

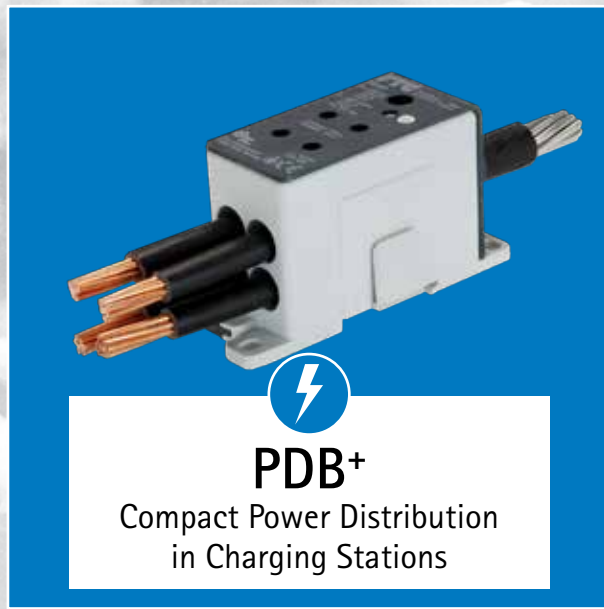


Industry Solutions

Wind- and Solar Energy, Mechanical and Plant Engineering, Switch Board Building, Infrastructure and Domestic Installations

Charging Stations

Simple Power Distribution for ⚡ - Stations



- + touch safe by incoming cable safety slide assures IP20 protection with all conductor sizes
- + adjustable dial allows phase designation
- + on DIN rail or directly on mounting plate



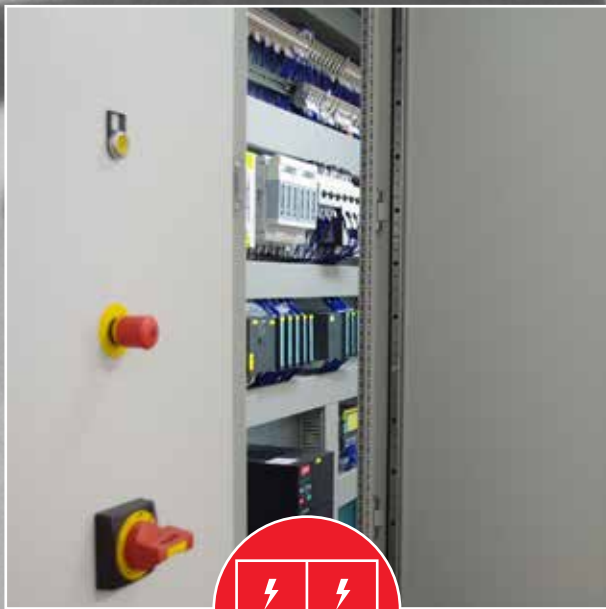
SMART
POWER
SUPPLY

Fill-up Energy
- the slogan of the future

The infrastructure of charging stations need more than only electricity. For an efficient power distribution and -connection components like small distribution blocks, busbars etc. of FTG in cabinets of charging stations are necessary!

Switch Board Building

Terminal Connection for Copper Bars



Steel Terminals
Terminal Connections for small and large cross sections

BKNA series
for Cu and Al conductors



BKEA - 300 mm²

- + mounting in an angle of 45°
- + for copper bars up to 30x10mm
- + combination of copper and aluminum conductors possible
- + 600A | 1000V AC/DC



Cross sections
1,5 mm² - 300 mm²



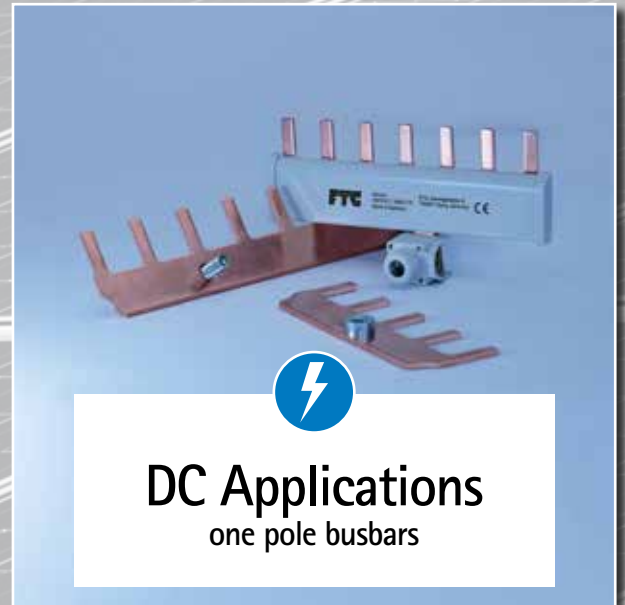
Vibration Resistance

For Big Cross Sections

The field of switch cabinet construction is very versatile. To connect large cross sections on busbar systems the BKEA offers optimal requirements for connecting conductors up to 300 mm².

Solar energy

Sunny Times

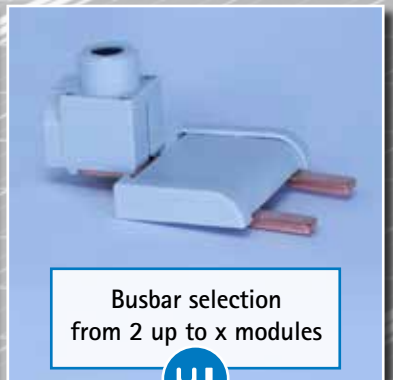


Direct Feed-in on busbars with feed-in block

up to
50mm²



- + 1 pole busbars up to 1500V DC | 150 A
- + Special busbar solutions
- + Feed-in in an angle of 90°, 180° and 270°
- + Cross sections of busbars up to 35 mm²



CLEAR AS
D★YLIGHT

Regenerative in the future

The heart of the photovoltaic system is the power distribution system. For secure connections busbars and feed-in blocks are needed for wiring of circuit protective devices.

Mechanical & Plant Engineering

Focus on Automation and Engineering

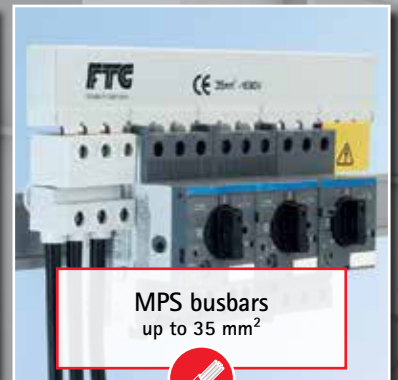


Motor Protection Switches
safe and easy wiring

Moulded busbars
for wiring of contactors



- + different auxiliary switches
- + 10 mm², 16 mm² and 35 mm²
- + in isolation or as moulded version
- + 690 V | 10 mm² - 63 A
16 mm² - 80 A
35 mm² - 125 A



MPS busbars
up to 35 mm²

**WIDE
PRODUCT
RANGE**

**Individual
Machine Packages**

For mechanical and plant engineering FTG offers not only busbars for MPS, but also further components like busbars approved by UL, Auxigaine, Terminals, row connectors or earthing material as prefabricated packages.

**Certified
by UL**



UL-Certification for devices of FactoryMation, ABB, Eaton and Siemens. UL pending for further devices, please contact us directly for more information!



Domestic Installations

Fireproof Manner

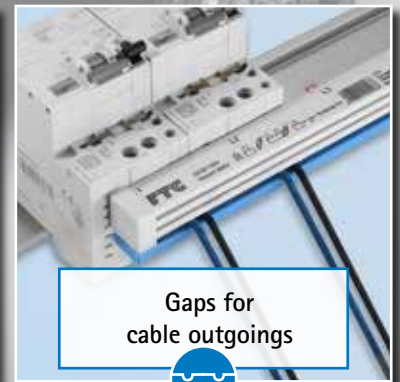



Upgrade
according to
DIN VDE 0100-420:2019-10


Phase sequence
individually selectable



- + clear and stable system
- + quick installation
- + high space savings
- + halogen free



Gaps for
cable outgoings



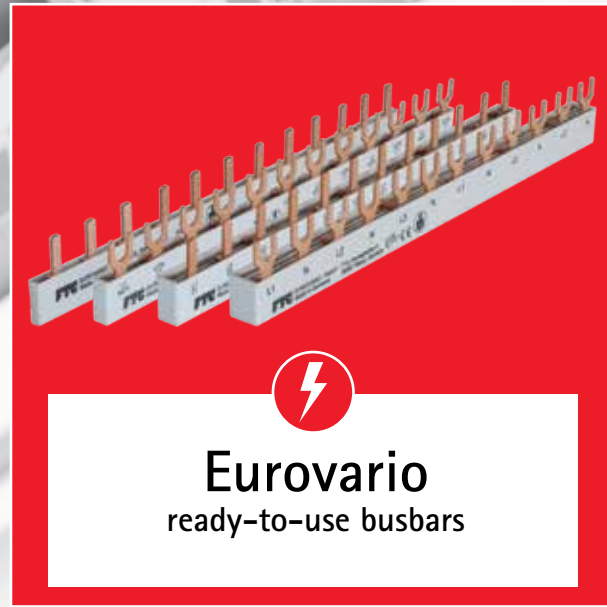
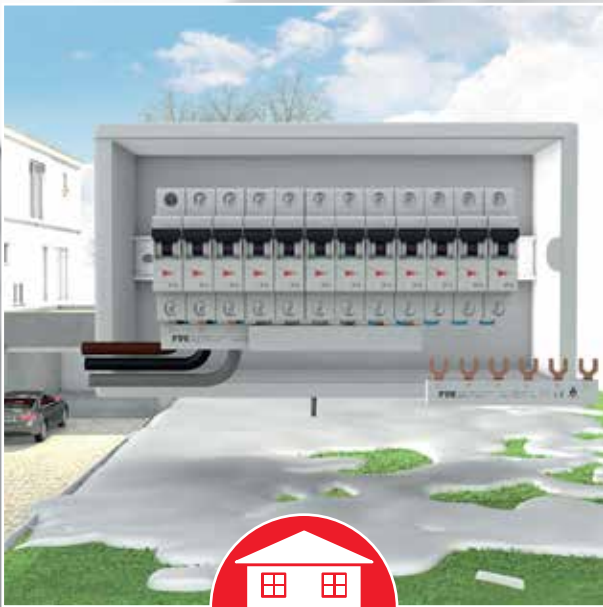
**BETTER
SAFE THAN
SORRY...**

...with AFDD Busbars

Arc fault detection devices in public buildings with high fire load should be retrofitted as of December 2017. Therefore AFDD busbars by FTG are now available in smaller widths for the latest devices.

Sub-Distribution

Classic Domestic Installation Made Simple

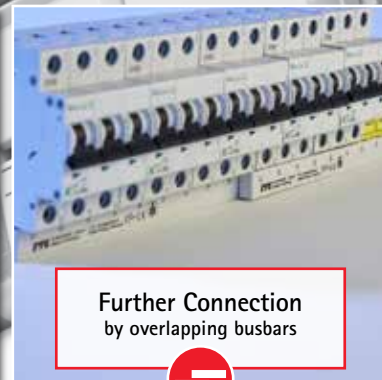


Eurovario
ready-to-use busbars

Cross sections
10 mm² – 25 mm²



- + prefabricated system
- + less busbars on stock by standard range
- + easy and quick installation by compact design
- + with welded terminal available on request



Further Connection
by overlapping busbars



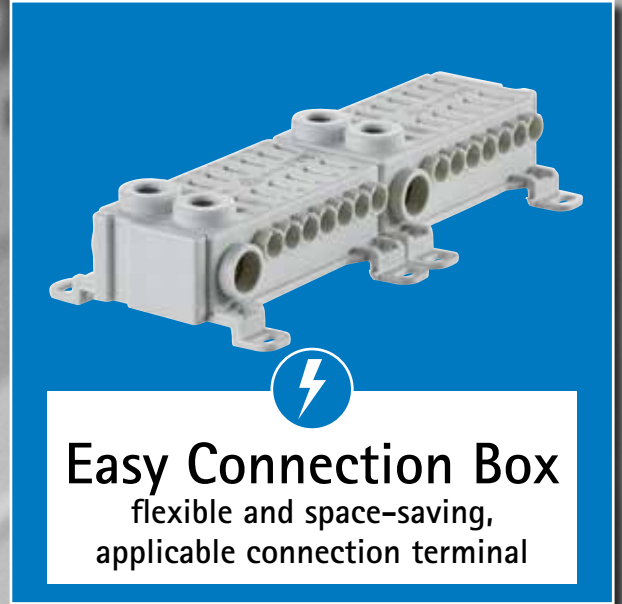
EurovarioEurovario
oinsvonwE

**Ready-to-use
busbar for extensions**

For extensions in domestic installations of buildings, additional switches can be connected by overlapping same additional Eurovario busbar without changing existing applications.

Building Technology

Space-saving installations



Easy Connection Box
flexible and space-saving,
applicable connection terminal



Installation
on DIN rail or mounting plate

IP20



Connections with screw-type and spring screwless clamping units



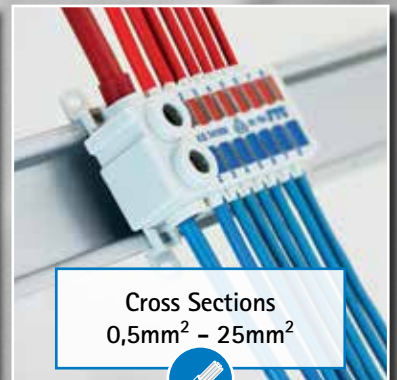
various sizes / versions



KS74x: up to 76 A | 450V
VDE Reg. No. 40025904



KS74Hx: up to 80 A | 690V DC
approved by VDE 0603-1



Cross Sections
0,5mm² – 25mm²



E A S Y
C O N N
E C T I O N
B O X

**More progress
through more space**

The small and compact terminal is very versatile. These are often used in the sub-distribution to protect the safety switches and additional FI switches.

Infrastructure

Easy Extension



Connection Terminals
for street lights, campsites
and shipping piers



High Protection class
KA42SP with splash protection

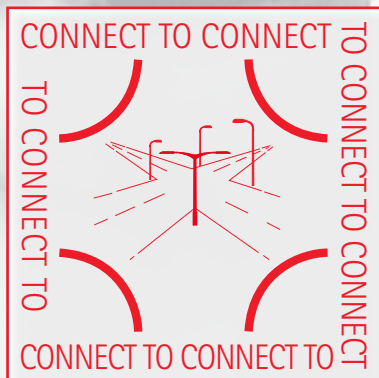
IP44



- + inexpensive ring connecting terminals
- + easy installation with DIN rail holder for KA50x series
- + space saving in the height of installation
- + for aluminium and copper conductors
- + 160 A (Cu) and 125 A (Al)



Cross sections
0,75 - 4mm² or 6 - 50mm²

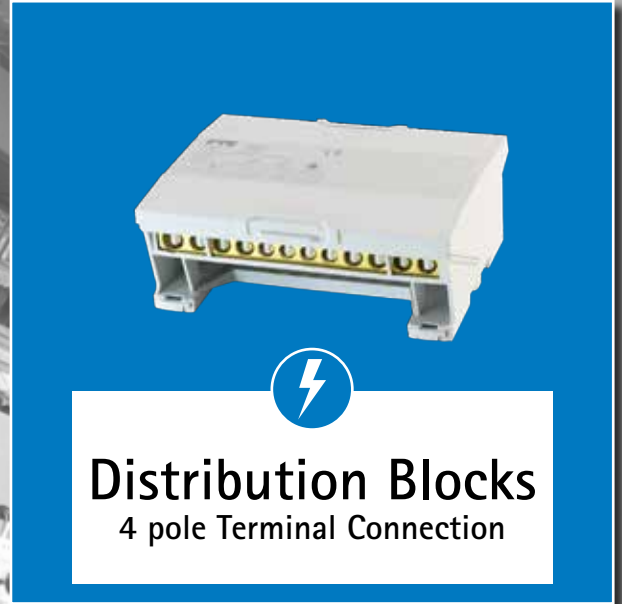


Universal Connection Terminal

Further Connections without an additional device are fast and simple to realize in terms of infrastructure. In addition to that, the LPDB terminals are also cost-effective for individual applications.

Switch Board Building

Central Power Distribution in Control Cabinets



Current Capacity
100 - 160 A, by IEC 60947-7-1

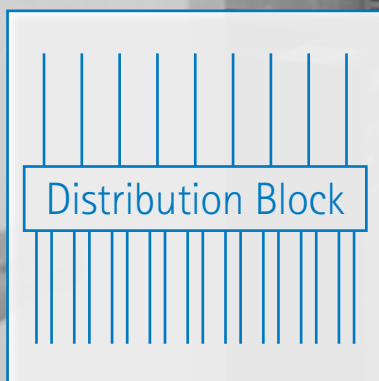
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Protection
Class IP20



- + lock slide for DIN rails, fitting covers for both positions
- + for up to 10 modules with 15 inputs
- + Additional terminal with 7, 12 or 15 inputs compatible with each PDB version

Cross Sections
1,5 mm² - 70 mm²



Intermediate piece for connection and distribution

This 4 Pole PDB offers a central power distribution point in control cabinets, the most efficient power distribution to fuse switches for a further connection on other electrical components.

Wind Power

Natural Power as an Source of Energy



Busbars for NH fuse switch disconnectors
Protection against short-circuit current

240 mm² - Busbars
in L-design



- + Designs: NH00 and NH000
- + for different devices
- + suitable feed-in terminals and NH fuse switch disconnector terminals
- + 690V | 35 mm² - 250A
50 mm² - 315A

Cross Sections
35 mm² - 240 mm²

FORCE
OF
NATURE

Use natural forces
in stormy times

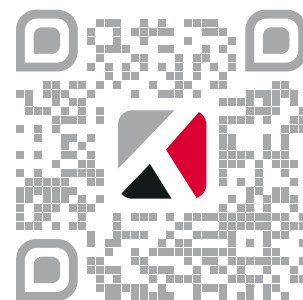
NH fuse switch disconnector busbars are used in main distribution panels of wind power plants to protect against short-circuit currents. For high cross sections up to 240 mm² FTG offers an alternative one pole busbar.

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- IEC
- UL (CSA)
- British Standard



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