General Overview

SINCE 1973...
EAE Group started its journey in the electricity industry in the factory located in Güngören when EAE Elektrik A.Ş. was established in 1973. As a result of the increasing demand for output capacity, production was moved to a modern facility in İkitelli in 1995. In 2001, the factories located in Esenyurt were put into operation, which substantially increased its production area.

The product development of all of the EAE Group of companies is carried out by the EAE in-house R&D Department.

The EAE Group has added strength to its professional staff in all areas of the business which now employs more than 2000 people. EAE is amongst the leading companies in the electrical products market.

The Group performs its activities in accordance with ISO 9001 Quality Management Standard and ISO 14001 Environmental Standard. The electrical devices the Group produces conform to world standards and are certified through tests conducted by KEMA and CESI labs.

CONTINUOUSLY GROWING
Growing at a rapid and steady pace since it’s establishment, the EAE Group incorporated EAE Aydınlatma A.Ş. in 1983, EAE Makine in 1996, EAE Elektroteknik in 2004, EAE Teknoloji in 2009 and increased its volume and range of production.

The EAE Group steadily expanded its sales network to even wider areas and incorporated. EAE ITALIA, which it established in Milan, in 2007 for the sales and marketing of its products. EAE Group incorporated EAE Russia in 2013 when the Factory was located in Alexandrov near to Moscow.

WIDE DEALER NETWORK
The Group has branches and authorized dealers in İstanbul, Ankara, Konya, İzmir, Bursa and Gaziantep in Turkey and abroad in Russia (Moscow), UAE (Dubai, Abu Dhabi), India (Bangalore, Mumbai, New Delhi), Saudi Arabia (Jeddah, Riyadh and Cairo).

From Britain to Taiwan, EAE Group has distributors and authorized dealers in 65 countries. With its extensive experience and customer-oriented service policy, EAE Group is proud to be one of the leading electrical equipment producers through the products it manufactures at 6 plants in Turkey and 1 plant in Russia.
EAE REFERENCES

ABKHAZIA
AFGHANISTAN
ALBANIA
ALGERIA
AUSTRALIA
AZERBAIJAN
BAHRAIN
BELARUS
BENELUX
BOSNIA AND HERZEGOVINA
BULGARIA
CAMBODIA
CENT. AFRICAN REP.
CHILE
COLOMBIA
CONGO
CROATIA
CYPRUS
DENMARK
EGYPT
ESTONIA
ETHIOPIA
FINLAND
FRANCE
GEORGIA
GERMANY
GHANA
GREECE
GUINEA
HUNGARY
ICELAND
INDONESIA
IRAQ
ITALY
JORDAN
KAZAKHSTAN
KENYA
KOSOVO
KUWAIT
KYRGYZSTAN
LATVIA
LEBANON
LIBYA
LITHUANIAN
MACEDONIA
MAURITANIA
MAURITIUS
MEXICAN
MOLDOVA
MOROCCO
MYANMAR
NETHERLANDS
NIGERIA
NORWAY
OMAN
PAKISTAN
PALESTINE
PERU
POLAND
PORTUGAL
ROMANIA
RUSSIA
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SYRIA
TAIWAN
TAJIKISTAN
TANZANIA
TATARISTAN
THAILAND
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UKRAINE
UNITED KINGDOM
UZBEKISTAN
VENEZUELAN
VIETNAMESE
YEMEN
WAYS OF POWER DISTRIBUTION...
COMPACT BUSBAR DISTRIBUTION SYSTEM

ELINEKX Compact Busbar Distribution System 400...6300 A

Overview
The EAE E-Line KX Series compact busbar system is designed for use in projects requiring high power distribution, and is rated from 400A to 6300A using the latest technology.

Features:
- Modular structure
- Ability to supply energy either from the joints of from the tap-off points (Bolt-on or Plug-in)
- High electrical and mechanical strength
- The compact structure offers many benefits in the installation
- The use of tap-off units reduces the size and cost of the switchboards required
- Output units allow a significant saving about panel and system cost
- Special design for minimal voltage drop
- Tin plated aluminium or copper conductors
- IP 55 protection degree
- Aluminium housing
- Epoxy insulation
- Fire resistance as per IEC 60331

Advantages of E-Line KX Compact Busbar:
- High short circuit resistance due to compact construction
- Less voltage drop in comparison to cable systems
- Special alloy metal enclosure provides higher mechanical strength and causes less electromagnetic interference.
- Better cooling capability
- High resistance to fire
- Seismic resistance
- Protection Degree (IP55 standard and IP67 optional)
- Requires less space in comparison to cable systems

Applications:
- Production areas in factories
- Textile factories
- Iron-steel and industrial glass factories
- Automotive and automotive sub-industries
- Malls
- Exhibition areas
- High rise buildings
- Hotels
- Hospitals
- Business centres
- Oil&Gas plants
- Data centres
**ELINECR** Compact Busbar Distribution System 630...6300 A

**Overview**
The body of the E-Line CR busbar is formed using DURACOMP, a composite material of epoxy resin and pure silicon which gives protection against arduous environments and high impact.

**Features:**
- IP68 / IP69K protection degree
- 4, 5 and 6 conductor options
- Clean earth option
- IEC 60331-1, 3 hours of continuous current under fire condition
- Conformance to seismic requirements in accordance with IEC 60068-3-3 and IEC 60068-2-57 and IEEE 693 standards

**Applications:**
- Links between transformers and switchboards
- Oil and gas plants
- Nuclear plants
- Cement plants
- Power plants
- Harbours and shipyards
- Food processing plants
- Tunnels and underpasses

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**ELINEKB** Compact Busbar Distribution System 800...6300 A

**Overview**
The E-Line KB range compact busbar systems are used for vertical and horizontal distribution and transmission of power in facilities where large amounts of power are required.

**Features:**
- Modular structure
- Ability to supply power from either the joints or the tap-off points (Bolt-on or Plug-in)
- High electrical and mechanical strength
- The compact structure provides many benefits in the installation
- Fast, easy and reliable installation by one bolt joint construction
- The use of tap-off units reduces the size and cost of switchboards required
- Special design for minimal voltage drop
- Aluminium or copper conductors
- IP 55 protection degree

**Applications:**
- Production areas of factories and main energy centres
- Automotive plants
- Automotive sub-industries
- High-rise buildings
- Skyscrapers
- Hotels
- Hospitals
- Business centres
- Shopping centres
- Iron and steel plants
- Shipyards
- Power plants
**ELINEKO-II** Busbar Distribution System 160...800 A

**Overview**

"E-Line KO Series" medium range busbar systems provide suitable solutions for electricity transmission and distribution in medium-sized buildings or industrial facilities. They can be used in horizontal or vertical applications. Tap off box solutions comprise sheet metal boxes with circuit breakers, or plastic boxes for small currents which are compatible with Miniature Circuit Breakers.

**Applications:**
- Production areas in factories
- Textile plants
- Furniture plants
- Automotive plants
- Automotive sub-industry
- Shopping centres
- Exhibition centres
- High-rise buildings
- Hotels
- Hospitals
- Business centres
- Data centres

**Features:**
- Modular structure
- Plug-in tap off outlets at every 25 cm
- Aluminium or copper conductors
- 4, 4.5 or 5 conductors
- Tin plated conductors
- Dust cover on outlet points
- IP 55 protection class
- Single shear head bolt joint

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**ELINEMK** Busbar Distribution System 100-160-225 A

**Overview**

The small power range busbar systems of "E-Line MK Series" provide flexible and cost-effective solutions for the transmission and distribution of electricity in small-sized enterprises, workshops and industrial facilities.

**Applications:**
- Small enterprises
- Local production areas in factories
- Workshops
- Textile plants
- Automotive plants
- Automotive sub-industries
- Small-sized industrial plants
- Shopping centres
- Large markets
- Data centres

**Features:**
- Modular structure
- Plug-in tap off outlets at every 25 cm on both side
- Tin plated aluminium or copper conductors
- 4 or 5 conductors
- Hinged and lockable dust cover on outlet points
- Installation without using a torque wrench (shearhead bolts)
- IP 55 protection class
- Flexible elbows and expansion modules
**E Line DL** Multi-conductor Lighting Busbar Systems (25-32-40 A)

**Overview**
The E-Line DL range of busbar systems are used in buildings on lighting and socket circuits where 25A, 32A or 40A Three-phase or Single-phase power is required. 10-16A plugs or 25A tap-off boxes with a cartridge fuse or miniature circuit breaker are specially designed to supply lighting and power circuits as per the specifications.

**Features:**
- Flexible conductor configuration
- Fast, easy and reliable installation
- (5+5) 10 conductors option
- Tap-off plugs are available in different colours to indicate the phases
- Strong body structure which can support all types of luminaires
- Double-sided 8 output points on busbar (4+4)
- IP55 protection class
- Clean Earth "CE" conductor for UPS circuit

**Applications:**
- Production plants
- Warehouses
- Logistics centres
- Sport complexes
- Exhibition centres
- Congress halls
- Shopping centres
- Parking areas

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**E Line KAP** Plug-in Busbar Distribution System 40-63 A

**Overview**
The E-Line KAP small power busbar range offers extremely economical solutions for the distribution of power in small enterprises and confection plants. The KAP range is ideally suited to supply low power machinery such as sewing machines, hand tools and machine tools.

**Features:**
- Conductors are electrolytic copper tin plated and insulated along their full length with a self-extinguishing plastic sleeve. (formation of copper oxide is inhibited)
- Fast, easy and reliable installation
- Standard 4 or 5 conductor
- Tap-off plugs are available in different colours to indicate the phases
- Plugs and tap-off boxes are designed with different contact sequences to avoid interchangeability problems
- The joint contacts are silver plated and highly oversized in comparison with the nominal current to withstand in total safety possible short term current peaks
- One plug-in output point at standard 75cm intervals

**Applications:**
- Production and storage areas in factories
- Confection plants
- Workshops
- Local display areas in large markets
- Small industrial plants
- Shopping centres
CABLE TRAY SYSTEMS

Overview
EAE cable tray systems; offer functional and economical solutions for reliable transport and distributing of cable. Architectural detail can be easily applied to all kinds of materials with a variety of accessories. Provide easy and quick installation roof, ceiling, wall details to ensure with various suspension elements. Cable channel system and straps are made of high-quality production systems based on international standards and automation. Usage varies according to the area and environment. According to this:

ELINEUKS Cable Tray Systems

Applications:
• Warehouses
• Workshops
• Car parking areas
• Markets
• Business centres
• Industrial plants
• Similar work places and spaces

Features:
• Heavy duty type
• Standard H:40mm or H:60 mm heights (can be produced upon request: 50-75-100 mm)
• 50/100/150/200/250/300/400/500/600 mm widths
• 0,8/1/1,2/1,5/2 mm thinknesses
• 1500-3000-4000-5000-6000 mm lenghts
• According to the TS EN 10143 standard galvanized option (pregalvanized)
• Possibility to connect the various accessories that 20,5 diametres hole in the middle of the tray
• Wide range of accessories
• Fire resistance certificates (E30-E60-E90)
• Galvanized steel painted finish available on request (epoxy, epoxy polyester, polyester)

Overview
E-Line UKS series Pre-galvanized cable Trays are produced as heavy duty types in accordance with TSE and ISO 10143 standards. Products can be manufactured as single pieces up to 6 metres long as they are produced using the roll forming method. Standard lengths are produced as 3 metres lengths. Products are designed to carry the cabling in the interior areas of plants and buildings.

ELINEUKF Cable Tray Systems

Applications:
• Acceptable internal environment
• Offices
• Hotels
• Hospitals
• Shopping centres
• Warehouses
• Conference centres
• Banks

Overview
E-Line UKF series Form Cable Trays are designed to carry the cabling in the indoor areas of plants and buildings. Load carrying capacity can be increased by shaping the steel. Thus, very economic products with the same load carrying capacity can be produced by using thinner gauge steel compared to the standard sheet thicknesses. They can be produced as pre-galvanized or hot-dip galvanized.

Features:
• Heavy duty type
• Special forms are available in thinner gauge steel with the same load capability as standard thicker trays
• 100-200 mm widths (0,8 mm thinkness), 300-400 mm (1mm thinkness), 500 mm (1,2mm thinkness)
• Standard 3000 mm lenghts H:40mm and H:60 mm heights
• According to the TS EN 10143 standard galvanized option (pregalvanized)
• Wide range of accessories (compatible with UKS accessories)
• Fire resistance certificates (E30-E60-E90)
• Galvanized steel with painted finish available on request
**ELINETKS** Pre-galvanized and Painted Trunking Systems

**Overview**
E-Line TKS series trunking cover cable trays systems are used for cabling in indoor environments. They are manufactured as pre-galvanized or painted. The cover is easily mounted thanks to the special lock system. Mounting the modules on trays is quick and simple.

**Features:**
- Heavy duty covers and locked non perforated structure
- 3 locking points every 3 metres
- Possibility of the quick lock cover
- H:50-75-100 and 150 mm heights
- 50/75/100/150/200 mm widths
- 1,2 mm and 1,5 mm thickness
- Providing resistance to the passage of the grounding continuity reducer coupling (which is important for data and telephone cables.)
- 3000 mm lengths
- Pre-galvanized or painted standard RAL 7038 (stainless products on request)
- Wide range of accessories

**Applications:**
- Acceptable internal environment
- Connection between machines
- Banks (IT centres)
- Required mechanical and UV protection areas

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**ELINECT** Hot-Dip Galvanized Cable Tray Systems

**Overview**
E-Line CT series hot-dip galvanized cable trays are designed to carry the cabling in indoor or outdoor installations internally or externally in factories and buildings, especially in humid or vaporous environments. They can also be produced as pre-galvanized upon request.

**Features:**
- Heavy duty and regular types
- 40/50/60/75/100/125/150 mm tray heights
- 50/100/150/200/250/300/400/500/600 mm widths (700-800-900 mm special widths on request)
- 0,8/1/1,2/1,5/2 mm thicknesses
- 3000 mm length (6000 mm special length on request)
- Plug cover structure (CTK)
- TS EN ISO 1461 standard hot-dip and after special EAE protective coating over hot dip
- Possibility to connect the various accessories that 20,5 diametres hole in the middle of the tray
- Wide range of accessories
- Fire resistance certificates (E30-E60-E90)
- Galvanized steel with painted finish available on requests

**Applications:**
- Acceptable for internal and external environments
- Industrial and power plants
- Skyscrapers
- Textile and confection plants
- Automotive plants
- Shopping centres
- Hospitals
- Airports
- Conference centres
- Oil & Gas plants
- Tunnels; rail systems, bridges, underpasses
**ELINE KC** Hot-dip Galvanized Cable Ladders

**Overview**
The E-Line KC range is designed to carry the cabling for indoor or outdoor applications in factories and buildings, in wet, humid or vaporous environments especially on vertical shafts.

**Features:**
- Heavy duty type
- 40/50/60/75/100/125/150 mm heights
- 50/100/150/200/250/300/400/500/600 mm widths (700-800-900/1000 mm special widths on request)
- 1,5/2 mm thicknesses
- 300 mm equally spaced traverse structure and same thickness of the cheek
- 3000 mm length (special length)
- TS EN ISO 1461 standard hot-dip and after special EAE protective coating over hot dip on request
- Wide range of accessories
- Fire resistance certificates (E30-E60-E90)
- Galvanized steel with painted finish available on request (epoxy, epoxy polyester, polyester)

**Applications:**
- Suitable for internal and external environment
- Industrial plants
- Skyscrapers
- Textile and confection plants
- Automotive plants
- Shopping centres
- Hospitals
- Conference centres
- Parking areas
- Oil & Gas plants
- Tunnels; rail systems, bridges, underpasses

**ELINE KM** Pre-galvanized and Hot-dip Foldable Cable Ladders

**Overview**
E-Line KM pre-galvanized / hot-dip foldable cable ladders are featured with one-way folding. Thanks to this, they take up much less space than the E-Line KC series cable ladders. This reduces shipment and storage costs.

**Features:**
- Heavy duty type
- 40/50/60/75/100/125/150 mm heights
- 100/200/300/400/500/600 mm widths (700-800-900-1000 mm special widths on request)
- 3000 mm length (6000 mm special length on request)
- TS EN ISO 1461 standard hot-dip and TS EN 10143 standard pre-galvanized production
- Load carrying capacity can be increased by giving shape to the sheet iron
- Products can be used along the side walls in horizontal suspended application. Thereby provides a significant cost advantage.
- 300 mm equally spaced traverse structure
- More cable space than traditional ladders with special traverse height
- Fire resistance certificates (E30-E60-E90)

**Applications:**
- Suitable for internal and external environment
- Industrial plants
- Skyscrapers
- Textile and confection plants
- Automotive plants
- Shopping centres
- Hospitals
- Conference centres
- Parking areas
- Oil & Gas plants
- Tunnels; rail systems, bridges, underpasses
Eline TLS: Wire Mesh Cable Trays

Overview
E-line TLS series wire mesh cable trays allows for downward outputs and to the right or left between the wires to be easily made thanks to the cage structure of wire mesh tray systems. Products are produced as stainless steel or electro-galvanized plated options.

Features:
- 35-55-100 mm heights
- 4-5 mm thicknesses of horizontal and vertical wires
- Product structure is formed by a combination of wires from 100mm in the vertical direction, 50mm in the horizontal direction
- Electro-galvanized and stainless production (hot-dip on request)
- Possibility of ready to turn components, external cutting-combining methods and modules
- 3000 mm length

Applications:
- Food plants
- Data computing rooms
- Raised floor applications

Eline A-A: Support Systems

Overview
E-Line A-A series and E-Line Seismic Bracket Systems are designed to hold systems such as Busbars, Cable Trays, Cable ladder etc. in buildings and factories, concrete and steel structures in a proper way. Range of light-duty and heavy-duty brackets is available as per the weight of the system to be held. It is possible to design support systems and shaft supports specific to the requirements and to provide solutions for the requirements of construction sites.

Features:
- Range of certified seismic supports
- Range of light-duty and heavy-duty supports
- Production with a thickness between 2 mm and 6 mm (single rod supports are produced with a thickness of 1.5 mm only)
- Pre-galvanised and hot dip galvanised options
- Hot-dip manufacturing for all welded supports
- Load deflection graphs where carrying capacities of all supports are shown
- Covering of connection elements of consumables such as rods, bolts, nuts etc. that would stand speed testing of 400 hours to prevent corrosion
- Special production of supports
- Supports certified for resistance against fire (E30, E60, E90)
Applications:

- Offices
- Workshops
- Stores
- Hospitals
- Laboratories
- Airports
- Schools

Features:

- FL Busbar; 32A, 250V Operating voltage
- Power or UPS Sockets; 16A, 250V (protected) (when plug installed interactive lock system)
- IP2X Protection Class (protection against dust and finger contact)
- Use of sockets in various colours for mains or UPS circuits
- Single phase single circuit (3 conductors); L+N+(PE) (65x28 mm)
- Single phase double circuit (6 conductors); L1+N1+(PE) / L2+N2+(CE) (65x45 mm)
- Easy and fast mounting (cutting and adding capability to the desired length in the construction site)
- Surface mounted and standard lengths are 1m and 2m
- Standard colours is white (RAL 9003). Can be produced in different colours and finishes on request.
- FLD is capable of containing data cables and enables to use data and telephone sockets on the housing without using socket mounting plates.

E SMART LINE

Overview

Aesthetic, safe, practical and flexible solutions eliminating cable mess...
FL Busbar Systems provide opportunity to get easy and secure energy without requiring additional cables; such as office, technology, markets, stores, hospitals, schools, workshops the desired and needed every point in living areas. In addition, the section with the cable has an excellent structure for purposes such as TV, data, telephone.

ELINESMART Multi-Outlet Extension Blocks

Overview

Products ensure high ease of use, depending on your personal needs and preferences with modular type power and low voltage sockets. Products are 5 different types, according to size in socket needs, universal and modular design makes it suitable to accept any brand of socket. Built-in type or free standing on the office desk and furniture; offers flexible and definitive solution for mains, UPS, data, telephone and multimedia needs.

Features:

- Equipped or can be equipped multi-extension outlet blocks
- Compatible structure with offices, meeting rooms, every desk and in specific work areas and open office furniture
- Energy and low-voltage sockets can be used optional wide cable terminations for today’s office needs
- Modular structure and innovative design with anodized aluminium body and polycarbonate covers.
- Modular structures and innovative design with anodized aluminium body and polycarbonate covers.

Applications:

- Banks
- Business centres
- Modern offices
- Hotels
- Hospitals
- Conference centres
- Courses
- Resorts etc.
**DABLINE** Raised Floor Power Distribution Systems (63-80A)

**Overview**
DABLINE busbar systems, which has different colour options, is used for raised floor applications in offices. The small size of DABLINE makes it possible to install the system into very narrow places even up to 50mm floor height.

**Features:**
- Plug-in outlets every 300mm or 600mm options,
- IP55 Protection class,
- Halogen Free plastics up to 960 °C Fire rating,
- Outlet points; in order to avoid interchangeability the busbars are designed with different contacts sequences at the tap-off points
- The springed contacts of busbar are silver plated,
- The conductors are fully insulated along their length which provides maximum personnel safety from extraneous damage
- IP 55 covers hinged on plug-in windows,
- 2, 3, 4, 5 conductor options (clean earth optional),
- Single Phase (for UPS and mains) 2 separate circuit possibilities for 2 separate busbars or for the same plug (mains, UPS),
- Addressable tap-offs in different colours for mains and UPS

**Applications:**
- Banks,
- Business centres,
- Modern offices,
- Hotels,
- Hospitals,
- Cinema and theatre buildings,
- Conference centres,
- Courses,
- Resorts etc.
- Any other application with a raised floor in the building.

**ELINEDK** Under-screed and Raised Floor Channel, Junction and Output Boxes

**Overview**
Raised floor power distribution systems save the chaos of cable from offices and similar work environments. Products provide aesthetics, a safe and easy cable distribution. Workplace and office can be easily adapted, increase capacity or change of position.

**Features:**
- Two different height options of under-screed cable channels: 25mm and 35mm
- 120/180/215/240/300mm channel widths
- Possibility to output up to 24 modules with plastic and stainless junction box cover sets on mounted to the junction box and outlet boxes (45x45mm or 22,5x45mm ups, network, data, phone sockets)
- Socket boxes made of fire resistant (flame not execute) material
- Possibility to level adjustment before and after screed in junction boxes
- 3 different colour options for service outlet boxes (grey, black, brown)
- Gasket protected windows and double-sided assembly cover structure for service outlet boxes
- Suitable for hard floors (parquet, ceramic, marble etc.) outlet service box options

**Applications:**
- Banks
- Offices
- Shopping centres
- Conference centres
- Schools and classrooms
- Data processing rooms
- Courses
- Cinemas, theatres etc.
E-Line TB series and URC series Trolley Busbar Systems are designed to supply power to moving machines. The busbar’s current reception carrier has carbon brushes and is mechanically fixed to the moving together with the machine.

**Applications:**
- Hoists and cranes
- Confection plants
- Moving assembly lines
- Automated warehouses
- Similar places

**Features:**
- 35A...250 A current ranges
- Standard 4 or 7-conductors (3, 5, 6 conductors on request)
- Uninterrupted copper conductors
- PVC body
- Standard 4 metre lengths

E-Line URC (Uni-Rail Conductor) Busbar systems are the systems where each conductor is installed as a separate line and the current reception cars act together with the machine that will use the energy to realize the continuous power reception.

**Applications:**
- Port, construction and industrial cranes
- AS/RS storage systems
- Moving playground systems
- Moving door and ceiling systems
- Installation and testing lines
- Monorail systems
- Lift system

**Features:**
- 90...1000A current ranges
- Aluminium, copper or galvanized steel conductors
- PVC exterior insulation
- 6 metres for aluminium conductors and 4 metres for copper and galvanized steel conductors are standard lengths
- Suitable for indoor and outdoor