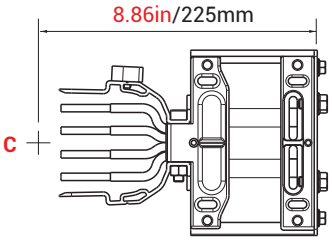
### End Closer - S10



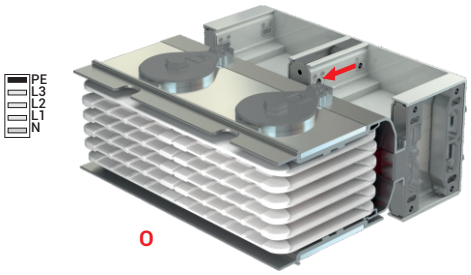

Sample Order:

**KXC-III 63506-B-S10**
6300 A, Copper, Bolt-on,
IP 55, 6 conductors

**Note:** S10 or S11 modules should be used as end closer for the busways with 08. 06 codes and for all IP55 products.



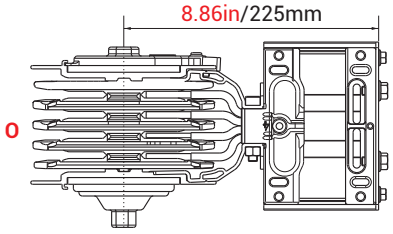

### End Closer - S11




Sample Order:

**KXA-III 50506-B-S11**
5000 A, Aluminium, Bolt-on,
IP 55, 6 conductors

**Note:** S10 or S11 modules should be used as end closer for the busways with 08. 06 codes and for all IP55 products.



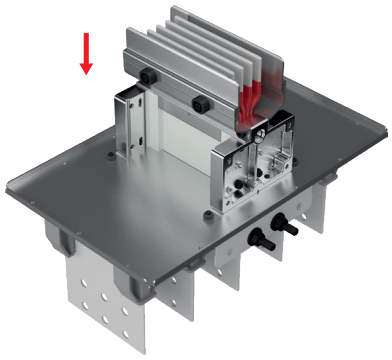

■Please call us for non-standard components.

■The dimensions given above are minimum values.

# E-LINE KX-III

## Panel Connections

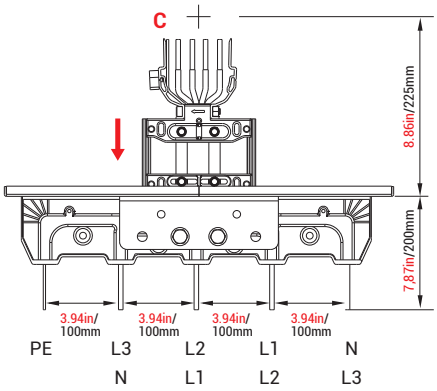
**Panel Connection** **- P 1 0**
Panel Feeder



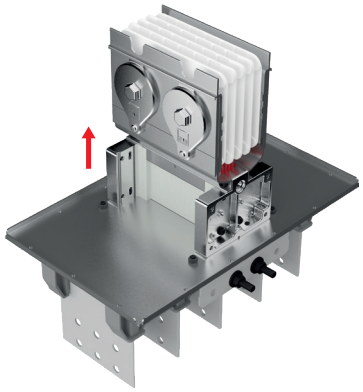
Sample Order:

**KXC-III 25507-B-P10**
2500 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder



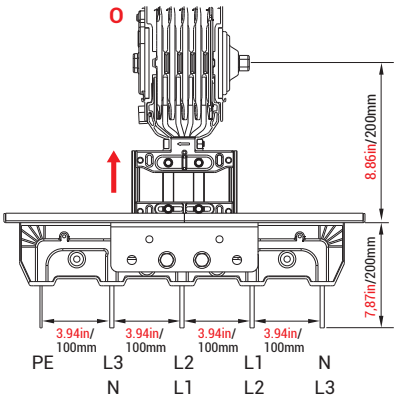

**Panel Connection** **- P 1 1**
Busway Feeder



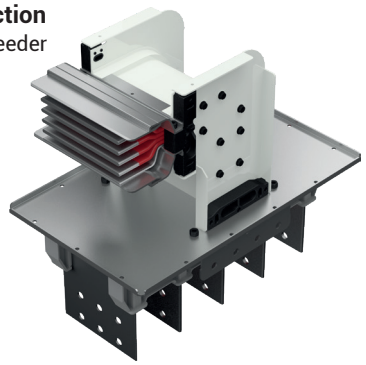
Sample Order:

**KXC-III 25507-B-P11**
2500 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder



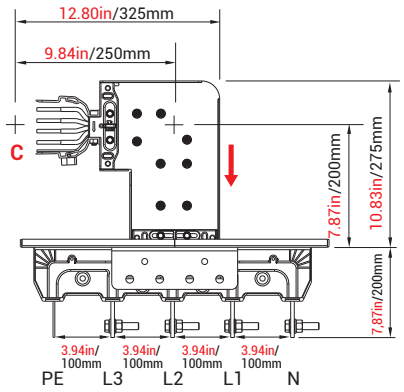

**Upwards Panel Connection** **- P U 2 0**
Panel Feeder



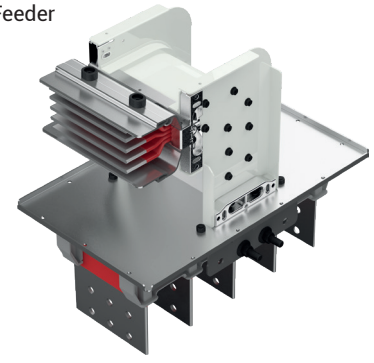
Sample Order:

**KXC-III 36507-B-PU20**
3600 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder



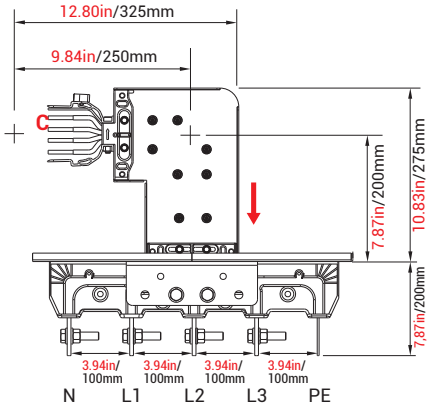

**Downwards Panel Connection** **- P D 2 0**
Panel Feeder



Sample Order:

**KXC-III 43507-B-PD20**
4250 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder




For connection dimensions please refer to tables on pages 24 and 25.

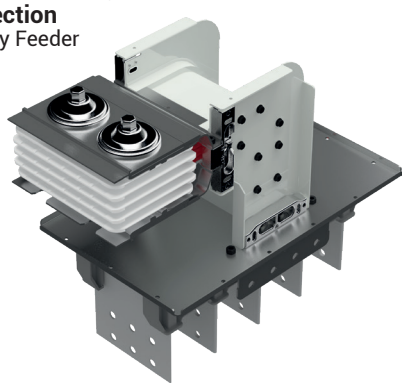
- Distance between conductors can vary in 0.20in./±5 mm
- Please call us for non-standard components.
- The dimensions given above are minimum values.

# E-LINE KX-III

## Busway & Panel Connections

### Upwards Busway Connection - P U 2 1

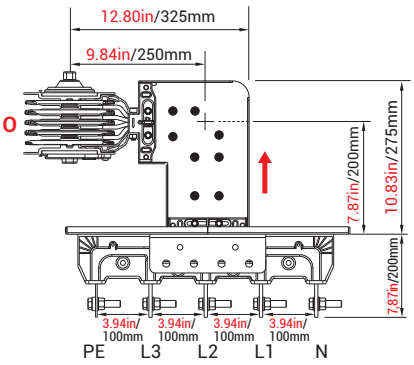
Busway Feeder



Sample Order:

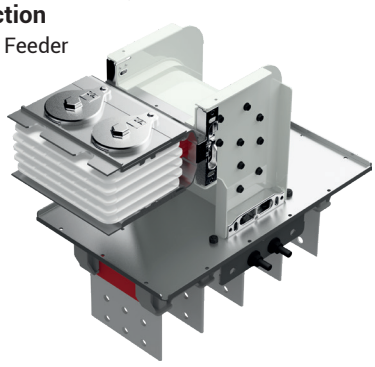
**KXC-III 36507-B-PU21**
3600 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder




### Downwards Busway Connection - P D 2 1

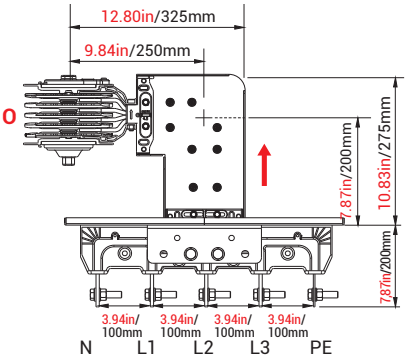
Busway Feeder



Sample Order:

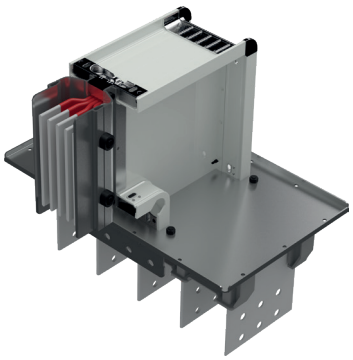
**KXC 43507-B-PD21**
4250 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder




### Right Panel Connection - P R 3 0

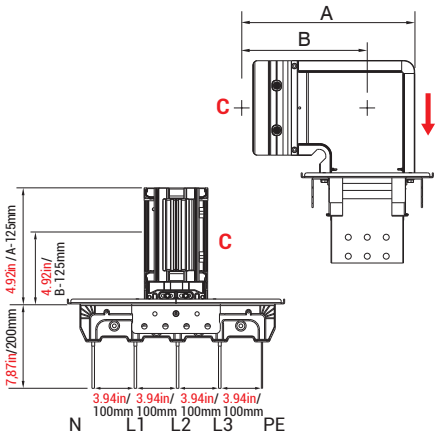
Panel Feeder



Sample Order:

**KXC 25507-B-PR30**
3600 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder




### Left Panel Connection - P L 3 0

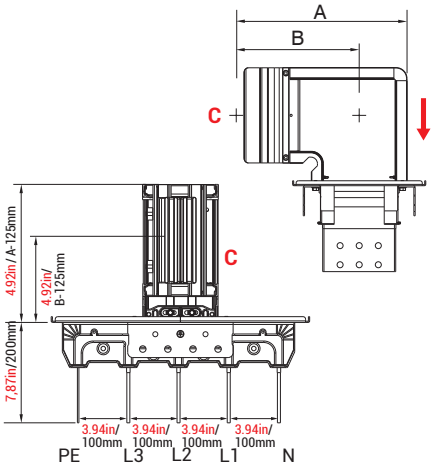
Panel Feeder

Sample Order:

**KXC 25507-B-PL30**
2500 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder

The "A" and "B" dimensions for PR30 and PL30 are the same dimensions as left and right elbows.
Please refer to page 12 for the dimensions.




For connection dimensions please refer to tables on pages 24 and 25.

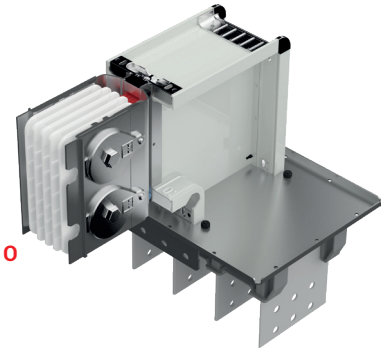
- Distance between conductors can vary in 0.20in./±5 mm
- Please call us for non-standard components.
- The dimensions given above are minimum values.

# E-LINE KX-III

## Panel Connections

### Right Panel Connection - P R 3 1

Busway Feeder

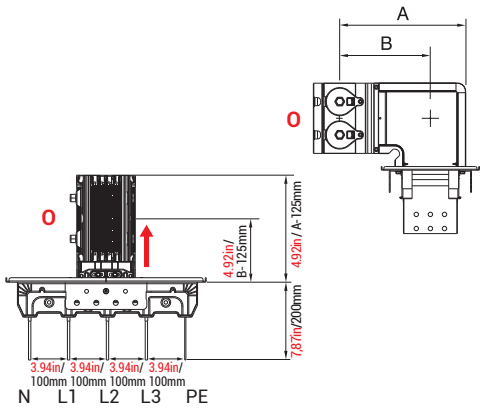


Sample Order:

**KXC-III 25507-B-PR31**
2500 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

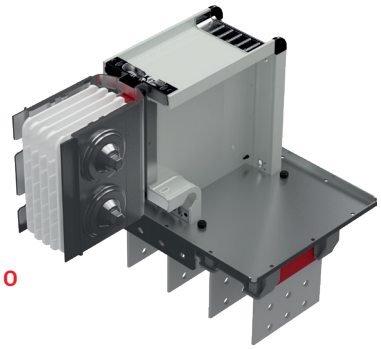
for Busway Feeder

The "A" and "B" dimensions for PR31 and PL31 are the same dimensions as left and right elbows.
Please refer to page 12 for the dimensions.




### Left Panel Connection - P L 3 1

Busway Feeder

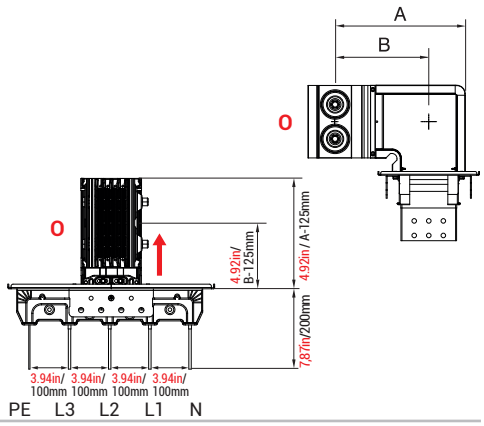


Sample Order:

**KXC-III 25507-B-PL31**
2500 A, Copper, Bolt-on,
IP 55, 4 1/2 conductors

for Busway Feeder

The "A" and "B" dimensions for PR31 and PL31 are the same dimensions as left and right elbows.
Please refer to page 12 for the dimensions.




For connection dimensions please refer to tables on pages 24 and 25.

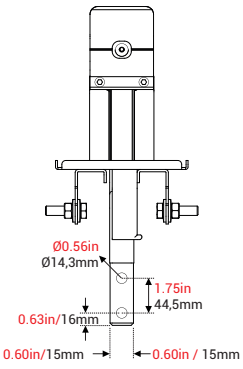
- Distance between conductors can vary in ±5 0.20in./±5 mm
- The dimensions given above are minimum values.
- Please call us for non-standard components.

# E-LINE KX-III

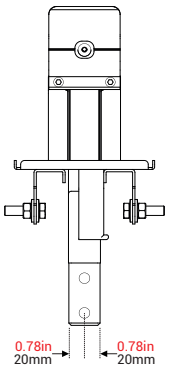
## Panel Connection

### Panel Connection Units / For all Panel Connection Units

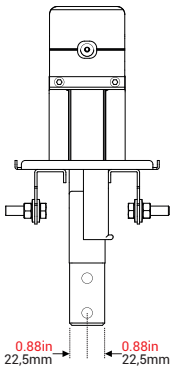
30



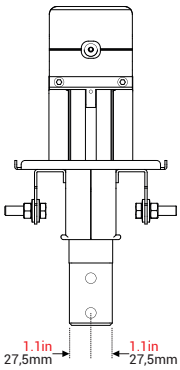

40



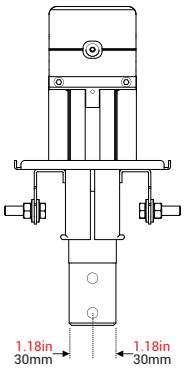

45



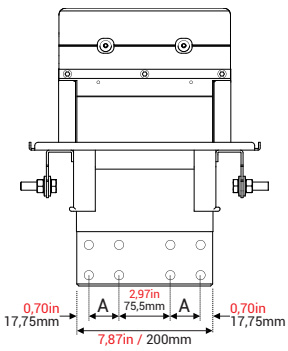

55



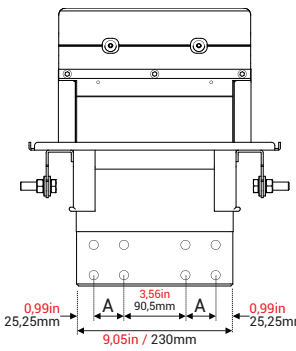

60



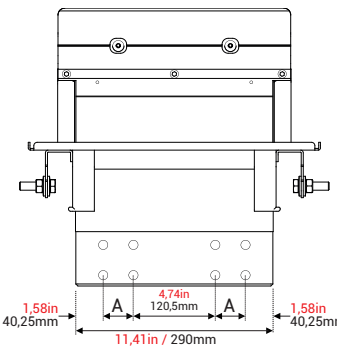

2x80



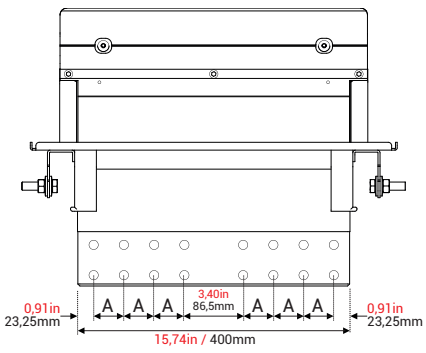

2x95



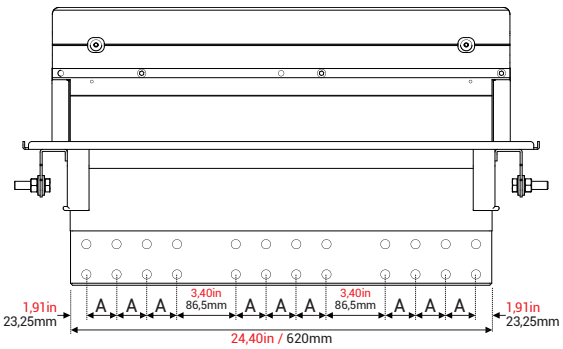

2x125



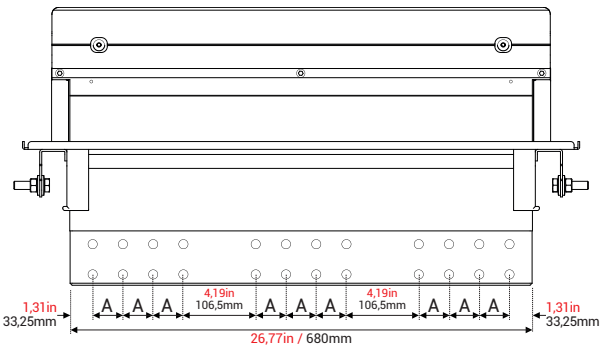

2x180




3x180

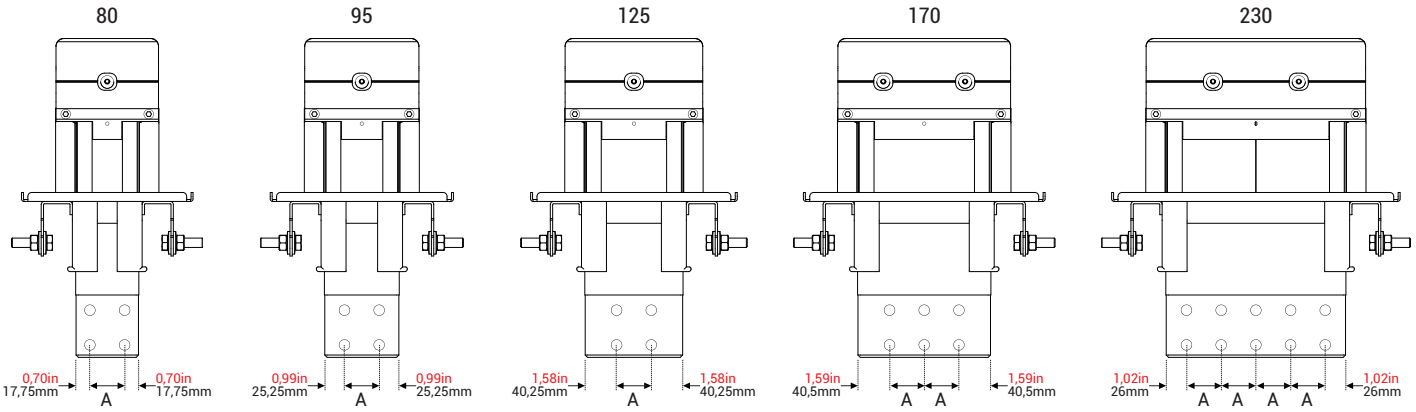


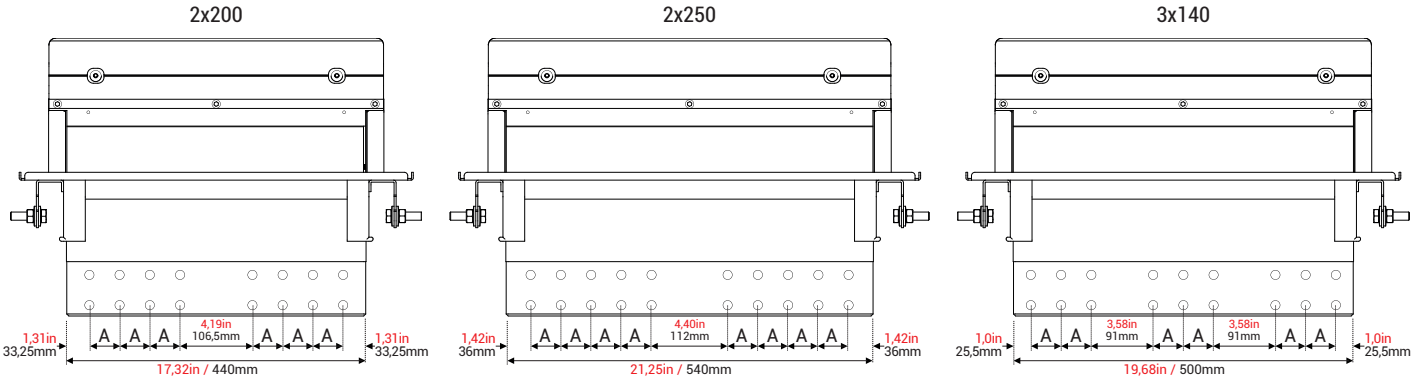

3x200



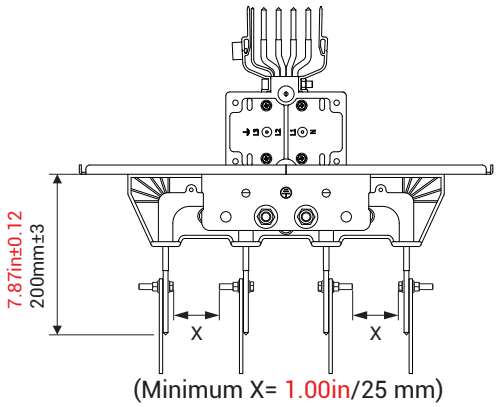

| A | |
|---|---|
| (inch) | (mm) |
| 1.75 | 44,5 |

■Please call us for non-standard components. ■Distance between conductors can vary in ±5 0.20in./±5 mm ■The dimensions given above are minimum values.




Sample Connection



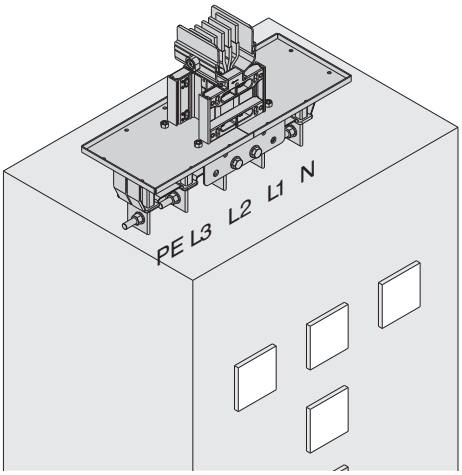

(Minimum X= 1.00in/25 mm)

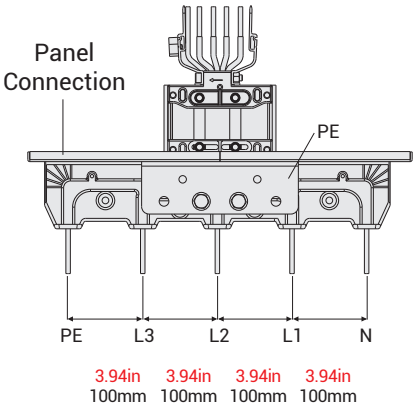
# E-LINE KX-III

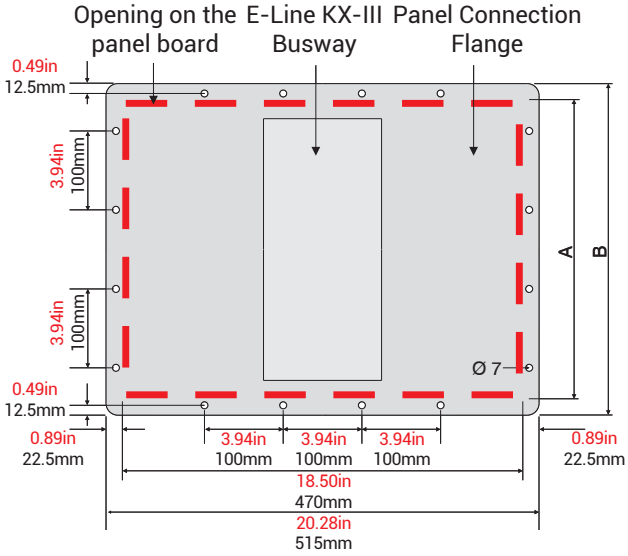
## Panel Connection Dimensions

**Flange Dimensions**

Panel Connection Units are supplied with suitable flange as standard.




* Bolt and nut sets are supplied together with related product as per the quantities below.

| Aluminium (Al) | | Copper (Cu) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | Conductor Size | | A | | B | | Number of the holes along B length | * M6 Bolt / Nut Set (pcs) |
| | | | | (inch) | (mm) | (inch) | (mm) | (inch) | (mm) | | |
| 400 | 04 | - | - | 0.24x1.18 | 6x30 | 4.92 | 125 | 6.69 | 170 | 2 | 12 |
| 550 | 05 | 630 | 06 | 0.24x1.57 | 6x40 | 5.31 | 135 | 7.09 | 180 | 2 | 12 |
| - | - | 800 | 08 | 0.24x1.77 | 6x45 | 5.51 | 140 | 7.28 | 185 | 2 | 12 |
| 630 | 06 | - | - | 0.24x2.17 | 6x55 | 5.91 | 150 | 7.68 | 195 | 2 | 12 |
| - | - | 1000 | 10 | 0.24x2.36 | 6x60 | 6.10 | 155 | 7.87 | 200 | 2 | 12 |
| 800 | 08 | 1250 | 12 | 0.24x3.15 | 6x80 | 6.89 | 175 | 8.66 | 220 | 2 | 12 |
| 1000 | 10 | 1350 | 14 | 0.24x3.74 | 6x95 | 7.48 | 190 | 9.25 | 235 | 3 | 14 |
| 1300 | 13 | 1600 | 16 | 0.24x4.92 | 6x125 | 8.66 | 220 | 10.43 | 265 | 3 | 14 |
| 1600 | 17 | 2000 | 20 | 0.24x6.69 | 6x170 | 10.43 | 265 | 12.20 | 310 | 3 | 14 |
| 2000 | 20 | - | - | 0.24x9.06 | 6x230 | 12.80 | 325 | 14.57 | 370 | 4 | 16 |
| - | - | 2000 | 22 | 2(0.24x3.15) | 2(6x80) | 11.61 | 295 | 13.39 | 340 | 3 | 14 |
| - | - | 2500 | 26 | 2(0.24x3.74) | 2(6x95) | 12.80 | 325 | 14.57 | 370 | 4 | 16 |
| 2500 | 25 | 3200 | 32 | 2(0.24x4.92) | 2(6x125) | 15.16 | 385 | 16.93 | 430 | 4 | 16 |
| 3000 | 30 | - | - | 2(0.24x6.69) | 2(6x170) | 18.71 | 475 | 20.48 | 520 | 5 | 18 |
| - | - | 4000 | 40 | 2(0.24x7.09) | 2(6x180) | 19.49 | 495 | 21.26 | 540 | 5 | 19 |
| 3200 | 33 | - | - | 2(0.24x7.87) | 2(6x200) | 21.06 | 535 | 22.83 | 580 | 6 | 20 |
| 4000 | 40 | - | - | 2(0.24x9.84) | 2(6x250) | 25.00 | 635 | 26.77 | 680 | 7 | 22 |
| - | - | 5000 | 50 | 3(0.24x5.51) | 3(6x140) | 23.43 | 595 | 25.20 | 640 | 7 | 22 |
| - | - | 6000 | 60 | 3(0.24x7.09) | 3(6x180) | 28.15 | 715 | 29.92 | 760 | 8 | 24 |
| 5000 | 50 | - | - | 3(0.24x7.87) | 3(6x200) | 30.51 | 775 | 32.28 | 820 | 8 | 24 |

# E-LINE KX-III

## Sample Order Busplug Configuration

### KXSP-III 0100604F03CC

**KX – SP – III – 0100 – 6 – 04 – F – 03 – CC**
**I II III IV V VI VII VIII IX**

**I. Type of Busway series**
a. KXA : Aluminum conductor busway
b. KXC : Copper conductor busway

**II. Fittings type**
a. SP : Small Plug-in
b. P : Standard Plug-in
c. BP : Big Plug-in
d. B : Bolt-on

**III. Standard**
a. III : UL

**IV. Current code**
a. 0030 : 30 Amps
b. 0060 : 60 Amps
c. 0090 : 90 Amps
d. 0100 : 100 Amps
e. 0120 : 120 Amps
f. 0125 : 125 Amps
g. 0200 : 200 Amps
h. 0250 : 250 Amps
i. 0400 : 400 Amps
j. 0600 : 600 Amps
k. 0800 : 800 Amps
l. 1000 : 1000 Amps

**V. Rated Voltage**
a. 2 : 240 V
b. 4 : 480 V
c. 6 : 600 V

**VI. Conductor number of busway**
a. 03 : 3 Wire (3 ph + PE Enclosure)
b. 04 : 4 Wire (3 ph + N + PE Enclosure)
c. 05 : 5 Wire (3 ph + N + CPE + PE enclosure)
d. 06 : 6 Wire (3 ph + N1 + N2 + CPE + PE enclosure)
e. 07 : 4.5 Wire (3PH + 1N + 1/2PE conductors + PE enclosure)
f. 08 : 4.5 Wire (3PH + 1N + 1/2CPE Conductors + PE enclosure)
g. 09 : 5 Wire (3PH + 1N + 1CPE Conductors + PE enclosure)
h. 13 : 3.5 Wire (3PH + 1/2PE Conductors + PE enclosure)

**VII. Fittings' protection device type**
a. E : No protection / Empty box
b. F : Fusible
c. M : MCCB
d. MC : MCB

**VIII. Brand of protection device**
a. 01 : -
... .... : -
h. 08 : -

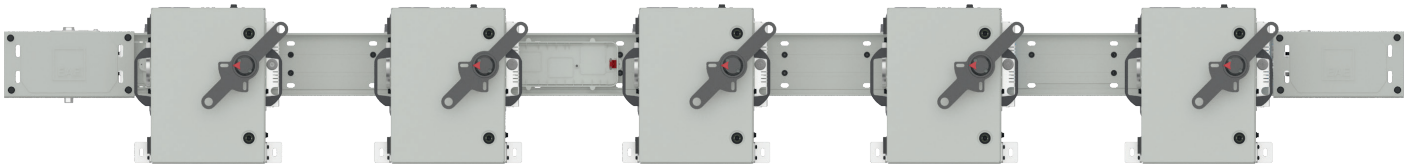
**IX. Protection device type**
a. CC : CC type fuse
b. J : J type fuse
c. MCCB : MCCB
d. MC : MCB

# E-LINE KX-III

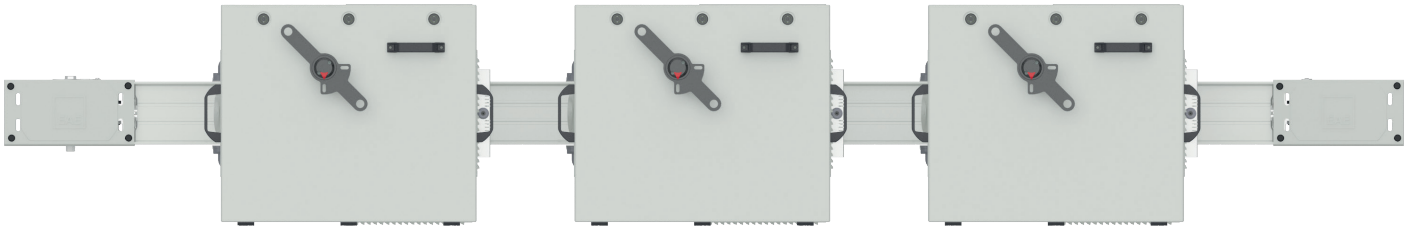
## Busplug Installation Orientation

### Fusible Busplug

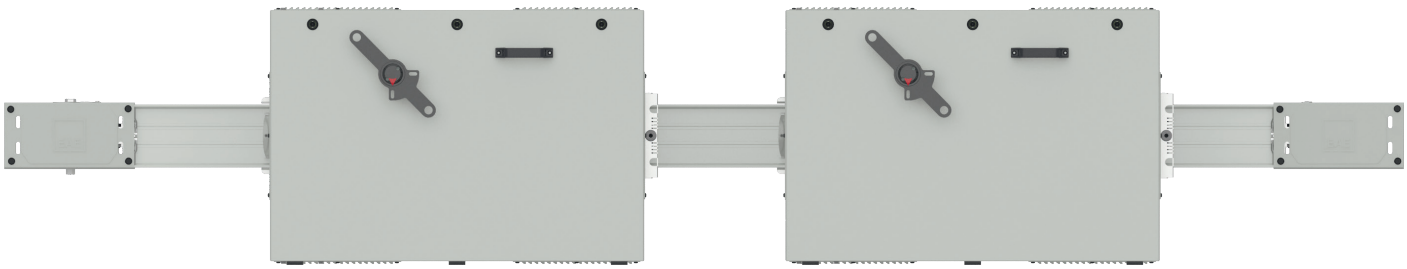
100A



200A



400A - 600A

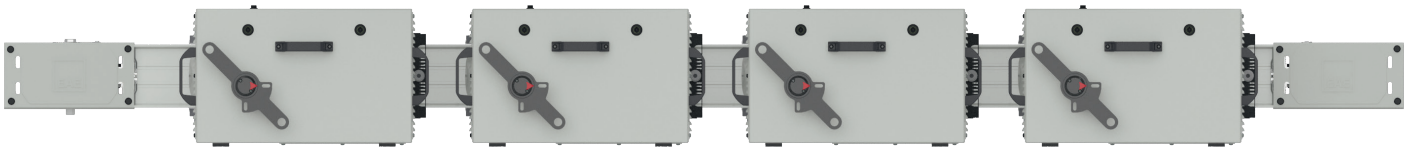


# E-LINE KX-III

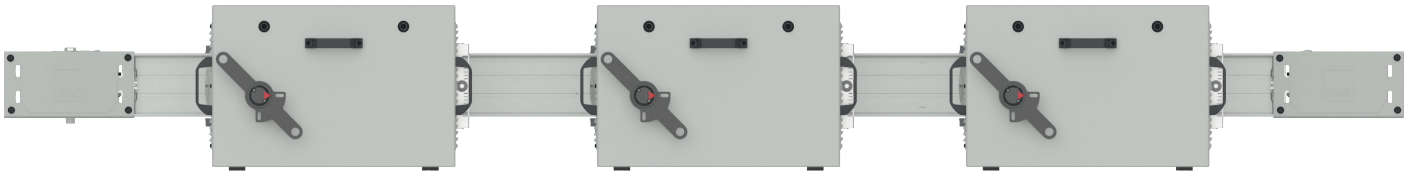
## Busplug Installation Orientation

MCCB Busplug

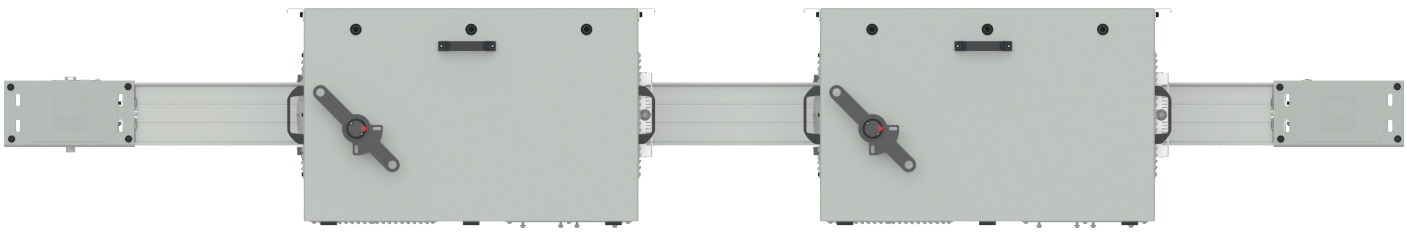
125A



250A



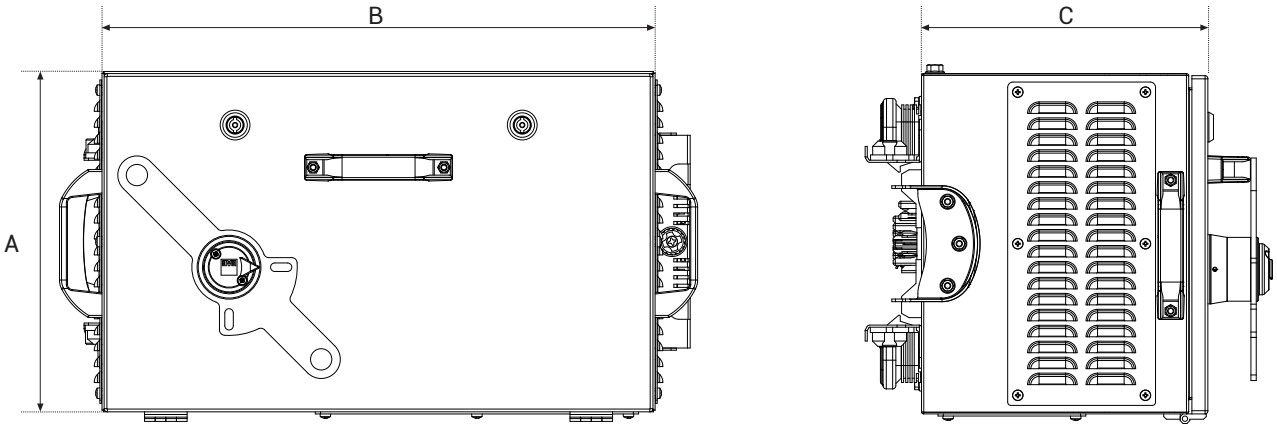
400A - 600A



# E-LINE KX-III

## Tap-off Boxes

### MCCB Busplug

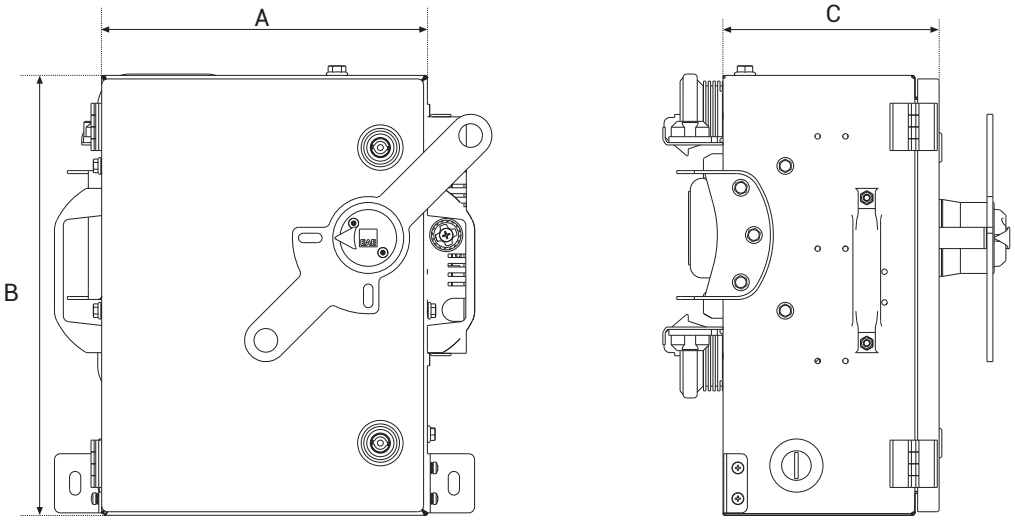



| MCCB BUSPLUG | | | | | | |
|---|---|---|---|---|---|---|
| Rated Current | A (mm) / (inch) | B (mm) / (inch) | C (mm) / (inch) | Max Qty. for 10ft Busway | Short Circuit Current Rating kA | Order Code |
| 125A | 320 / 12.59in | 520 / 20.47in | 270 / 10.62in | 4 | 25kA/600V | 3295924 |
| 250A | 385 / 15.15in | 585 / 23.03in | 270 / 10.62in | 3 | 25kA/600V | 3295925 |
| 400A | 510 / 20.07in | 805 / 31.69in | 270 / 10.62in | 2 | 35kA/600V | 3295926 |
| 600A | 510 / 20.07in | 805 / 31.69in | 270 / 10.62in | 2 | 35kA/600V | 3295927 |

# E-LINE KX-III

## Tap-off Boxes

### Fusible Busplug



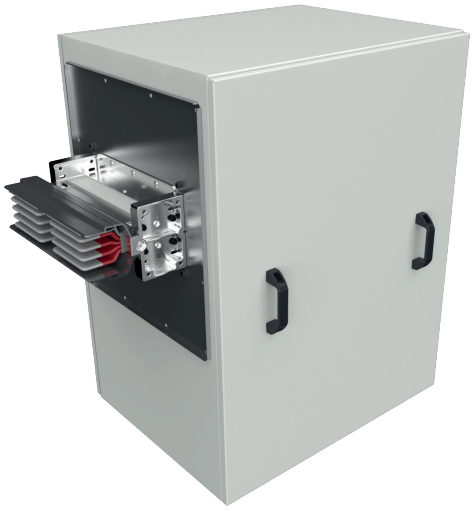

| FUSIBLE BUSPLUG | | | | | | |
|---|---|---|---|---|---|---|
| Rated Current | A (mm) / (inch) | B (mm) / (inch) | C (mm) / (inch) | Max Qty. for 10ft Busway | Short Circuit Current Rating kA | Order Code |
| 100A | 275 / 10.82in | 370 / 14.56in | 210 / 8.26in | 5 | 100kA/600V | 3176836 |
| 200A | 520 / 20.47in | 615 / 24.21in | 305 / 12.00in | 3 | 100kA/600V | 3299537 |
| 400A | 600 / 23.62in | 900 / 35.43in | 415 / 16.33in | 2 | 100kA/600V | 3299538 |
| 600A | 600 / 23.62in | 900 / 35.43in | 415 / 16.33in | 2 | 100kA/600V | 3299539 |

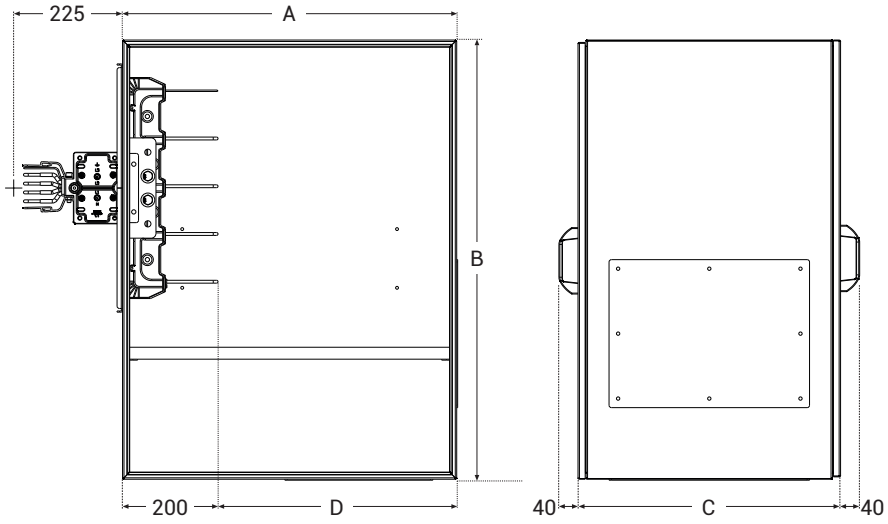
# E-LINE KX-III

## Horizontal End Feed Box

(B10 - B11)

### B10






Sample Order:

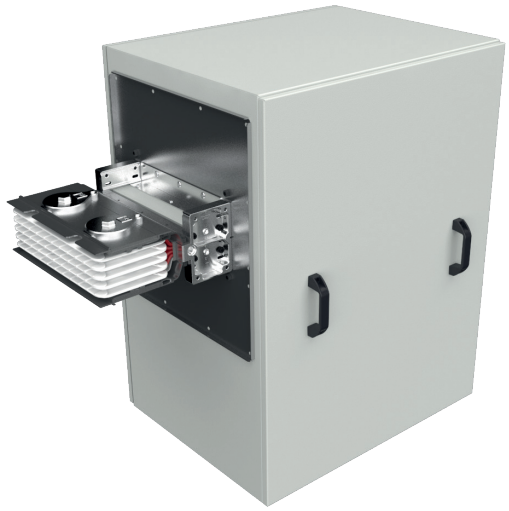
2500A, Aluminum, Bolt-on, 4W

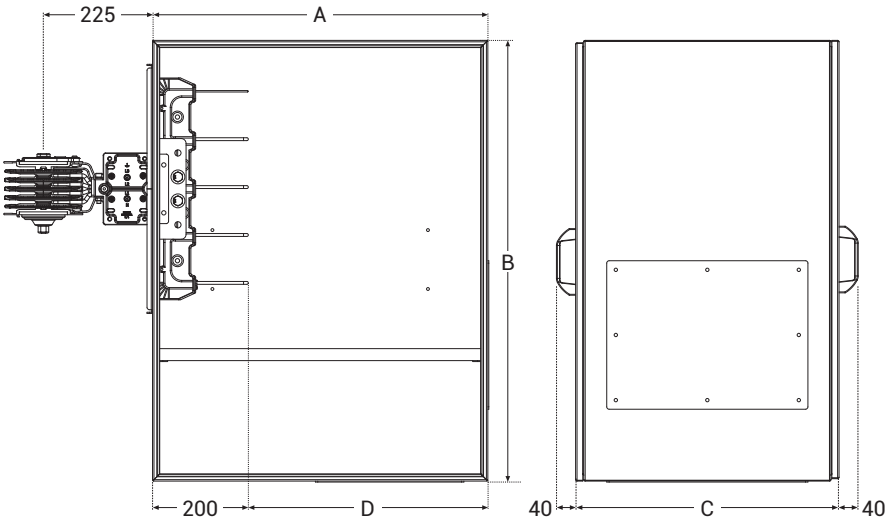
**KXA-III 25504-B-B10**

Important Note:

Please determine the end cable box orientation (H or V) According to project design and inform the production team.

### B11






Sample Order:

3200A, Copper, Bolt-on, 4,5W

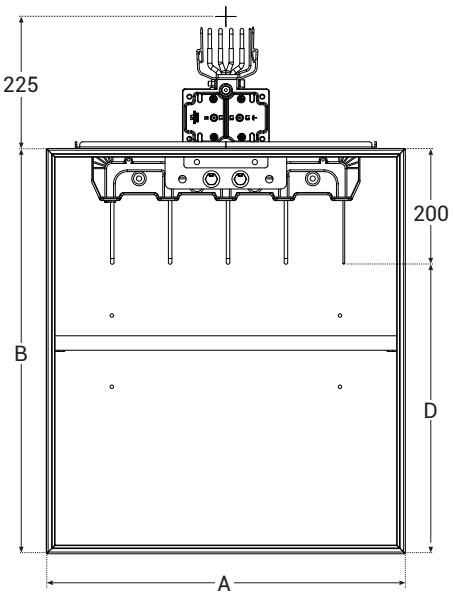
**KXC-III 33507-B-B11**

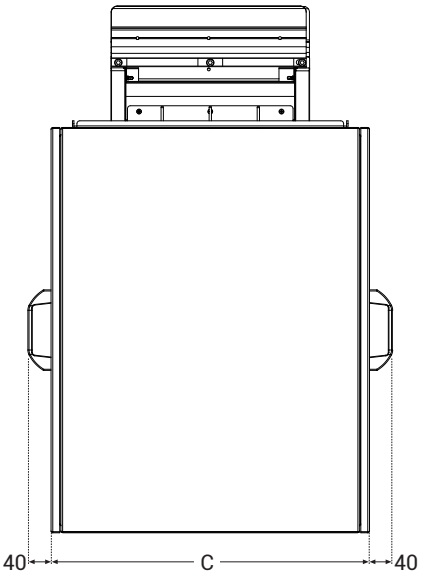
# E-LINE KX-III

## Vertical End Feed Box

(B10 - B11)

### B10




Sample Order:

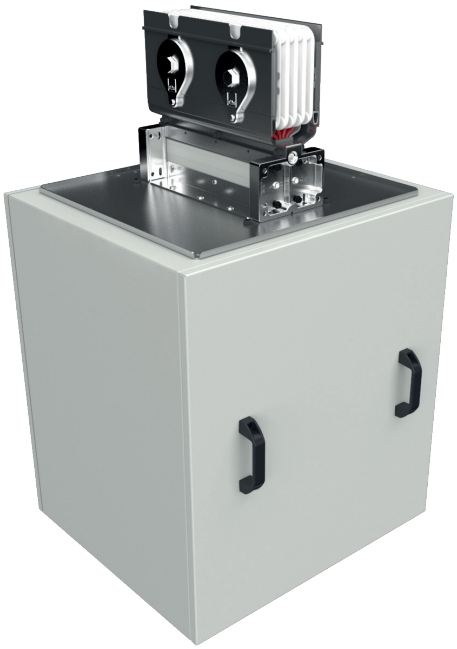
2500A, Aluminum, Bolt-on, 4W

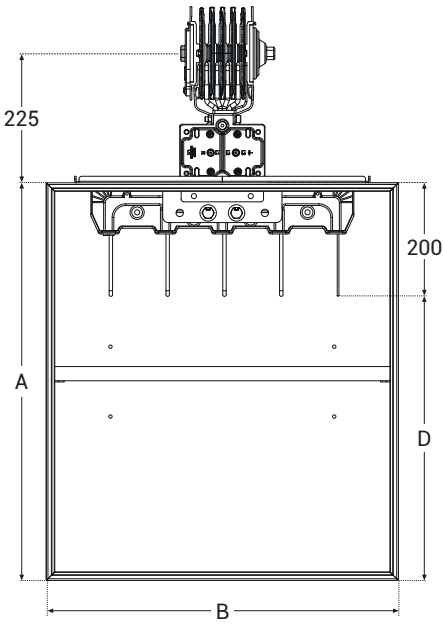
**KXA-III 25504-B-B10**

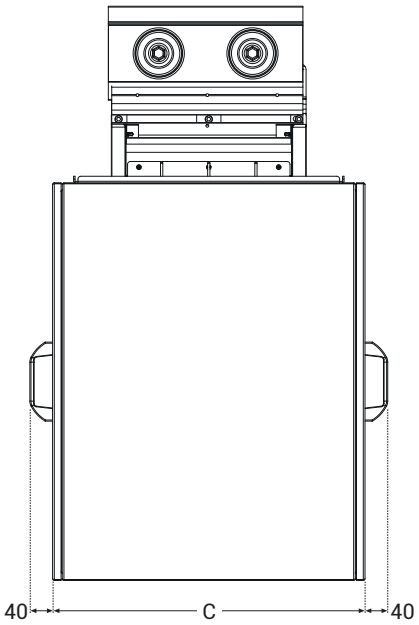
Important Note:

Please determine the end cable box orientation (H or V) According to project design and inform the production team.

### B11






Sample Order:

3200A, Copper, Bolt-on, 4,5W

**KXC-III 33507-B-B11**

# E-LINE KX-III

## End Cable Box Dimension Table

For the details of the end cable box dimensions, please see the reference table on page 34.

| | HORIZONTAL | | | | VERTICAL | | | |
|---|---|---|---|---|---|---|---|---|
| | A (mm) / (inch) | B (mm) / (inch) | C (mm) / (inch) | Qty. | B (mm) / (inch) | A (mm) / (inch) | C (mm) / (inch) | Qty. |
| **AL** | | | | | | | | |
| 400 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 1 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 1 |
| 550 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 2 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 2 |
| 630 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 2 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 2 |
| 800 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 3 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 3 |
| 1000 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 4 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 4 |
| 1300 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 4 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 4 |
| 1600 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 5 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 5 |
| 2000 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 6 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 6 |
| 2500 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 8 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 8 |
| 3000 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 8 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37in | 8 |
| 3200 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 9 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37in | 9 |
| 4000 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 12 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37in | 12 |
| 5000 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 15 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37in | 15 |
| **CU** | | | | | | | | |
| 630 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 2 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 2 |
| 800 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 3 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 3 |
| 1000 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 4 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 4 |
| 1250 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 4 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 4 |
| 1350 | 700 / 27.56in | 920 / 36.22in | 355 / 13.98in | 4 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 355 / 13.98in | 4 |
| 1600 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 5 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 5 |
| 2000 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 6 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 6 |
| 2000 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 6 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 6 |
| 2500 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 8 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 8 |
| 3200 | 700 / 27.56in | 920 / 36.22in | 550 / 21.65in | 9 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 550 / 21.65in | 9 |
| 4000 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 12 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37in | 12 |
| 5000 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 15 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37.00in | 15 |
| 6000 | 700 / 27.56in | 920 / 36.22in | 940 / 37in | 15 | 700 / 27.56in | 620 / 24.4in<br>*720 / 28.35in | 940 / 37.00in | 15 |

* Please use this dimensions for 5W and 6W project.

# E-LINE KX-III

## Feeder Boxes

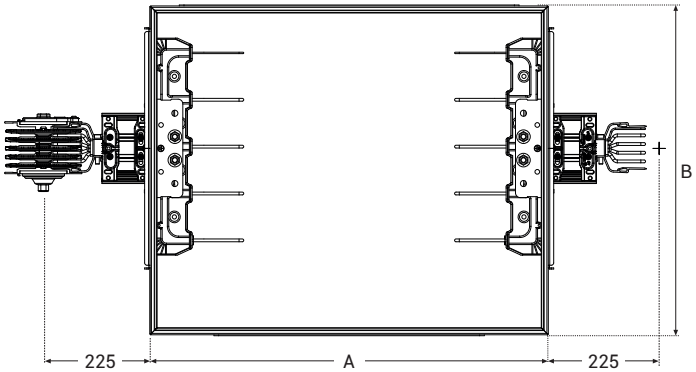
(B10,B11)

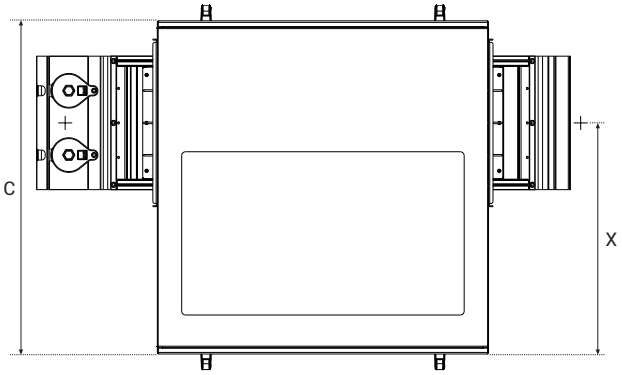
BO

Sample Order:

2500A, Aluminum, Bolt-on, 4W

**KXA-III 25504-B-BO**




| | KXA - HORIZONTAL / VERTICAL | | | | | |
|---|---|---|---|---|---|---|
| AL | | A (mm) / (inch) | B (mm) / (inch) | C (mm) / (inch) | X (mm) / (inch) | Qty. |
| 400 | 6x30 | 350 / 13.77in | 515 / 20.27in *650 / 25.59in | 635 / 25,00in | 491 / 19.33in | 1 |
| 550 | 6x40 | 350 / 13.77in | 515 / 20.27in *650 / 25.59in | 645 / 25.39in | 496 / 19.52in | 2 |
| 630 | 6x55 | 350 / 13.77in | 515 / 20.27in *650 / 25.59in | 660 / 25.98in | 504 / 19.84in | 2 |
| 800 | 6x80 | 350 / 13.77in | 515 / 20.27in *650 / 25.59in | 685 / 26.96in | 516 / 20.31in | 3 |
| 1000 | 6x95 | 400 / 15.74in | 515 / 20.27in *650 / 25.59in | 700 / 27.55in | 524 / 20.62in | 4 |
| 1300 | 6x125 | 400 / 15.74in | 515 / 20.27in *650 / 25.59in | 730 / 28.74in | 539 / 21.22in | 4 |
| 1600 | 6x170 | 450 / 17.71in | 515 / 20.27in *650 / 25.59in | 775 / 30.51in | 561 / 22.08in | 5 |
| 2000 | 6x230 | 500 / 19.68in | 515 / 20.27in *650 / 25.59in | 835 / 32.87in | 591 / 23.26in | 6 |
| 2500 | 2(6x125) | 600 / 23.62in | 515 / 20.27in *650 / 25.59in | 895 / 35,23in | 621 / 24.44in | 8 |
| 3000 | 2(6x170) | 600 / 23.62in | 515 / 20.27in *650 / 25.59in | 605 / 23.81in | 476 / 18.74in | 8 |
| 3200 | 2(6x200) | 650 / 25.59in | 515 / 20.27in *650 / 25.59in | 1045 / 41.14in | 696 / 27.40in | 9 |
| 4000 | 2(6x250) | 800 / 31.49in | 515 / 20.27in *650 / 25.59in | 1145 / 45.07in | 746 / 29.37in | 12 |
| 5000 | 3(6x200) | 950 / 37.40in | 515 / 20.27in *650 / 25.59in | 1285 / 50.59in | 816 / 32.12in | 15 |

| | KXC - HORIZONTAL / VERTICAL | | | | | |
|---|---|---|---|---|---|---|
| CU | | A (mm) / (inch) | B (mm) / (inch) | C (mm) / (inch) | X (mm) / (inch) | Qty. |
| 630 | 6x40 | 350 / 13.77in | 515 / 20.27in *650 / 25.59in | 645 / 25.39in | 496 / 19.52in | 2 |
| 800 | 6x45 | 350 / 13.77in | 515 / 20.27in *650 / 25.59in | 650 / 25.59in | 499 / 19.64in | 3 |
| 1000 | 6x60 | 400 / 15.74in | 515 / 20.27in *650 / 25.59in | 665 / 26.18in | 506 / 19.92in | 4 |
| 1250 | 6x80 | 400 / 15.74in | 515 / 20.27in *650 / 25.59in | 685 / 26.96in | 516 / 20.31in | 4 |
| 1350 | 6x95 | 400 / 15.74in | 515 / 20.27in *650 / 25.59in | 700 / 27.55in | 524 / 20.62in | 4 |
| 1600 | 6x125 | 450 / 17.71in | 515 / 20.27in *650 / 25.59in | 730 / 28.74in | 539 / 21.22in | 5 |
| 2000 | 6x170 | 500 / 19.68in | 515 / 20.27in *650 / 25.59in | 775 / 30.51in | 561 / 22.08in | 6 |
| 2000 | 2(6x80) | 500 / 19.68in | 515 / 20.27in *650 / 25.59in | 805 / 31.69in | 576 / 22.67in | 6 |
| 2500 | 2(2x95) | 600 / 23.62in | 515 / 20.27in *650 / 25.59in | 835 / 32.87in | 591 / 23.26in | 8 |
| 3200 | 2(6x125) | 650 / 25.59in | 515 / 20.27in *650 / 25.59in | 895 / 35,23in | 621 / 24.44in | 9 |
| 4000 | 2(6x180) | 800 / 31.49in | 515 / 20.27in *650 / 25.59in | 1005 / 35.23in | 676 / 26.61in | 12 |
| 5000 | 3(6x140) | 950 / 37.40in | 515 / 20.27in *650 / 25.59in | 1105 / 43.50in | 726 / 28.58in | 15 |
| 6000 | 3(6x180) | 950 / 37.40in | 515 / 20.27in *650 / 25.59in | 1225 / 48.22in | 786 / 30.94in | 15 |

*** Please use this dimensions for 5W and 6W project.**

# E-LINE KX-III

## Vertical and Horizontal Busway Applications

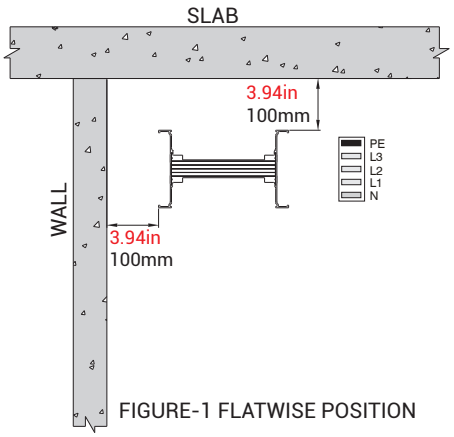



FIGURE-1 FLATWISE POSITION

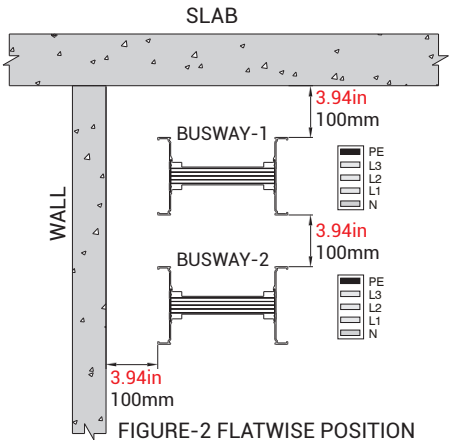



FIGURE-2 FLATWISE POSITION

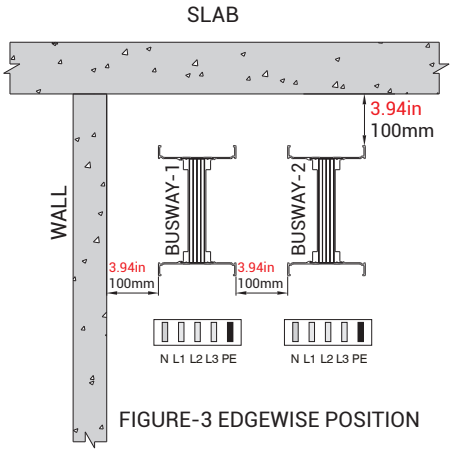



FIGURE-3 EDGEWISE POSITION

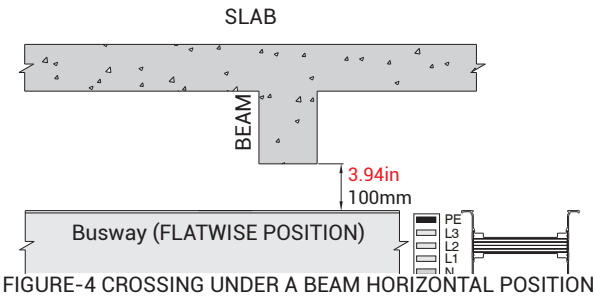



FIGURE-4 CROSSING UNDER A BEAM HORIZONTAL POSITION

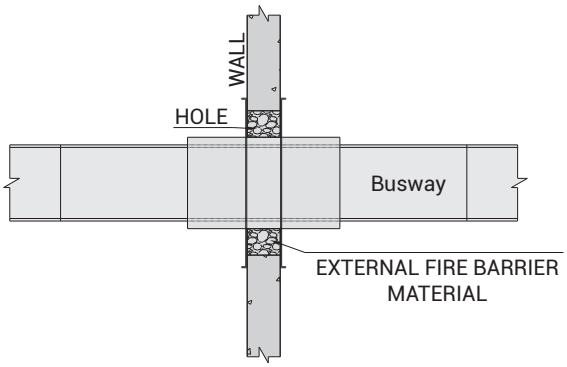



FIGURE-5 SAMPLE WALL CROSSING WITH FIRE BARRIER

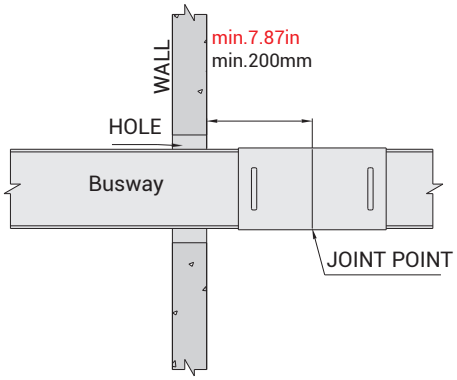
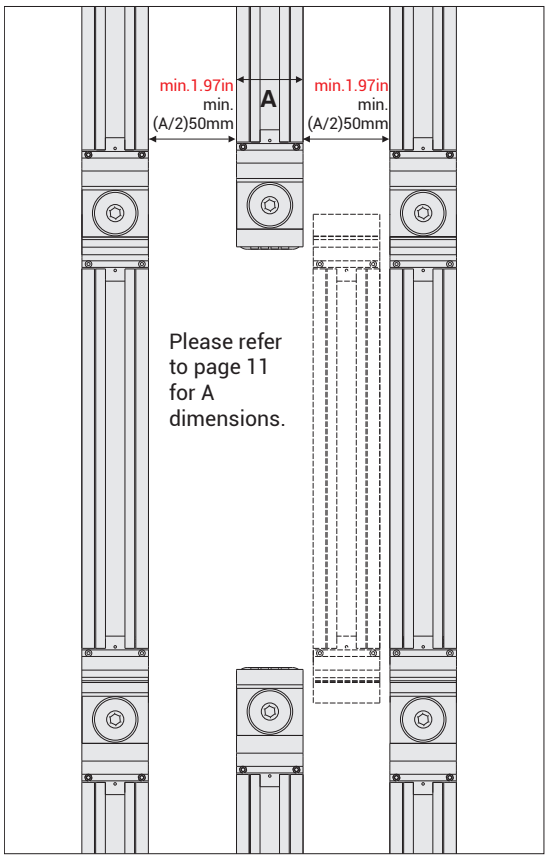



FIGURE-6 STANDARD WALL CROSSING




MINIMUM DISTANCE BETWEEN BUSWAY RUNS IN HORIZONTAL APPLICATIONS.

■The dimensions given above are minimum values. ■All measures are given in inch / mm

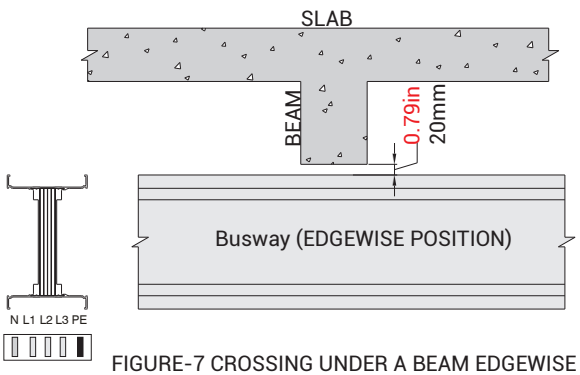



FIGURE-7 CROSSING UNDER A BEAM EDGEWISE POSITION

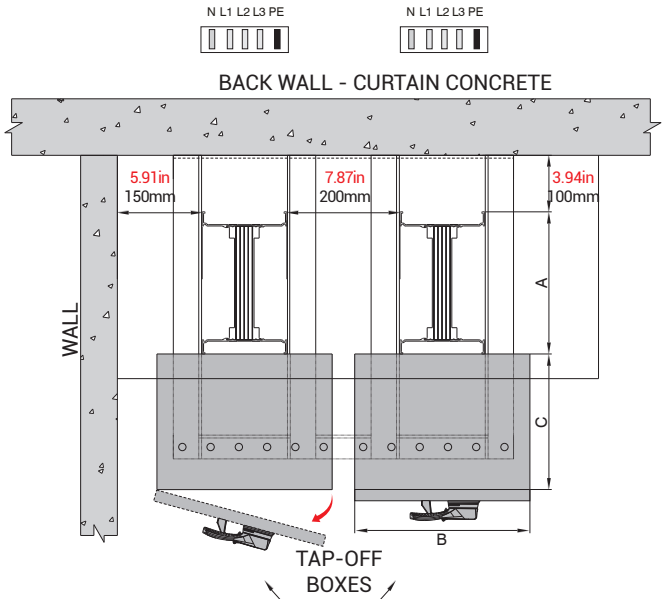



FIGURE-8 MINIMUM DIMENSIONS BETWEEN 2 TAP-OFF BOXES

**NOTE:** In order to accomodate the busway systems in the riser shaft;

**MDM=** Minimum Distance from the wall

**"A" dimension =** All dimensions are for standard modules.

**"C" dimension =** Please see page 31-32 and special dimension for Tap-off box "C" dimension.

**"B" dimension =** Max. opening distance for Tap-off box cover.

**Shaft Dimension =** MDM + A + C + B + 3.94in/ 100mm Shown as (Figure-8)

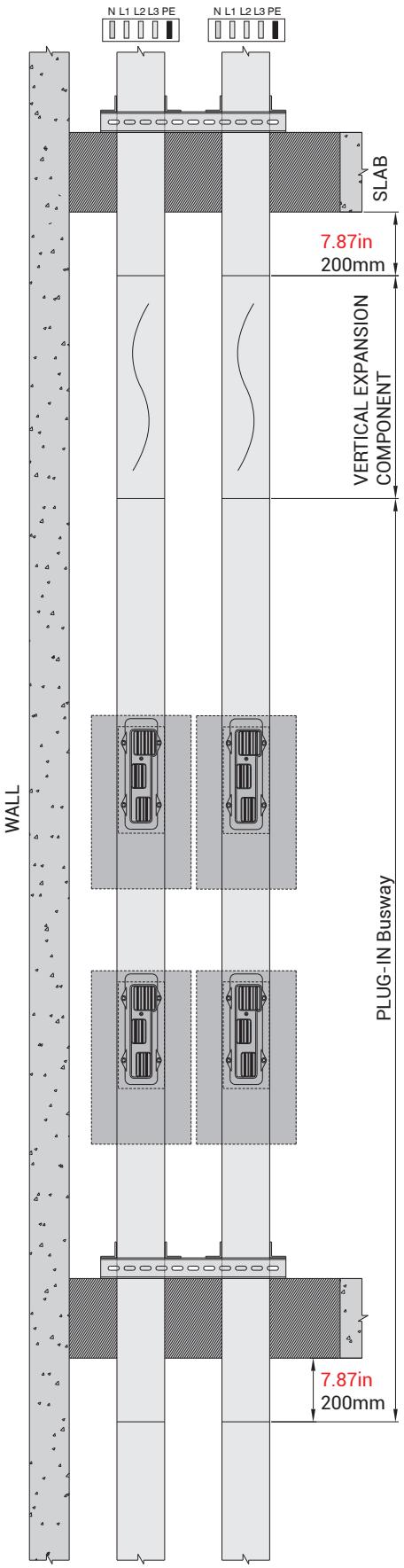
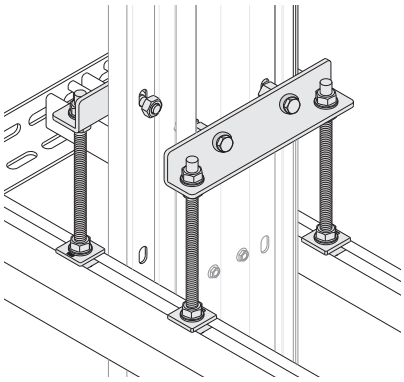


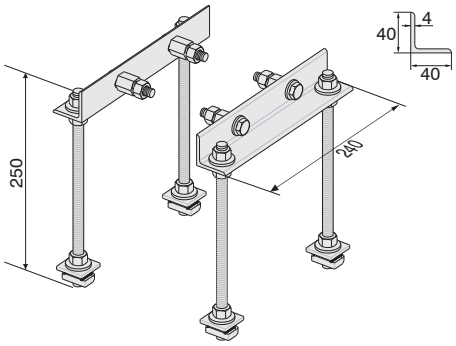

FIGURE-9 MINIMUM DIMENSIONS BETWEEN 2 RISERS

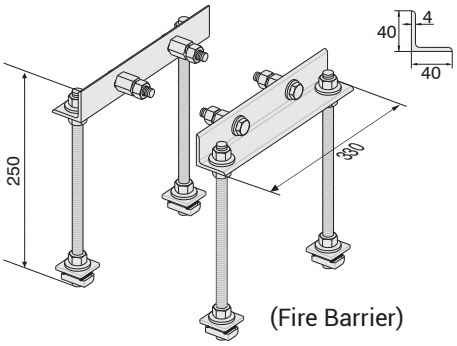
■The dimensions given above are minimum values. ■All measures are given in inch./mm

### Supports

| Description | Order Code |
|---|---|
| KX Vertical Riser Fixing Unit | **3048475** |
| KX Vertical Riser Fixing Unit (Fire Barrier) | **3048707** |

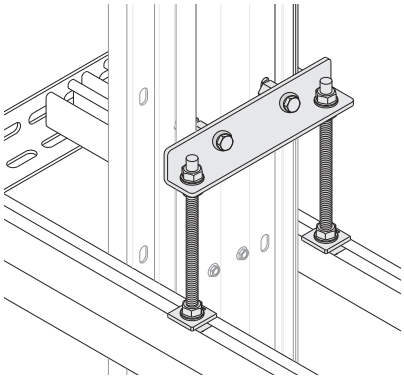


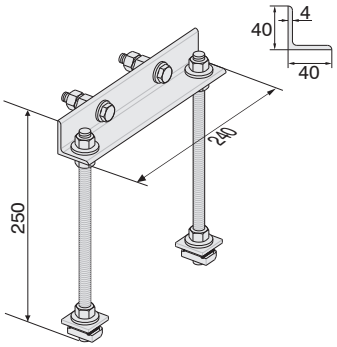


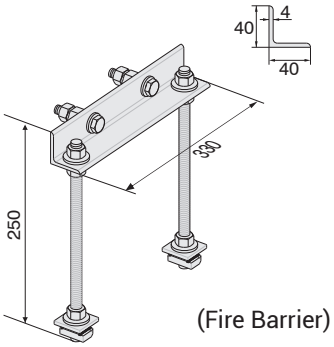




(Fire Barrier)

| Description | Order Code |
|---|---|
| * KX Vertical Riser Fixing Unit | **3305415** |
| * KX Vertical Riser Fixing Unit (Fire Barrier) | **3305419** |



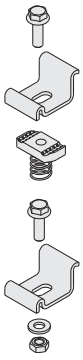



(Fire Barrier)

| | | |
|---|---|---|
| * KXA 04 | * KXC 05 | **6x25** |
| * KXA 05 | * KXC 06 | **6x30** |
| * KXA 06 | * KXC 08 | **6x40** |

### Fixing Elements

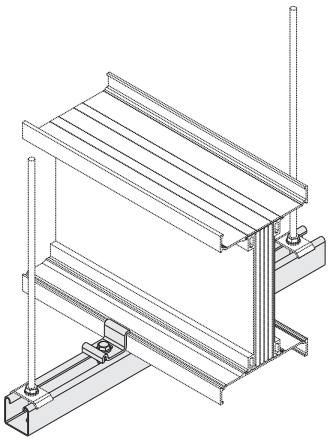


| Description | Order Code |
|---|---|
| KX Fixing Clamp for Binrak (Unistrut) Channel | **2011227** |

| Description | Order Code |
|---|---|
| KX Fixing Clamp for Steel Angle Profile | **2011226** |

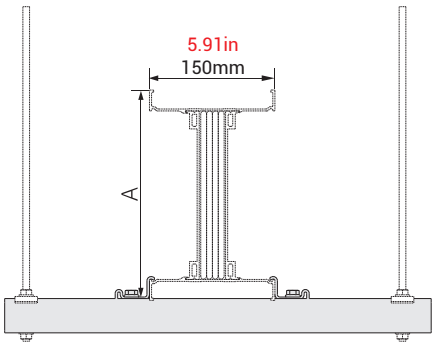
■The dimensions given above are minimum values. ■All measures are given in inch./mm

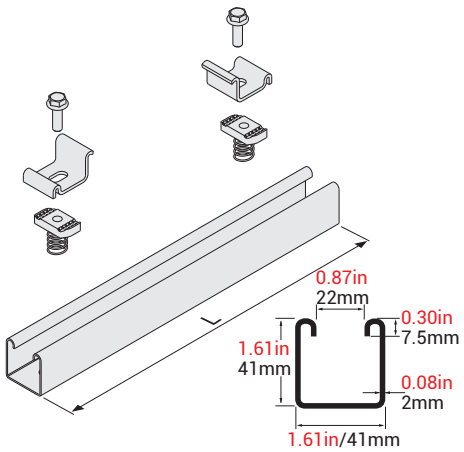
### Supports

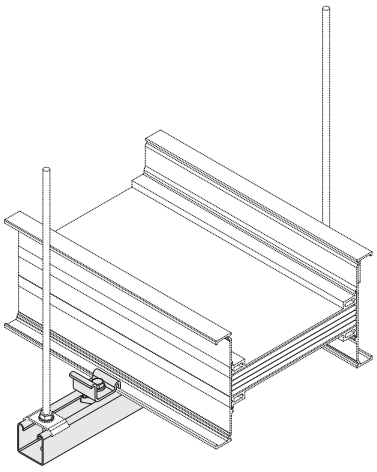


### KX - BRA HANGER SET FOR EDGEWISE APPLICATION TO BINRAK (UNISTRUT) CHANNEL

| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | 13.78 | 350 | 3.25 | 82.5 | 3025372 |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | | | 6.93 | 176 | |
| 1600 | 17 | 2000 | 20 | | | 8.70 | 221 | |
| 2000 | 20 | - | - | | | 11.06 | 281 | |

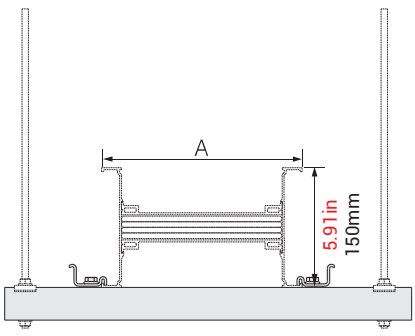


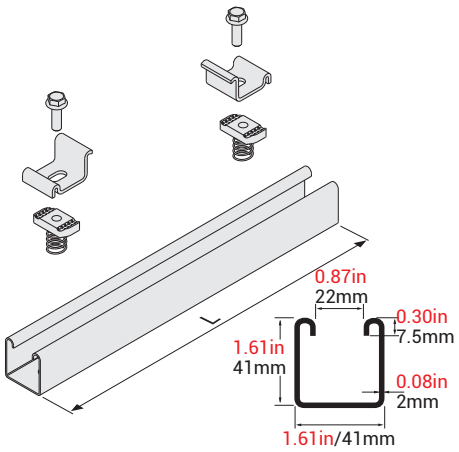



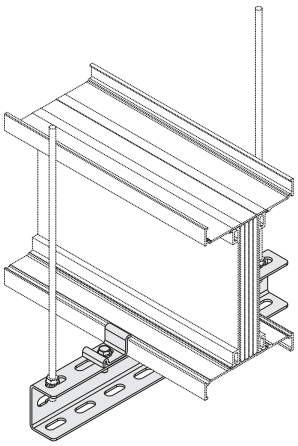
### KX - BRA HANGER SET FOR FLATWISE APPLICATION TO BINRAK (UNISTRUT) CHANNEL

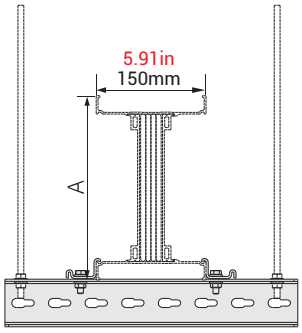
| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | 11.81 | 300 | 3.25 | 82.5 | 3025372 |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | 13.78 | 350 | 6.93 | 176 | 3025373 |
| 1600 | 17 | 2000 | 20 | 15.75 | 400 | 8.70 | 221 | 3025374 |
| 2000 | 20 | - | - | 17.72 | 450 | 11.06 | 281 | 3025375 |



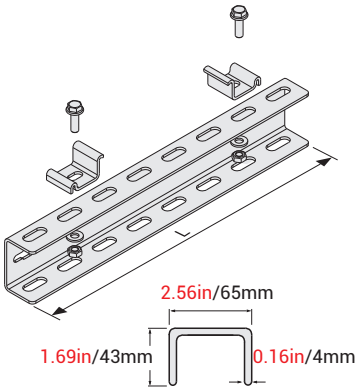




■The dimensions given above are minimum values. ■All measures are given in inch. /mm

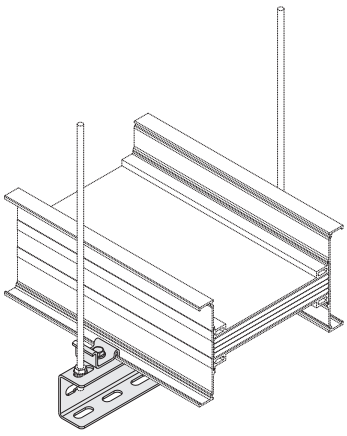


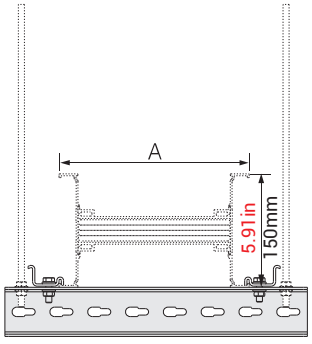



### KX - UT HANGER SET FOR EDGEWISE APPLICATION TO NPU CHANNEL

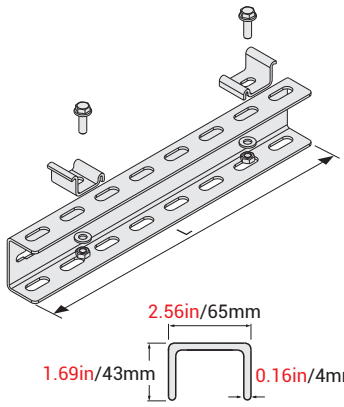



| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | | | 3.25 | 82.5 | |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | | | 6.93 | 176 | |
| 1600 | 17 | 2000 | 20 | | | 8.70 | 221 | |
| 2000 | 20 | - | - | 13.78 | 350 | 11.06 | 281 | 3025348 |
| - | - | 2000 | 22 | | | 9.92 | 252 | |
| - | - | 2500 | 26 | | | 11.10 | 282 | |
| 2500 | 25 | 3200 | 32 | | | 13.46 | 342 | |
| - | - | 4000 | 40 | | | 17.80 | 452 | |
| 3200 | 33 | - | - | | | 19.37 | 492 | |
| 4000 | 40 | - | - | | | 23.31 | 592 | |
| - | - | 5000 | 50 | | | 21.73 | 552 | |
| - | - | 6000 | 60 | | | 26.46 | 672 | |
| 5000 | 50 | - | - | | | 28.82 | 732 | |



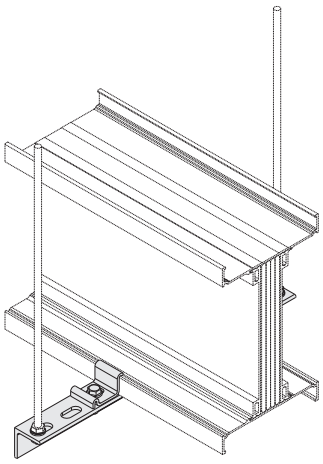



### KX - UT HANGER SET FOR FLATWISE APPLICATION TO NPU CHANNEL



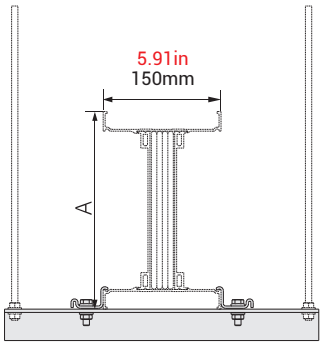

| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | | | 3.25 | 82.5 | |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | 11.81 | 300 | 3.78 | 96 | 3025347 |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | 13.78 | 350 | 5.75 | 146 | 3025348 |
| 1300 | 13 | 1600 | 16 | 15.75 | 400 | 6.93 | 176 | 3025349 |
| 1600 | 17 | 2000 | 20 | | | 8.70 | 221 | |
| 2000 | 20 | - | - | 17.72 | 450 | 11.06 | 281 | 3025350 |
| - | - | 2000 | 22 | | | 9.92 | 252 | |
| - | - | 2500 | 26 | | | 11.10 | 282 | |
| 2500 | 25 | 3200 | 32 | 21.65 | 550 | 13.46 | 342 | 3025352 |
| - | - | 4000 | 40 | | | 17.80 | 452 | |
| 3200 | 33 | - | - | 27.56 | 700 | 19.37 | 492 | 3025354 |
| 4000 | 40 | - | - | | | 23.31 | 592 | |
| - | - | 5000 | 50 | | | 21.73 | 552 | |
| - | - | 6000 | 60 | 35.43 | 900 | 26.46 | 672 | 3025355 |
| 5000 | 50 | - | - | | | 28.82 | 732 | |

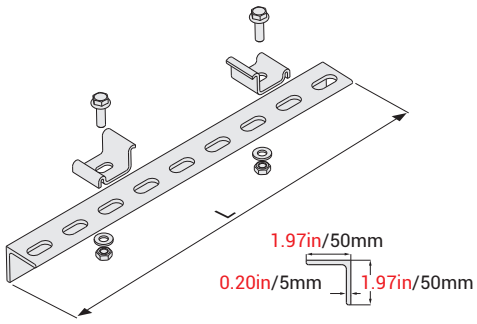
■The dimensions given above are minimum values. ■All measures are given in inch. /mm

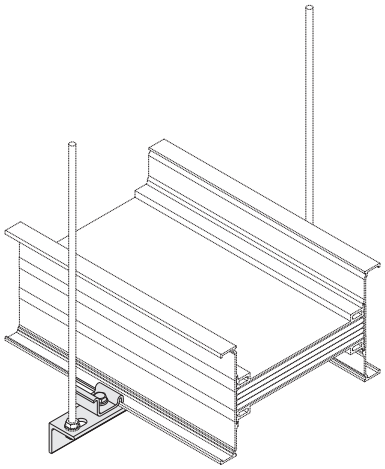


### KX HANGER SET FOR EDGEWISE APPLICATION TO STEEL ANGLE PROFILE

| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | 13.78 | 350 | 3.25 | 82.5 | 3025344 |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | | | 6.93 | 176 | |
| 1600 | 17 | 2000 | 20 | | | 8.70 | 221 | |
| 2000 | 20 | - | - | | | 11.06 | 281 | |

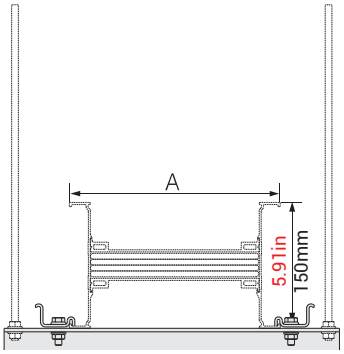


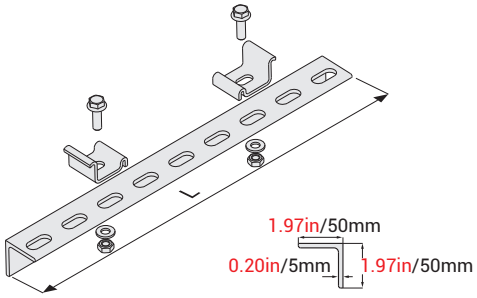



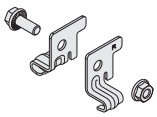
### KX - BRA HANGER SET FOR FLATWISE APPLICATION TO BINRAK (UNISTRUT) CHANNEL

| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | 11.81 | 300 | 3.25 | 82.5 | 3025372 |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | 13.78 | 350 | 6.93 | 176 | 3025374 |
| 1600 | 17 | 2000 | 20 | 15.75 | 400 | 8.70 | 221 | |
| 2000 | 20 | - | - | 17.72 | 450 | 11.06 | 281 | 3025375 |

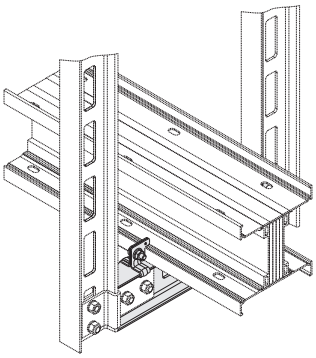


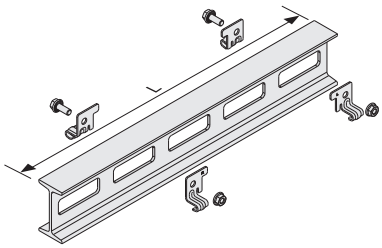

■The dimensions given above are minimum values. ■All measures are given in inch. /mm

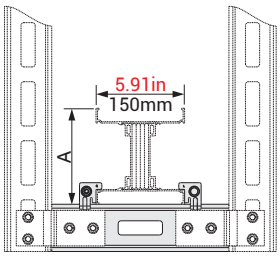


| Description | Code |
|---|---|
| KX IDY Support Set | 2054590 |

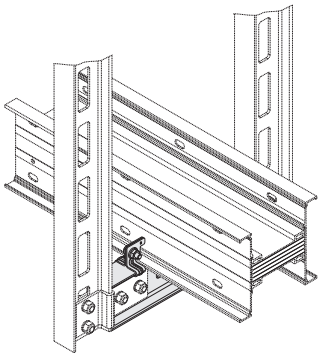


### KX - IDY TWO-WAY FOR EDGEWISE APPLICATION TO NPI CHANNEL

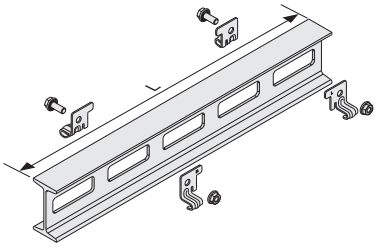


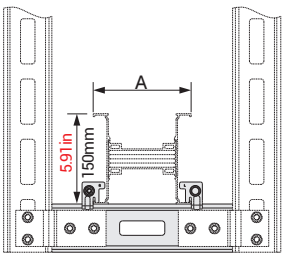



| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | 11.81 | 350 | 3.25 | 82.5 | 3113547 |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | | | 6.93 | 176 | |
| 1600 | 17 | 2000 | 20 | | | 8.70 | 221 | |
| 2000 | 20 | - | - | | | 11.06 | 281 | |
| - | - | 2000 | 22 | | | 9.92 | 252 | |
| - | - | 2500 | 26 | | | 11.10 | 282 | |
| 2500 | 25 | 3200 | 32 | | | 13.46 | 342 | |
| - | - | 4000 | 40 | | | 17.80 | 452 | |
| 3200 | 33 | - | - | | | 19.37 | 492 | |
| 4000 | 40 | - | - | | | 23.31 | 592 | |
| - | - | 5000 | 50 | | | 21.73 | 552 | |
| - | - | 6000 | 60 | | | 26.46 | 672 | |
| 5000 | 50 | - | - | | | 28.82 | 732 | |



### KX - IDY TWO-WAY FOR FLATWISE APPLICATION TO NPI CHANNEL






| Al Conductor | | Cu Conductor | | L | | A | | Order Code |
|---|---|---|---|---|---|---|---|---|
| Rated Current | Busway Code | Rated Current | Busway Code | (inch) | (mm) | (inch) | (mm) | |
| 400 | 04 | - | - | 11.81 | 300 | 3.25 | 82.5 | 3113547 |
| 550 | 05 | 630 | 06 | | | 3.58 | 91 | |
| - | - | 800 | 08 | | | 3.78 | 96 | |
| 630 | 06 | - | - | | | 4.17 | 106 | |
| - | - | 1000 | 10 | | | 4.37 | 111 | |
| 800 | 08 | 1250 | 12 | | | 5.16 | 131 | |
| 1000 | 10 | 1350 | 14 | | | 5.75 | 146 | |
| 1300 | 13 | 1600 | 16 | | | 6.93 | 176 | |
| 1600 | 17 | 2000 | 20 | 15.75 | 400 | 8.70 | 221 | 3113548 |
| 2000 | 20 | - | - | 19.69 | 500 | 11.06 | 281 | 3113549 |
| - | - | 2000 | 22 | | | 9.92 | 252 | |
| - | - | 2500 | 26 | | | 11.10 | 282 | |
| 2500 | 25 | 3200 | 32 | | | 13.46 | 342 | |
| - | - | 4000 | 40 | 27.56 | 700 | 17.80 | 452 | 3134127 |
| 3200 | 33 | - | - | | | 19.37 | 492 | |
| 4000 | 40 | - | - | | | 23.31 | 592 | |
| - | - | 5000 | 50 | | | 21.73 | 552 | |
| - | - | 6000 | 60 | 35.43 | 900 | 26.46 | 672 | 3113553 |
| 5000 | 50 | - | - | | | 28.82 | 732 | |

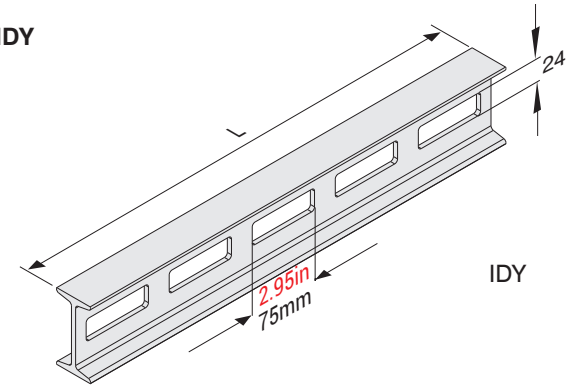
■The dimensions given above are minimum values. ■All measures are given in inch. /mm

# E-LINE KX-III

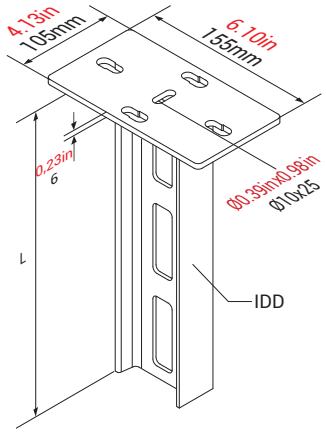
## Fixing Elements

### Supports

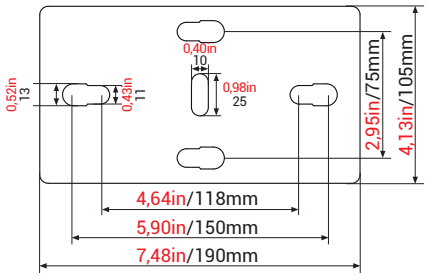
**IDY**



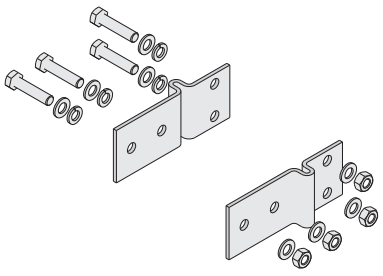

| Description | L | | Code |
|---|---|---|---|
| | (inch) | (mm) | |
| IDY 300 | 11.81 | 300 | 3008242 |
| IDY 400 | 15.75 | 400 | 3008290 |
| IDY 500 | 19.69 | 500 | 3008289 |
| IDY 600 | 23.62 | 600 | 3008288 |
| IDY 700 | 27.56 | 700 | 3008287 |
| IDY 800 | 31.50 | 800 | 3008286 |
| IDY 900 | 35.43 | 900 | 3008285 |
| IDY 1000 | 39.37 | 1000 | 3008284 |
| IDY 1100 | 43.31 | 1100 | 3008283 |
| IDY 1200 | 47.24 | 1200 | 3008282 |
| IDY 1300 | 51.18 | 1300 | 3008236 |
| IDY 1400 | 55.12 | 1400 | 3008281 |
| IDY 1500 | 59.06 | 1500 | 3008280 |
| IDY 1600 | 62.99 | 1600 | 3008241 |
| IDY 1700 | 66.93 | 1700 | 3008240 |
| IDY 1800 | 70.87 | 1800 | 3008239 |
| IDY 1900 | 74.80 | 1900 | 3008238 |
| IDY 2000 | 78.74 | 2000 | 3008237 |
| IDD 300 | 11.81 | 300 | 3008314 |
| IDD 400 | 15.75 | 400 | 3008313 |
| IDD 500 | 19.69 | 500 | 3008312 |
| IDD 600 | 23.62 | 600 | 3008311 |
| IDD 700 | 27.56 | 700 | 3008310 |
| IDD 800 | 31.50 | 800 | 3008309 |
| IDD 900 | 35.43 | 900 | 3008308 |
| IDD 1000 | 39.37 | 1000 | 3008307 |
| IDD 1100 | 43.31 | 1100 | 3008306 |
| IDD 1200 | 47.24 | 1200 | 3008305 |
| IDD 1300 | 51.18 | 1300 | 3008304 |
| IDD 1400 | 55.12 | 1400 | 3008303 |
| IDD 1500 | 59.06 | 1500 | 3008302 |
| IDD 1600 | 62.99 | 1600 | 3008301 |
| IDD 1700 | 66.93 | 1700 | 3008300 |
| IDD 1800 | 70.87 | 1800 | 3008299 |
| IDD 1900 | 74.80 | 1900 | 3008298 |
| IDD 2000 | 78.74 | 2000 | 3008297 |
| IDT Support Fitting | - | | 3008279 |



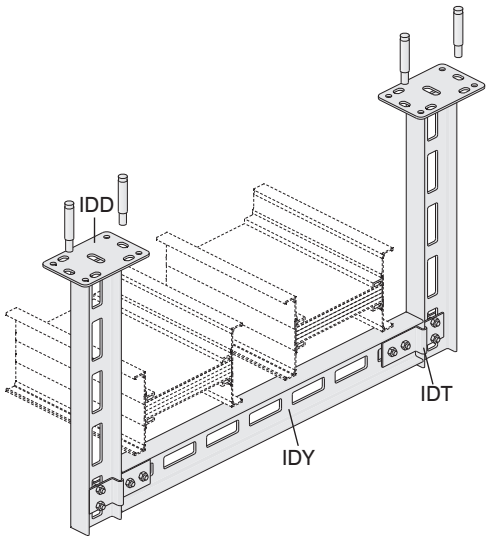

**IDD**




**IDT**

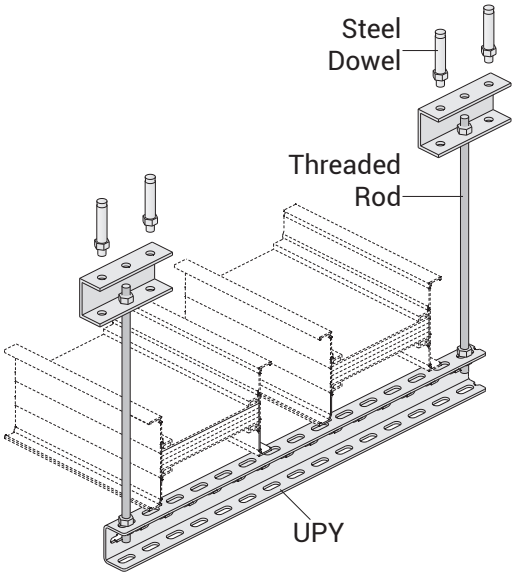


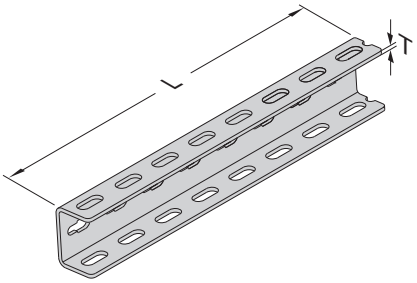
IDT

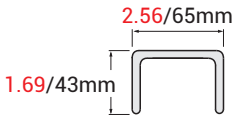



■Please call us for non-standard components.

**UPY**



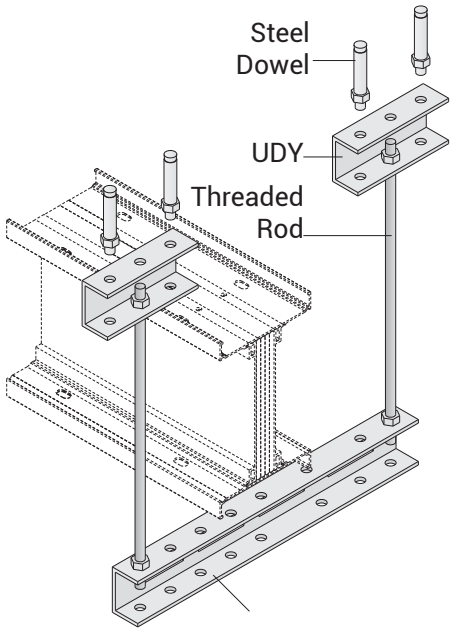



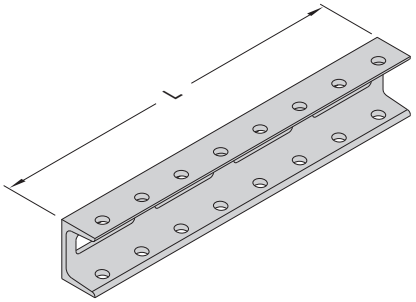



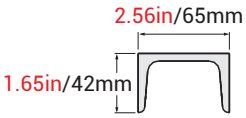

| Description | T | L | | Code |
|---|---|---|---|---|
| | (inch)/(mm) | (inch) | (mm) | |
| UPY 300 | 0.16 / 4 | 11.81 | 300 | **3004487** |
| UPY 400 | 0.16 / 4 | 15.75 | 400 | **3004489** |
| UPY 500 | 0.16 / 4 | 19.69 | 500 | **3004491** |
| UPY 600 | 0.16 / 4 | 23.62 | 600 | **3004493** |
| UPY 700 | 0.16 / 4 | 27.56 | 700 | **3004495** |
| UPY 800 | 0.16 / 4 | 31.50 | 800 | **3004496** |
| UPY 900 | 0.16 / 4 | 35.43 | 900 | **3004497** |
| UPY 1000 | 0.16 / 4 | 39.37 | 1000 | **3004498** |
| UPY 1100 | 0.16 / 4 | 43.31 | 1100 | **3004499** |
| UPY 1200 | 0.16 / 4 | 47.24 | 1200 | **3004500** |
| UPY 1500 | 0.16 / 4 | 59.06 | 1500 | **3004503** |

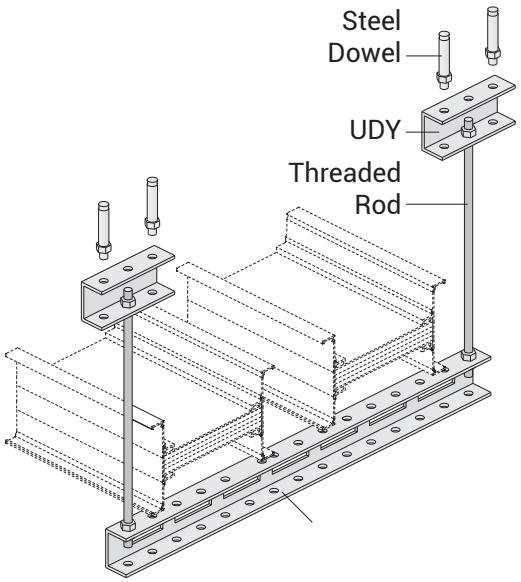
■Please call us for non-standard components.

**UDY**



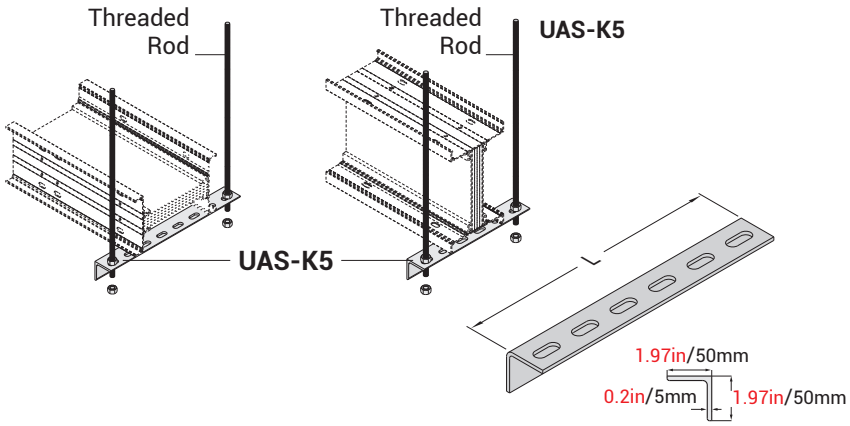



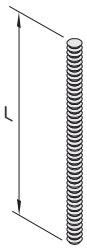

| Description | L | | Code |
|---|---|---|---|
| | (inch) | (mm) | |
| UDY 300 | 11.81 | 300 | **3008023** |
| UDY 400 | 15.75 | 400 | **3008024** |
| UDY 500 | 19.69 | 500 | **3008025** |
| UDY 600 | 23.62 | 600 | **3008026** |
| UDY 700 | 27.56 | 700 | **3008027** |
| UDY 800 | 31.50 | 800 | **3008028** |
| UDY 900 | 35.43 | 900 | **3008029** |
| UDY 1000 | 39.37 | 1000 | **3008030** |
| UDY 1100 | 43.31 | 1100 | **3008031** |
| UDY 1200 | 47.24 | 1200 | **3008032** |
| UDY 1300 | 51.18 | 1300 | **3008033** |
| UDY 1400 | 55.12 | 1400 | **3008034** |
| UDY 1500 | 59.06 | 1500 | **3008035** |
| UDY 1600 | 62.99 | 1600 | **3008036** |
| UDY 1700 | 66.93 | 1700 | **3008037** |
| UDY 1800 | 70.87 | 1800 | **3008038** |
| UDY 1900 | 74.80 | 1900 | **3008039** |
| UDY 2000 | 78.74 | 2000 | **3008040** |

■Please call us for non-standard components.




**Supports**

| Description | L | | Code |
|---|---|---|---|
| | (inch) | (mm) | |
| UAS-K5 SUPPORT (1) | 7.87 | 200 | **3005324** |
| UAS-K5 SUPPORT (2) | 9.84 | 250 | **3005323** |
| UAS-K5 SUPPORT (3) | 11.81 | 300 | **3005322** |
| UAS-K5 SUPPORT (4) | 13.78 | 350 | **3005321** |
| UAS-K5 SUPPORT (5) | 15.75 | 400 | **3005320** |
| UAS-K5 SUPPORT (6) | 19.69 | 500 | **3005319** |
| UAS-K5 SUPPORT (7) | 23.62 | 600 | **3005318** |
| UAS-K5 SUPPORT (8) | 27.56 | 700 | **3005317** |
| UAS-K5 SUPPORT (9) | 43.31 | 1100 | **3005316** |




Threaded Rod

Extension Unit

Steel Dowel

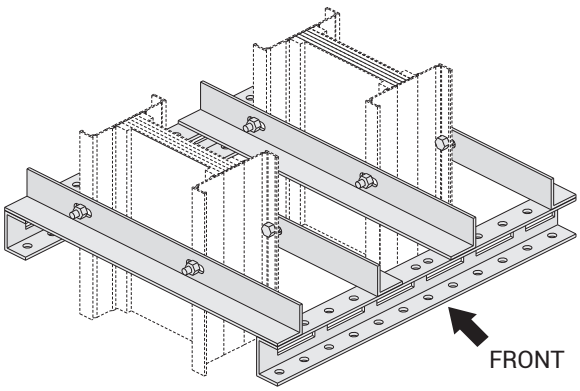
Diameter of the hole to be drilled
M10.....Ø0.55in
M12.....Ø0.63in

Steel Nut

Washer

**Connection Units**

| Description | L | | Code |
|---|---|---|---|
| | (inch) | (mm) | |
| BRA 12-05 Threaded Rod (M10) | 19.69 | 500 | **5000037** |
| BRA 12-10 Threaded Rod (M10) | 39.37 | 1000 | **5000032** |
| BRA 14-05 Threaded Rod (M12) | 19.69 | 500 | **5000026** |
| BRA 14-10 Threaded Rod (M12) | 39.37 | 1000 | **5000034** |
| BRA 13 Extension Unit (M10) | - | - | **1004312** |
| BRA 13 Extension Unit (M12) | - | - | **1004282** |
| BRA 9 Steel Dowel (M10) | - | - | **5000023** |
| BRA 9 Steel Dowel (M12) | - | - | **5000022** |
| M10 Steel Nut | - | - | **1000522** |
| M12 Steel Nut | - | - | **1000964** |
| M10 Washer | - | - | **1000504** |
| M12 Washer | - | - | **1000505** |

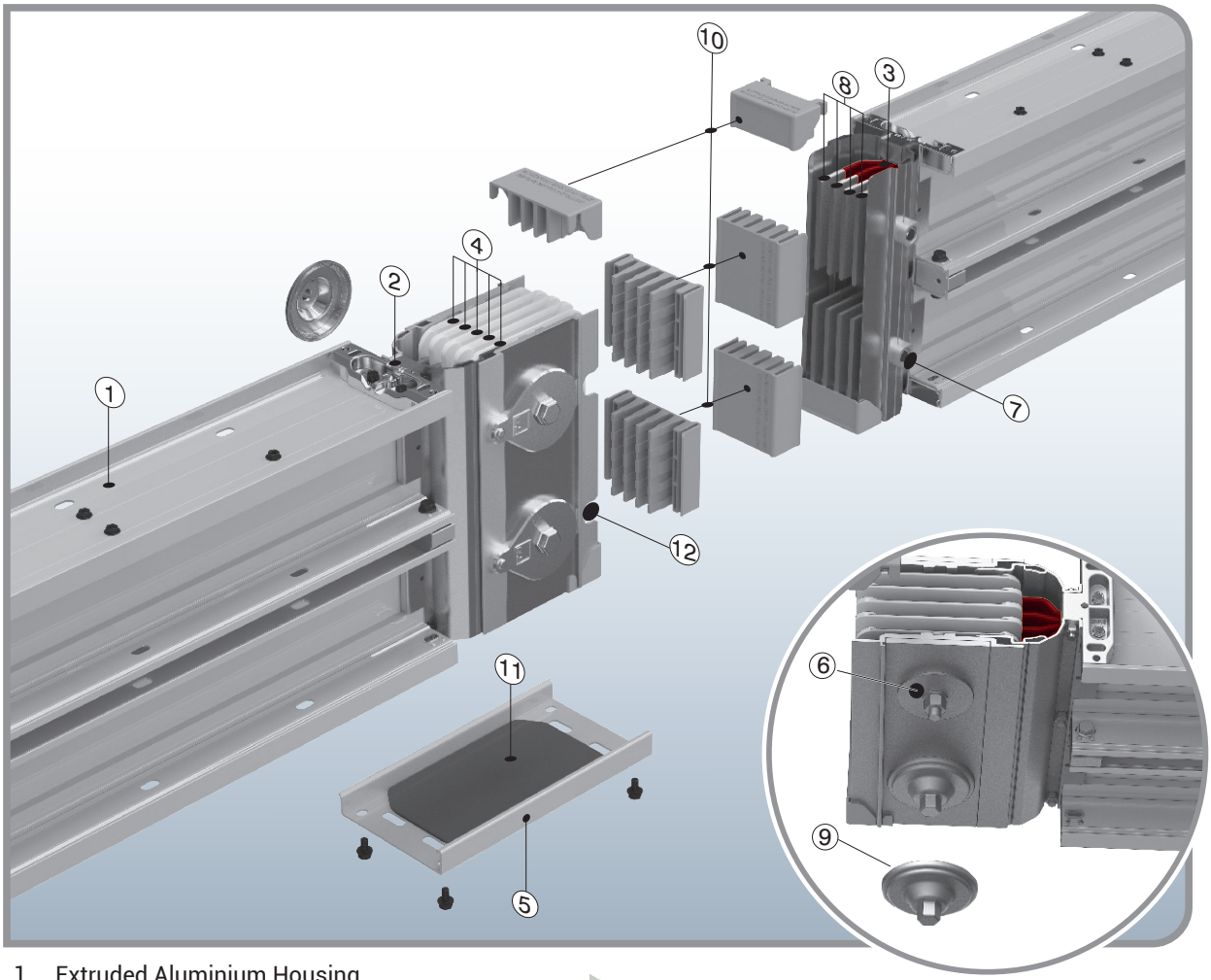



Vertical Riser Application
Sample Order Hanging
(Special to project)

■Please call us for non-standard components.

# E-LINE KX-III

## Joint Structure




1. Extruded Aluminium Housing
2. PE Fixing Piece
3. Insulation Layers (Epoxy+B class polyester film)
4. Joint Insulators
5. Joint Cover
6. Belleville
7. Alignment Pin (removable)
8. Conductors
9. IP55 Nut Locking Piece
10. Protection Plastic
11. IP55 Joint Cover Gasket
12. Alignment Pin Slot

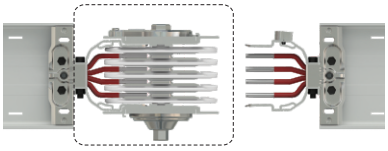


Figure 1 Block Joint

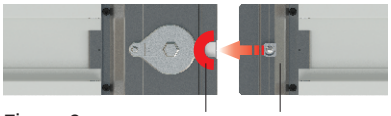


Figure 2 Alignment Slot Alignment Pin (removable)

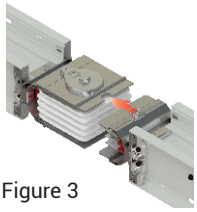


Figure 3

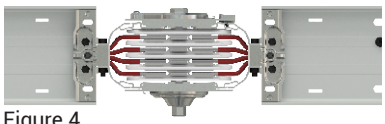


Figure 4 Joint assembly

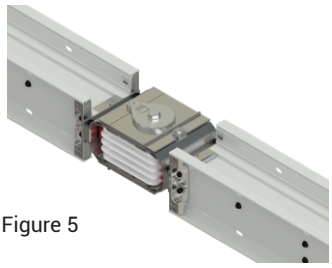


Figure 5

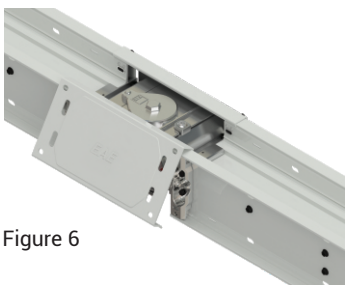
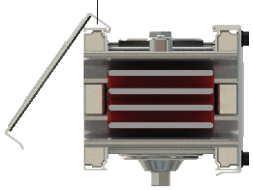


Figure 6

The joint cover is closed by leverage.



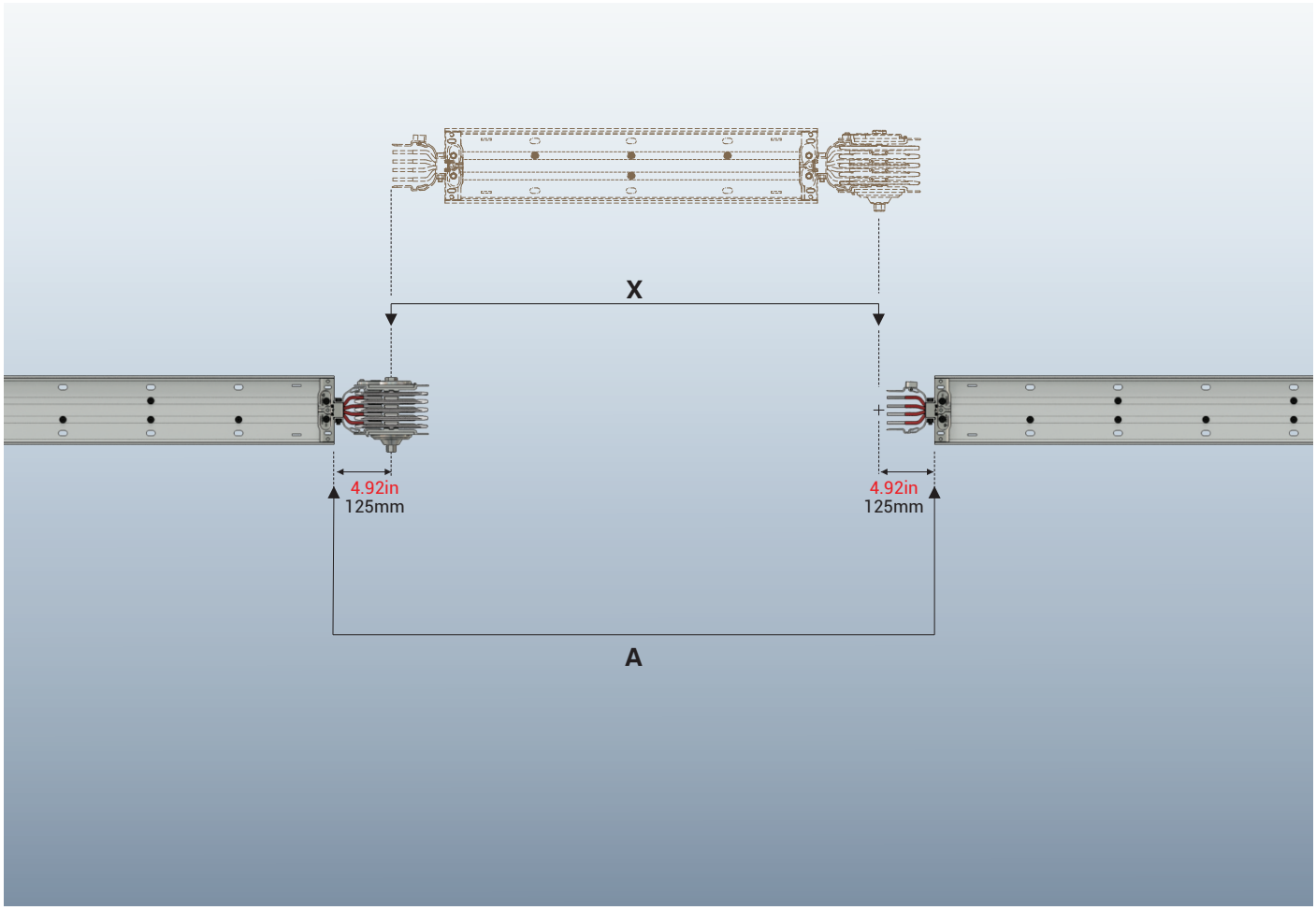
■Please call us for non-standard components.

# E-LINE KX-III

## Measuring a Special Length

After installation of standard busway 9.84ft/3m lengths, you will be in need of special lengths which are smaller than 9.84ft/3m. The minimum length for these special elements can be 13.78in/350mm. Please measure the lengths of these modules as shown below.

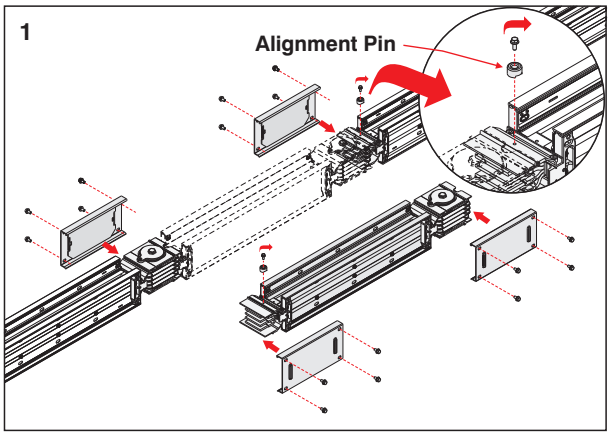
Length A is measured between housing of 2 busways in mm/inch. A, The special length is calculated by deducting 9.84in/250mm from this measured length.
X=A-9.84in (250mm)  X=Length of Special Busway (The busway module will be manufactured as per X value.)



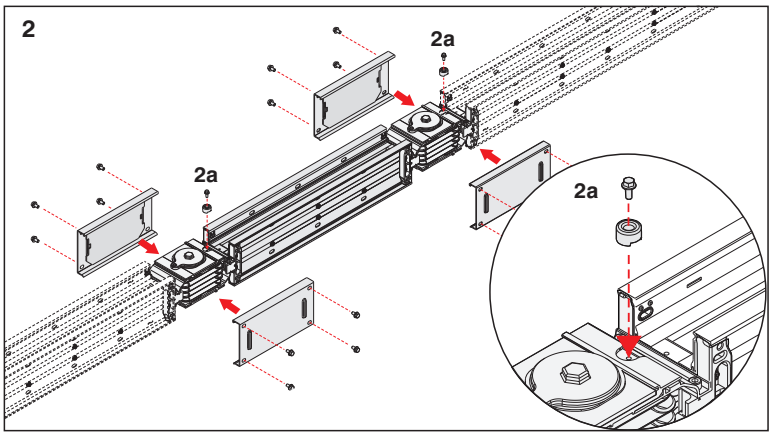

■Please call us for non-standard components.

# E-LINE KX-III

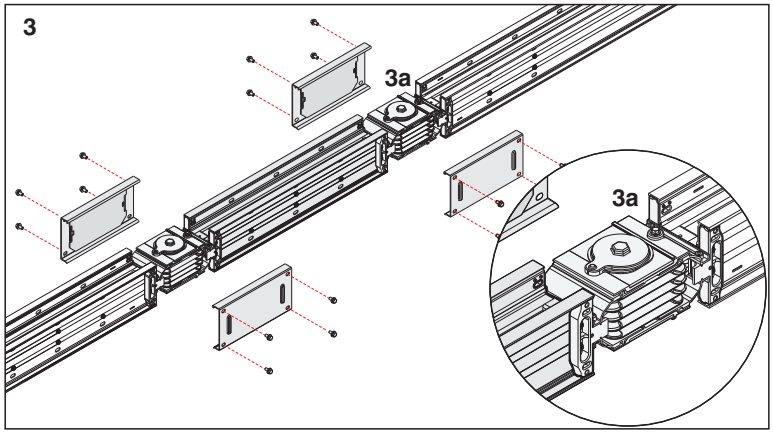
## Inserting "Make up Section"



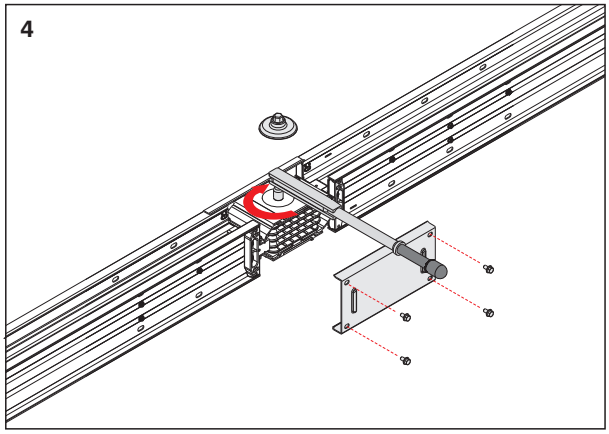

1- Remove Alignment Pin on the busway, without block joint.



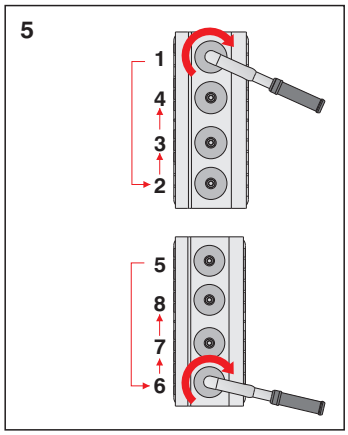

2- Insert the piece aligning conductors correctly, Fix back the Alignment pin.



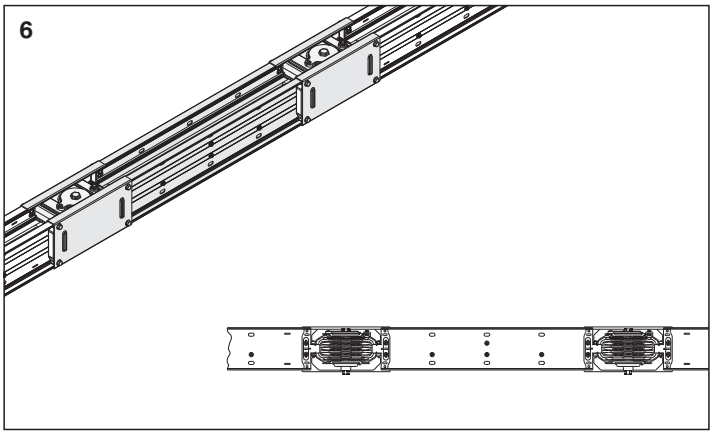

3- Make sure busway piece is aligned according to alignment pin.




4- Fix one of the joint cover to stabilize joint. Apply 61.2lb/60lbft to the main bolt.



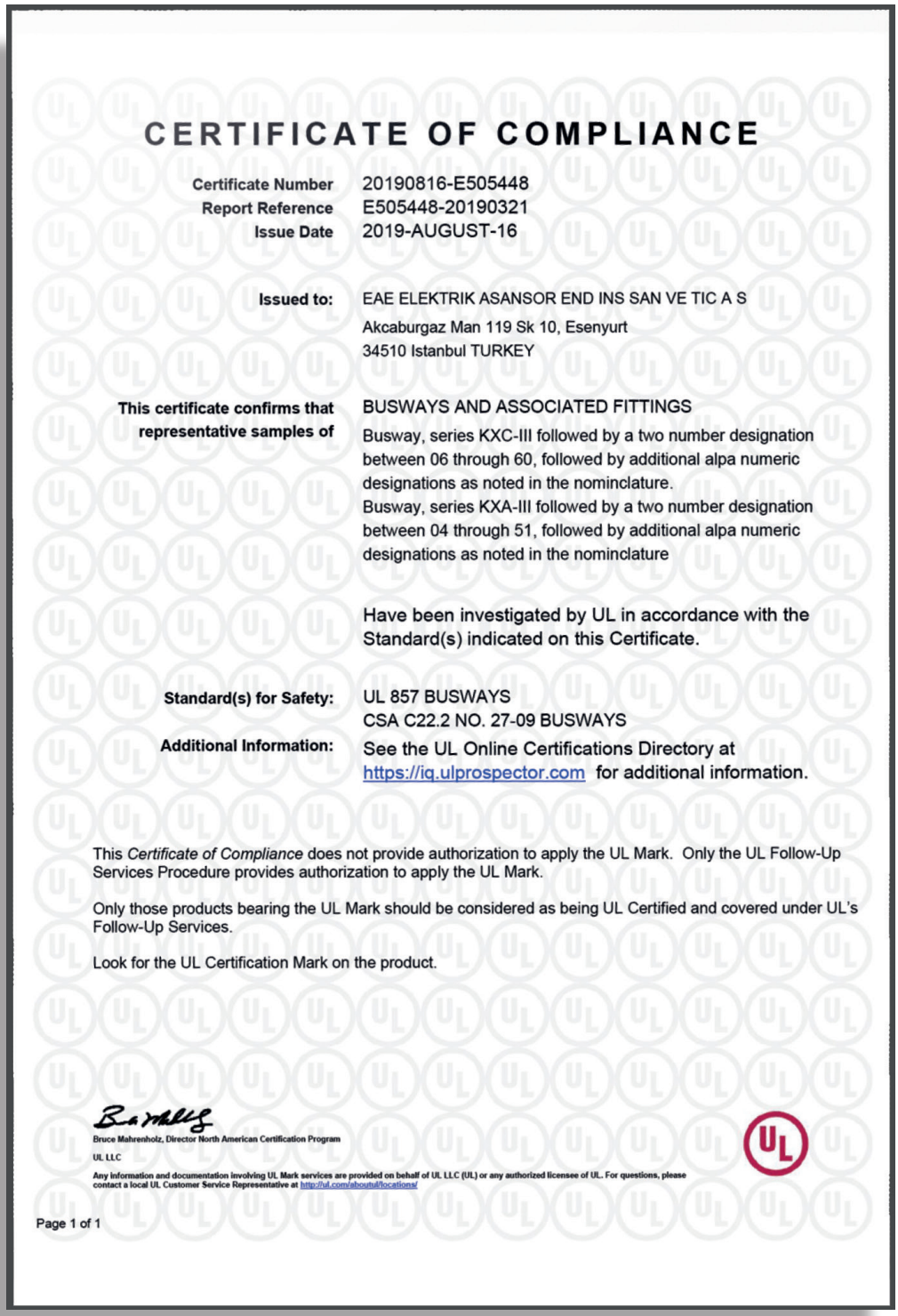

5- If there are more than one bolt for the same phase, bolts shall be tighten approximately at 14.7lb as per above sequence. Then 61.2lb shall be applied at final torque with the same sequence.




6- Fix the remaning joint cover.

Note: If the final joint cover does not close correctly, it indicates the busway is not completely aligned. Release the bolts and reapply the sequence from figure 4 to complete the joint.

■Please call us for non-standard components.



# CERTIFICATE OF COMPLIANCE

| | |
|---|---|
| **Certificate Number** | 20190816-E505448 |
| **Report Reference** | E505448-20190321 |
| **Issue Date** | 2019-AUGUST-16 |

**Issued to:** EAE ELEKTRIK ASANSOR END INS SAN VE TIC A S
Akcaburgaz Man 119 Sk 10, Esenyurt
34510 Istanbul TURKEY

**This certificate confirms that representative samples of** BUSWAYS AND ASSOCIATED FITTINGS

Busway, series KXC-III followed by a two number designation between 06 through 60, followed by additional alpa numeric designations as noted in the nominclature.
Busway, series KXA-III followed by a two number designation between 04 through 51, followed by additional alpa numeric designations as noted in the nominclature

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

**Standard(s) for Safety:** UL 857 BUSWAYS
CSA C22.2 NO. 27-09 BUSWAYS

**Additional Information:** See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure 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.

Bruce Mahrenholz, Director North American Certification Program
UL LLC

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# E-LINE KX-III

## Product Overview

### KX III–UL 400A – 6000A COMPACT BUSWAY PRODUCT FEATURES

**KX III–UL** busway system allows users to distribute electrical energy safely with 46 years of experience in design and manufacturing of busway systems. **KX III–UL**, features flexible power supply, short installation time, superior heat dissipation and electrical characteristics. Where shown on plans, furnish and install a totally enclosed, low-impedance busway system of the indicated ratings with all necessary fittings, power takeoffs, hanging devices and accessories.

**1- Standards & Certification**

- **KX III–UL** Busway system has been designed and manufactured as per UL 857 standard, which requires below listed tests. Each busway rating has been type tested individually and comply with recent UL 857 standards for all type tests and certified by independent authorized testing laboratory as UL including below test:
- Compliant for: CUL Listing
- Compliant for: National Electric Code (NEC)Article 364 – Busways 19
- Compliant: NEMA AB1, Molded Case Circuit Breakers and Molded Case Switches
- Compliant: NFPA 70 – National Fire Protection Agency
- EAE has ISO 9001, ISO 14001, OSHAH 18001, ISO 27001 and ISO 17025 certifications.
- All the required type tests for each rating according to IEC 61439-6 and certified with 3rd Party.
- Compliant: IEC 60364-1 Low-voltage electrical installations
- KX III–UL Busway has high flame resistance and circuit integrity properties under fire conditions according to IEC 60331, BS 6387, BS 8491 standards including joints and tap-off boxes.

**2- Electrical Characteristics**

- KX III–UL Busway systems nominal voltage is 600 V.
- Operating Frequency: 50/60 Hz
- 6 Cycle RMS Symmetrical Short Circuit Rating shall be:

For Aluminium Conductors;

- 400-630A : 50kA
- 800-1300A : 65kA
- 1600-2000A : 100kA
- 2500A : 125kA
- 3000A : 125kA
- 3200A : 200kA
- 4000A : 150kA
- 5000A : 200kA

For Copper Conductors;

- 630-1000A : 65kA
- 1250-2000A: 125kA
- 2000-6000A: 200kA

- Position: 100% rating for any horizontal or vertical orientation.
- The maximum hot-spot temperature rise at any point in the busway at continuous rated load shall not exceed 131°F

**3- Components**

**3.1- Housing**

- **KX III–UL** Busway system has "Sandwich-Compact" structure. Conductors are packed and placed into the housing without leaving air gap in order to provide low reactance.
- The housing shall be RAL7035-Electrostatic painted extruded aluminum to provide maximum protection against corrosion from water and other contaminants normally encountered during construction.
- The busway housing shall be of 100% aluminum construction to reduce hysteresis and eddy current losses.
- Busway housing shall have optional powder coating finish if required per project design,
- "Compact structure of the housing has been provided by M6 screws applied at every 7.48 in along the entire length.
- The sandwich-compact structure continues at the plug-in points too. There isn't any air gap between conductors at the plug-in points.
- The housing material and paint are selected with non-propagating properties.

**3.2- Conductors**

- Conductors: Individual isolated and insulated. Aluminum or Copper conductors are epoxy coated. All phase and neutral conductors joints and contact surfaces are plated tin (optinal Silver).
- Straight sections of feeder busway can be supplied in any length, from a 12.00-inch (350 mm) minimum to a 10-feet (3048 mm) maximum
- Bus bars shall be suitably plated at all joints and contact surfaces.
- KX III–UL busway system has aluminum conductors between 400A – 5000A,
- KX III–UL busway system has copper conductors between 630A – 6000A,
- KX III–UL busway system has the following number of conductors and wire configuration;
  - 4½ Conductors: (4 full size conductors + PE (50% earth conductor + housing)).
  - 3 Conductors: (3 full size conductors+ PE (housing) conductors).
  - 4 Conductors: (4 full size conductors + PE (housing)).
  - 5 Conductors: (4 full size + CPE (%100 clean earth + housing)).
  - 5 Conductors: (4 full size conductors + PE (100% earth conductor + housing)).
  - 6 Conductors: (5 full size conductors ( + PE (100% earth conductor + housing)).
- Phase conductors and neutral conductor have the same cross-section and they are insulated.
- Aluminum conductors are EC grade aluminum.
- The conductors may be ordered in copper (98% conductivity), Aluminium (58% conductivity).

**3.3- Insulation**

- Insulation system is suitable for 600 V continuous operation.
- Specially formulated Class B epoxy insulation has been applied as insulation material which provides high insulation resistance and high peak temperature resistance.
-The insulation process used is the spray insulation process which produces uniform application of the epoxy powder over the entire conductor bar. It is further enhanced by inline filter process and magnetic separator that help to eliminate contaminants common to fluidized bed systems.
- Epoxy is UL V0 class and halogen and toxic free properties.
- All insulators must be UL recognized.

**3.4- Joint Structure**

- KX III - UL Busway, ensures contact pressure at the joint by special EAE belleville spring washers.
- All parts of the joint structure are plated with tin against contact losses due to corrosion in order to get safe and reliable earth connections and have very low resistance values entire length.
- It shall be possible to make up a joint from one side in the event the busway is installed against a wall or ceiling. The joint shall be so designed as to allow removal of any length without disturbing
adjacent lengths.

**3.5- Accessories and Components**

- All system components including Tees, flanges, Reducers, Expansion joints and Elbows etc. shall be of the same material from the same manufacturer.
- End pieces and end caps will be provided to install at the ends of each line.
- KX III–UL Busway system has all necessary accessories (elbows, offsets, panel-transformer connections, reductions, etc.) EAE supply special dimensioned units in short time, if the project conditions require.
- For horizontal runs, a horizontal expansion unit will be used at every 40m and at the building expansions.
- For vertical applications, a vertical expansion unit will be used at every floor. Busway system must be rigidly fixed by supports at every floor.
- Horizontal runs of busway shall be UL Listed for hanging on 10-foot (3.05 meters) centers in any position. Vertical riser runs of busway shall be supported with rigid hangers in positions indicated on plans (max 16'/4.88 meters) centers.

## Notes

# 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

**EAE USA**
2000 Mountain Industrial Blvd,
Tucker, GA 30084
Phone : +1(770)-6964803
Email : info@eaeusa.us

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