

CUBIC

CU-FLEX



CU-FLEX FLEXIBLE BUSBARS

Tested flexible busbars

Cu-flex is made of copper wires that are woven to a flexible busbar. By the use of a patented technique, the ends of the busbar is forged to a solid unit, thus obtaining a contact surface that makes it possible to make maintenance-free connections.

CUBIC

TESTED FLEXIBLE COPPER BUSBARS

Cu-flex busbars ensure a prompt and professional execution of electrical connections. The busbars are supplied ready for use! This means that you do not have to spend time on shortening, stripping the wires, making holes, or complicated bends.

Cu-flex has been tested and approved under various circumstances by i.a. DEKRA and DNV.

In addition Cu-flex is UL recognized in category "Component - Panelboard and Switchboard Accessories".



ADVANTAGES WITH A CU-FLEX BUSBAR

- Delivered ready for use
- No shortening, stripping or making holes for fitting required
- Multi-flexible
- Rated current at 30°C, up to 1040A
- Lengths 160 - 1120 mm
- Time-saving installation
- Does not contain dioxins
- Up to 1000V

BUSBAR WITH A MINIMUM OF MAINTENANCE

A Cu-flex copper busbar is made of copper wires that are woven to a flexible busbar. CUBIC's patented technique forges the ends of the busbar to a solid unit. No tin or the like has been added.

Thus obtaining a contact surface that makes it possible to produce maintenance-free connections.



Connection:
Busbar to busbar



Connection:
Between electrical components.

AVAILABLE VERSIONS

Length \ Type	160	224	288	352	416	480	544	608	672	736	800	864	928	1120
FB25	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X	X	X	X	X	X	X	X
FB50	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X	X	X	X	X	X	X	X
FB100	X	X	X	X	X	X	X ²⁾	X	X	X	X	X	X	X
FB240	Length is not available		X	X	X	X	X	X	X	X	X	X	X	X
FB243			X	X	X	X	X	X	X	X	X	X	X ³⁾	X
Example: Type + length in mm = type No.: (X ²⁾) = FB100544 (X ³⁾) = FB243928														

¹⁾ Also available with green/yellow insulation

Type No.: PE-FB25XXX

PE-FB50XXX

DIMENSIONS

FB25 	FB50
FB100 	FB240 / 243 () = FB243 dimensions

MOUNTING PRINCIPLES

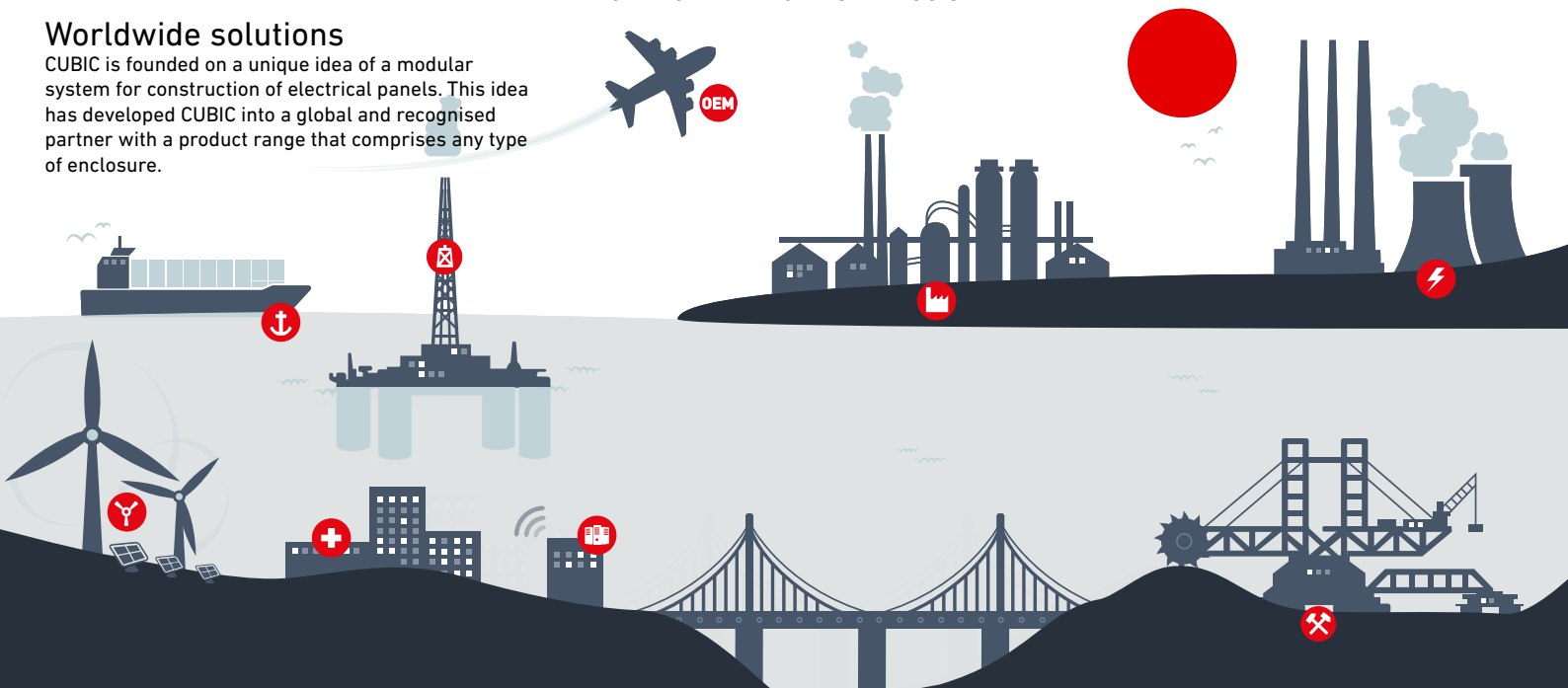
Spacer Due to the dynamic short-circuit influences, spacers must be fitted as stated. The distance between the spacers is max. 300¹⁾ mm.	Busbar connections at I > 630 A Terminal e.g. on component Fig. 1 Fig. 2 To ensure correct contact pressure, parallel busbars must be fitted, either by means of one bolt per busbar, fig. 1, or one on each side of the connecting terminal, fig. 2.
¹⁾ When Cu-flex is used according to UL standards, connection busbar to busbar, the distance is reduced to 200 mm.	

RATED CURRENT AT 30°C [In]

FB25	FB50	FB100	2 x FB100	FB240 FB243	2 x FB240 2 x FB243
190 A	295 A	420 A	645 A	690 A	1040 A

Worldwide solutions

CUBIC is founded on a unique idea of a modular system for construction of electrical panels. This idea has developed CUBIC into a global and recognised partner with a product range that comprises any type of enclosure.



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