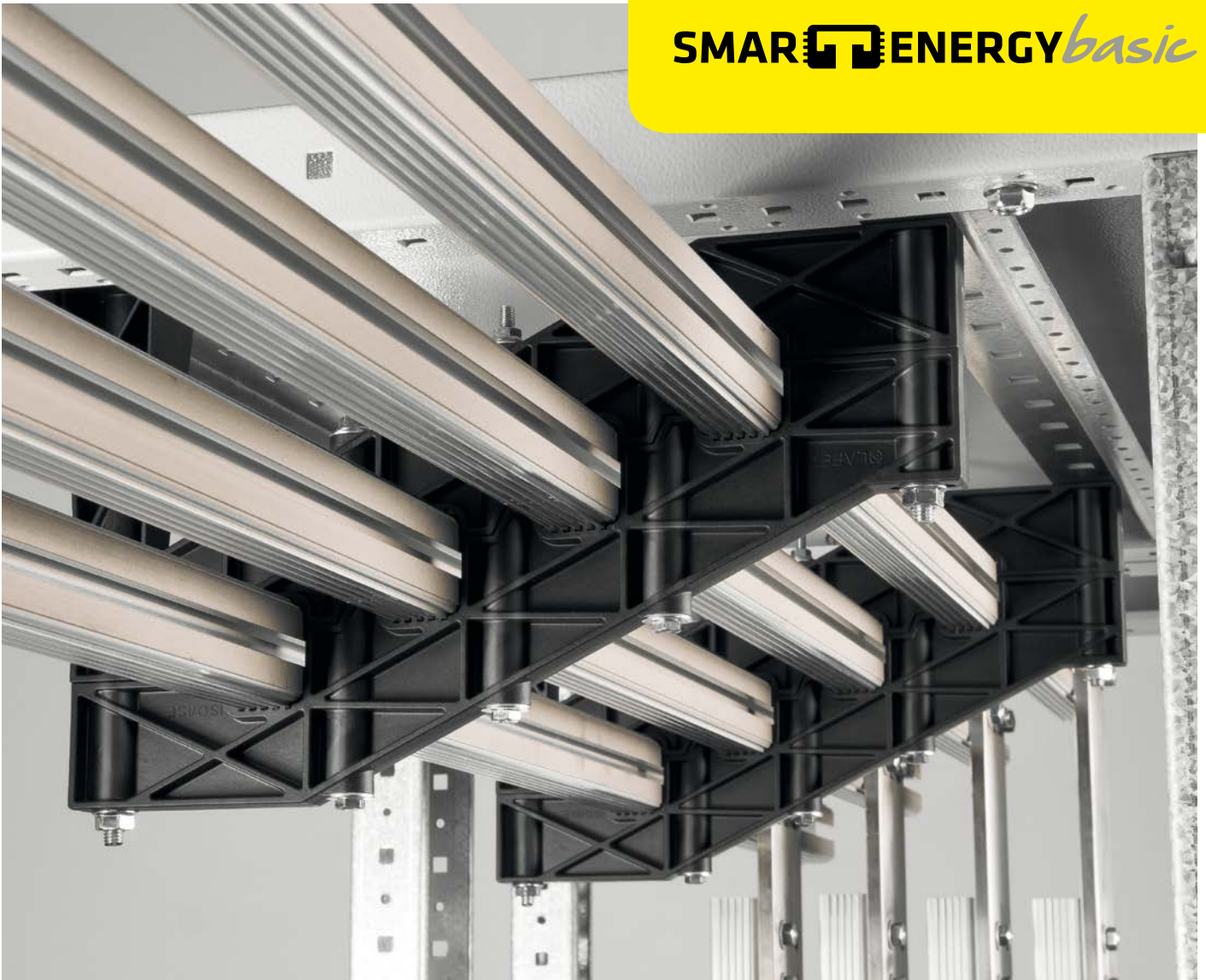




SMART ENERGY*basic*

Universal aluminium busbar system
up to 1250 A



Fast, cheap, versatile.

Main characteristics

- Anodized aluminium profiles 40x30 mm and nickel contact surface applied with cold spray technology.
- Busbar holders made of self-extinguishing PA6 polyamide, class V0 IEC 60695-11-10.
- Busbar system up to 1250 A
In = and Icc = 70 kA.
- Inclined and linear Smart-Energy placeable in the cable compartment, in rear and upper zone.
- Maximum ease of in wiring with hammer-head screws and Lafer accessories.
- Simplicity of coupling and junction between horizontal and vertical bars.
- Test CESI n. B3012744 short circuit withstand In = 1250 A and Icc = 70 kA for 1 sec.

Smart-Energy basic can be used in Lafer cabinets and in those of other brands as well.

Certifications **CESI** **IPH** BERLIN

IEC 61439-1

test n. B3012744
test n. B3013956

resistance to short circuit In=630 A e Icc=35 kA for 1 sec.
resistance to short circuit In=1250 A e Icc=70 kA for 1 sec.

- test of resistance to the short circuit.
- test of connection masses equipment and protection circuit.



SMART ENERGY *basic*

A specific bar for every power

Anodized aluminium profiles and nickel contact surface applied with cold spray technology.

Bars available in two lengths 1750 mm and 2325 mm.



BA6
630 A
40x30 mm



BA8
800 A
40x30 mm



BA10
1000 A
40x30 mm



BA12
1250 A
40x30 mm

Cable compartment L=300.



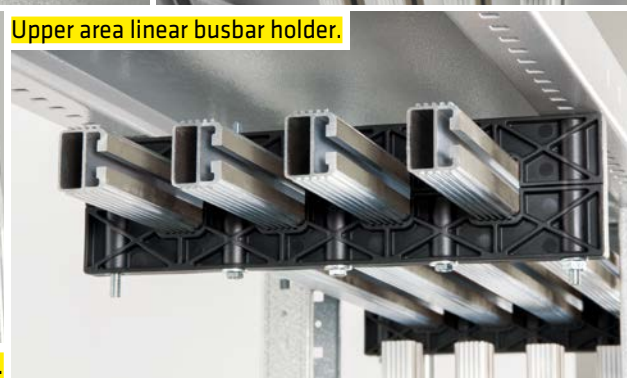
Cable compartment L=400.



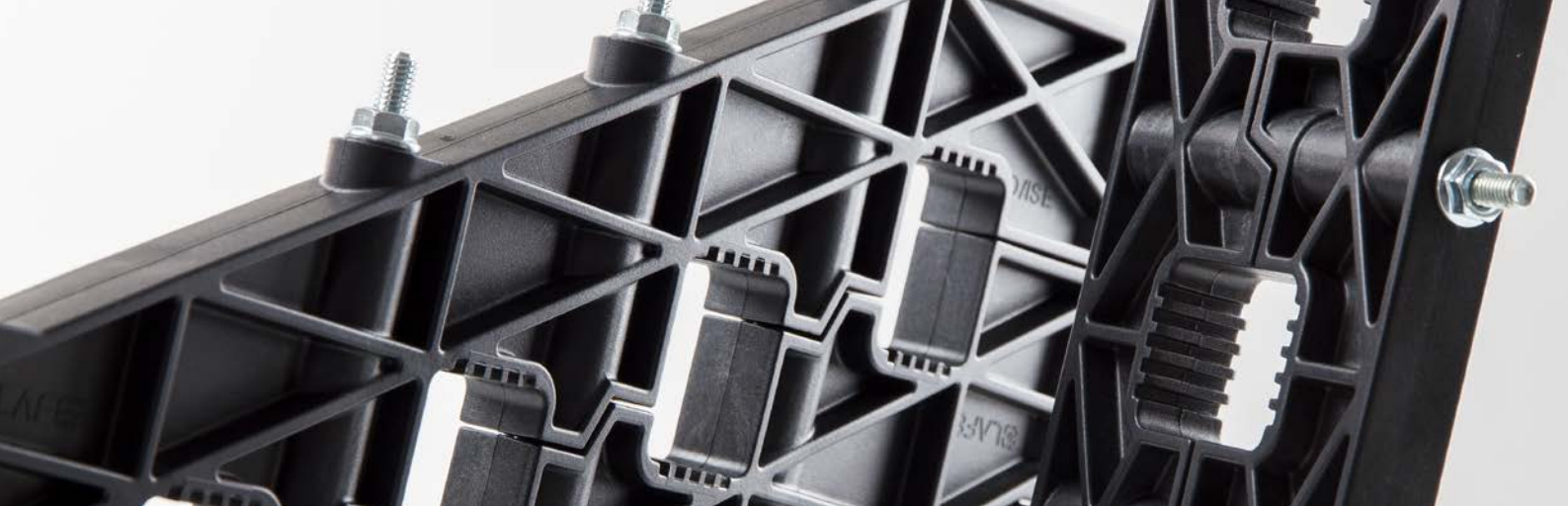
Rear area.



Upper area linear busbar holder.



Upper area inclined busbar holder.



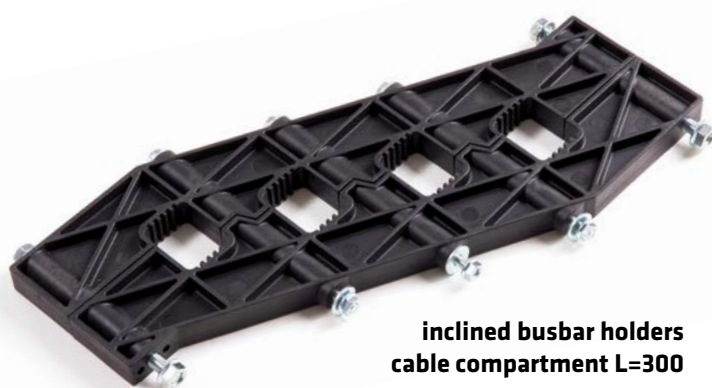
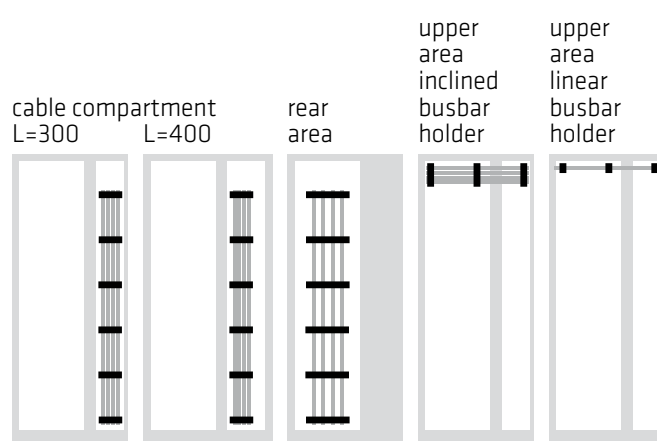
Busbar holders

Maximum speed of installation

Compatible with Smart-Energy basic and also with traditional copper bars.



linear busbar holders



**inclined busbar holders
cable compartment L=300**

In	Icc	n. bars	bars type	n. busbar holders	max distance. busbar holders
630 A	25 kA	4	BA6	3	850 mm
630 A	35 kA	4	BA6	4	600 mm
800 A	25 kA	4	BA8	3	850 mm
800 A	35 kA	4	BA8	4	600 mm
800 A	40 kA	4	BA8	5	450 mm
800 A	50 kA	4	BA8	6	350 mm
1000 A	25 kA	4	BA10	3	850 mm
1000 A	35 kA	4	BA10	4	600 mm
1000 A	40 kA	4	BA10	5	450 mm
1000 A	50 kA	4	BA10	6	350 mm
1000 A	60 kA	4	BA10	7	300 mm
1250 A	25 kA	4	BA12	3	850 mm
1250 A	35 kA	4	BA12	4	600 mm
1250 A	40 kA	4	BA12	5	450 mm
1250 A	50 kA	4	BA12	6	350 mm
1250 A	60 kA	4	BA12	8	250 mm
1250 A	70 kA	4	BA12	9	250 mm



**inclined busbar holders
cable compartment L=400**

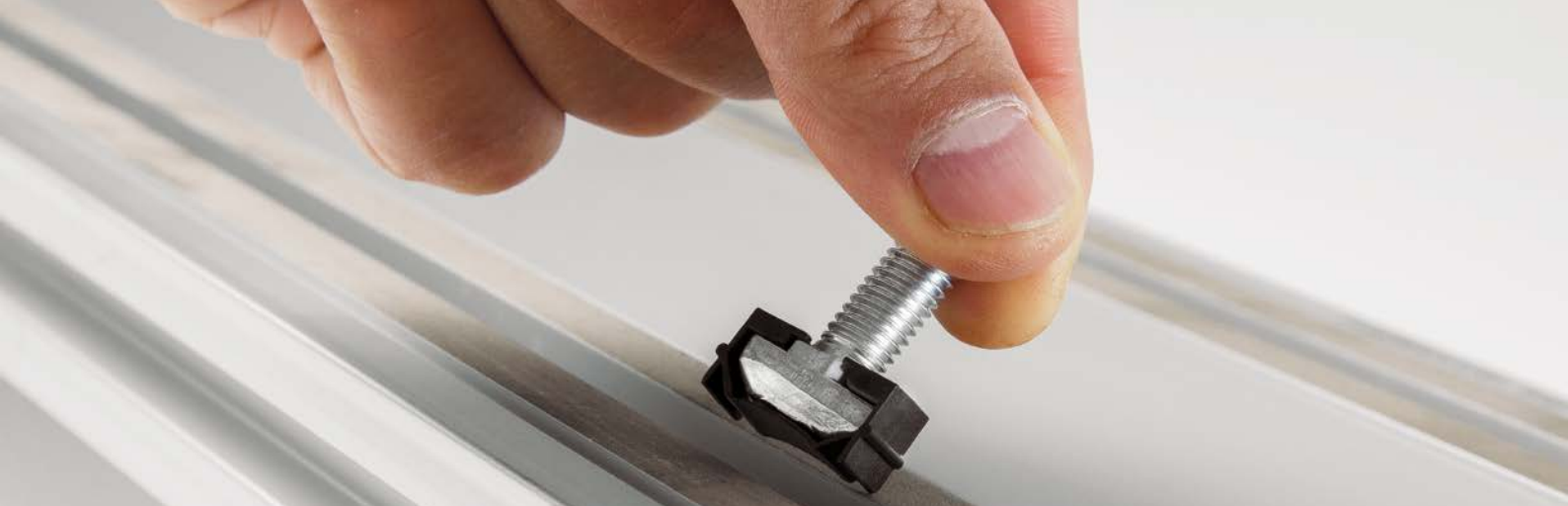


Connections systems and accessories

Modularity and power

Connection systems made in flexible copper braid and tin-plated aluminium plates.





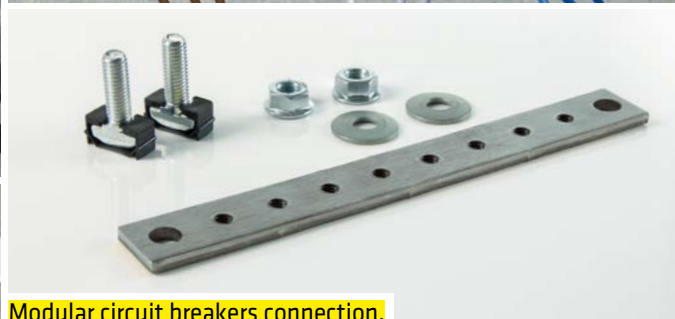
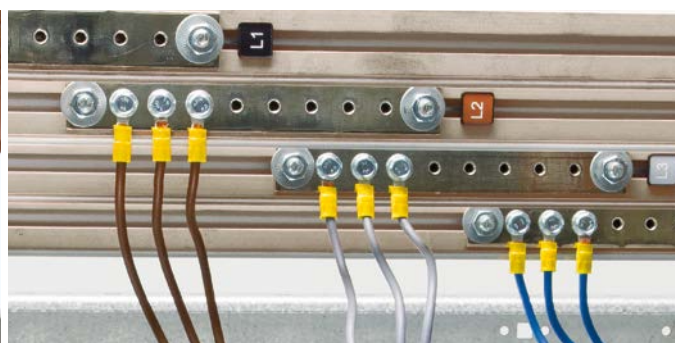
Accessories

Comfort close at hand

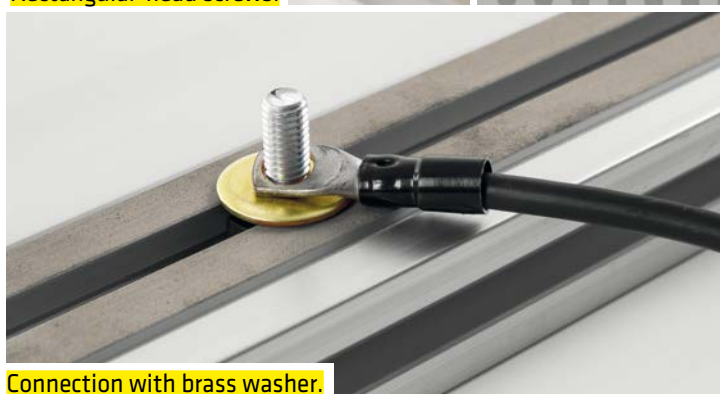
Very fast installation and reduced use of mounting tools.



Rectangular-head screws.



Modular circuit breakers connection.



Connection with brass washer.



Busbars alignment system.



Phases and neutral identification.