

Motor Control Center

Motor Control Center Cabinets with fixed drawers up to 6300A



MCC-Fix

CBL-ENG-MCF-2020-0

CABEL ENERGY

ELECTRICAL SYSTEMS INTEGRATION

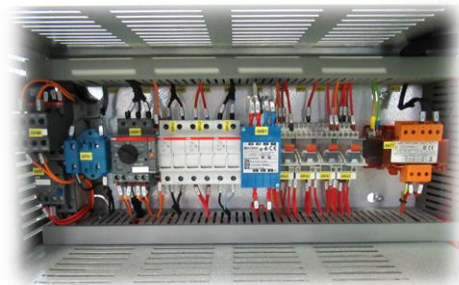


Dedicated to starting and controlling motors

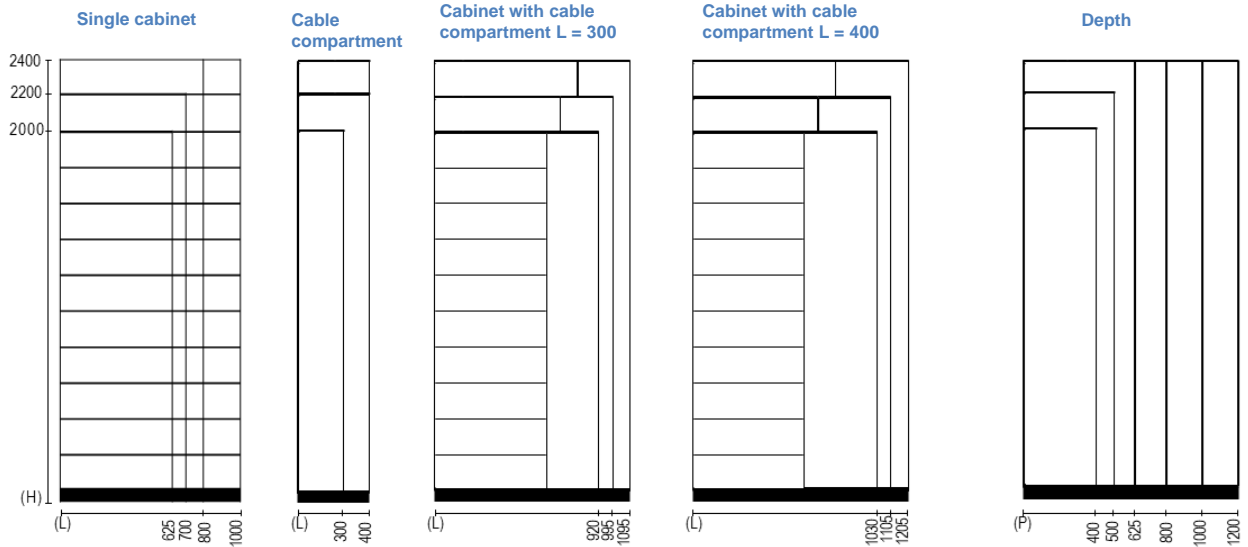
They offer a quick wiring solution with a wide range of solutions: single drawer, double drawer and mixed cabinet.

Main features

- Assembled structure, in sheet metal, 20/10 mm thick uprights
- Degree of protection from IP30 in the open version to IP55 with blind or transparent tempered glass door.
- Cubicle complete with hinged panel, wiring plate, horizontal separator and lateral segregation.
- Possibility of lateral coupling.
- Installation of equipment from all the leading brands on the market.
- Epoxy powder coating after phosphating in RAL 7035 B shade (other RAL shades on request).
- Stainless steel cabinet available on request.
- Patented grounding system.
- Base with reinforced flanges for roller movement.
- Internal accessories to complete solutions for any need.
- Seismic test CESI n. B3020295 with acceleration 1.0g.



Technical Features MCC cabinets with fixed drawers

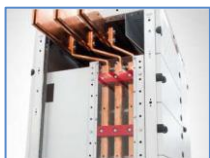


	Width (L)mm	Height (H)mm	Depth (P)mm	
Single cabinet	625	2000 / 2200 / 2400 (usable =H- 400)	400 / 500 / 625 / 800 / 1000 / 1200 (usable=300 / 400)	
	700			
	800			
	1000			
Cable compartment	300	2000 / 2200 / 2400 (usable =H- 400)	400 / 500 / 625 / 800 / 1000 / 1200 (usable =300 / 400)	
	400			
Cabinet with cable compartment	625+300	2000 / 2200 / 2400 (usable=H- 400)	400 / 500 / 625 / 800 / 1000 / 1200 (usable =300 / 400)	
	700+300			
	800+300			
	625+400			
	700+400			
800+400				
Double-Sided Cabinet	Optional			
Electrical data	Voltage ratings	Rated insulation voltage (Ui)		1000 V
		Rated operating voltage (Ue)		690 V
		Rated impulse withstand voltage (Uimp)		6 / 8 / 12kV
		Nominal frequency(fn)		50 / 60 Hz
	Current ratings	Rated current (I _n)		Up to 6300 A
		Rated short-time current for 1 sec. (I _{cw})		70 kA
Mechanical characteristics	Protection degree IP	Internal	Up to IP2X	
		External	From IP30 to IP55	
	Panel height (h)	150 / 200 / 250/300 / 350/400 / 450 / 500/600 / 700 / 800 / 900 / 1000		
	IK impact resistance grade	IK09 for glass door		
		IK10 for blind door		
	Accessibility	Frontal / Lateral / Rear		
	Execution	Form 1 / Form 2a / Form 2b / Form 3a / Form 3b / Form 4a / Form 4b		
	Materials	Structure	Sheet steel, thickness 15/10-20/10 mm	
		Accessories	Galvanized Metal, thickness 15/10 - 20/10 - 25/10 mm	
	Coating	Structure	RAL 7035 Light Grey Textured	
Accessories		RAL color scale and stainless steel		
Plastic components	Halogen-free, flame-retardant, self-extinguishing, CFC-free			

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Details



Sidebar Cabinet: compartmentalized cabinet in form 3b. Vertical busbar system positioned in the lateral area and horizontal busbar system positioned in the upper area.



Linear busbar system: busbar system up to 3200 A positioned in the upper area.



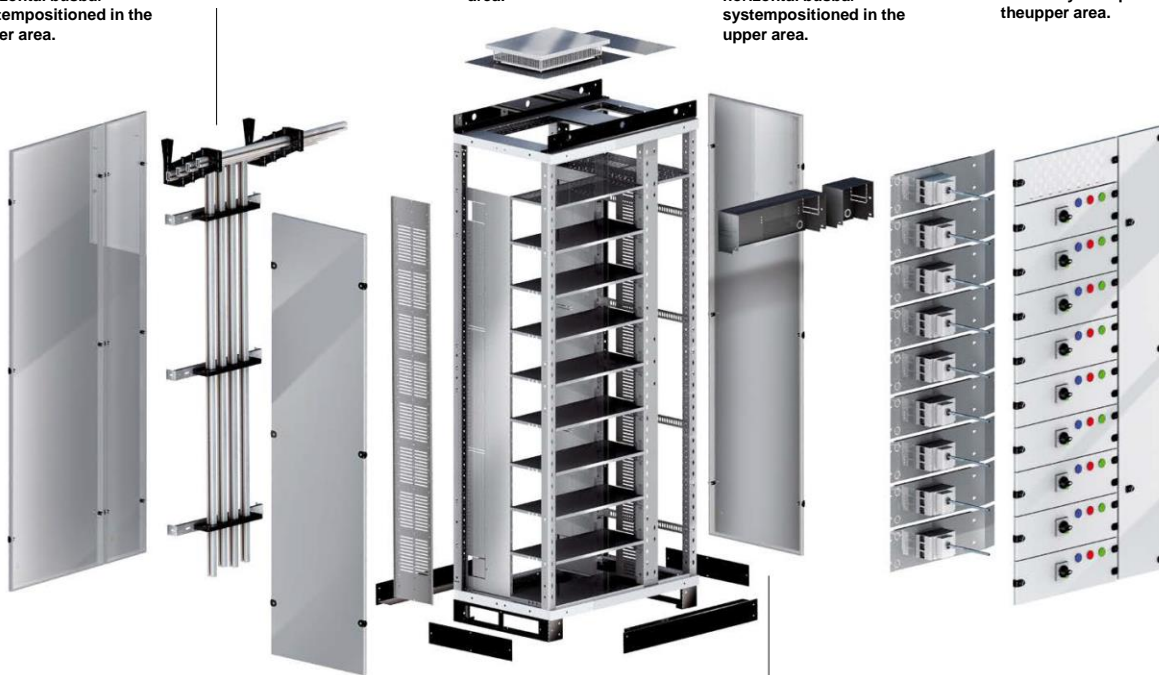
Rear Bar Cabinet: 3b shaped compartment cabinet. Vertical and horizontal bar system positioned in the rear area.



Rear Bar Cabinet: segregated compartment cabinet in form 3b. Vertical busbar system positioned in the rear area and horizontal busbar system positioned in the upper area.



Rear Bar Cabinet: segregated compartment cabinet in form 3b. Vertical busbar system positioned in the lateral or rear area and horizontal busbar system positioned in the upper area.



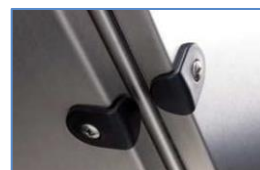
Sidebar Cubicle: complete with hinged panel, wiring plate, horizontal separator and lateral segregation in lexan.



Rear bar cubicle : complete with hinged panel, wiring plate, horizontal separator and lateral segregation in galvanized sheet metal



Upper segregation: Made of galvanized sheet metal with the possibility of using it for channel fixing.

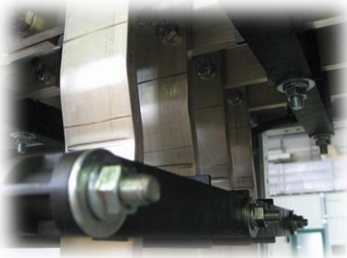
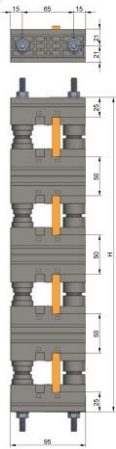


Stainless steel: stainless steel cabinet on request..

Bar system

BACK QUADRIPOLE VERTICAL/HORIZONTAL

Back four-pole busbar holder for supporting copper bars from 630A up to 2000A positioned horizontally or vertically



Weight (kg)	DIM. BAR (HXTH)	H (MM)	In (A)
4,4	40x10	270	630
4,3	50x10	300	800
4,6	60x10	330	1000
4,7	80x10	390	1250
4,8	100x10	450	1600
4,7	120x10	510	1800
4,8	160x10	630	2000

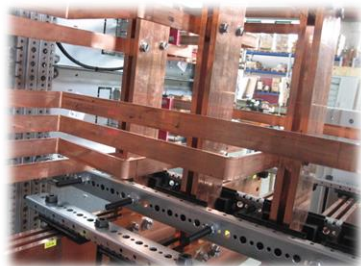
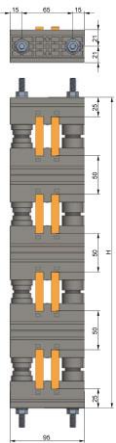
BAR HOLDER INTERAXIS TABLE

I.Nom	630A	800A	1000A	1250A	1600A	1800A	2000A
Interaxle spacing Max	lcc	lcc	lcc	lcc	lcc	lcc	lcc
1000mm	16 kA	20 kA	25 kA	30 kA	35 kA	40 kA	50 kA
950mm	20 kA	20 kA	25 kA	30 kA	35 kA	40 kA	55 kA
900mm	20 kA	20 kA	25 kA	30 kA	40 kA	45 kA	60 kA
850mm	20 kA	25 kA	25 kA	35 kA	40 kA	45 kA	60 kA
800mm	20 kA	25 kA	30 kA	35 kA	45 kA	50 kA	65 kA
750mm	20 kA	25 kA	30 kA	40 kA	45 kA	55 kA	70 kA
700mm	25 kA	30 kA	30 kA	40 kA	50 kA	60 kA	75 kA
650mm	25 kA	30 kA	35 kA	45 kA	55 kA	65 kA	80 kA
600mm	30 kA	30 kA	35 kA	50 kA	60 kA	70 kA	80 kA
550mm	30 kA	35 kA	40 kA	50 kA	65 kA	75 kA	85 kA
500mm	35 kA	40 kA	45 kA	60 kA	70 kA	80 kA	90 kA
450mm	35 kA	45 kA	50 kA	65 kA	80 kA	85 kA	95 kA
400mm	40 kA	50 kA	60 kA	75 kA	85 kA	90 kA	100 kA
350mm	50 kA	55 kA	65 kA	85 kA	95 kA	100 kA	105 kA
300mm	55 kA	65 kA	75 kA	95 kA	100 kA	105 kA	
250mm	70 kA	80 kA	95 kA	105 kA	105 kA		
200mm	85 kA	100 kA	105 kA				



BACK QUADRIPOLE VERTICAL/HORIZONTAL DOUBLE BAR

Back four-pole busbar holder for supporting copper bars from 1250A up to 3600A positioned horizontally or vertically

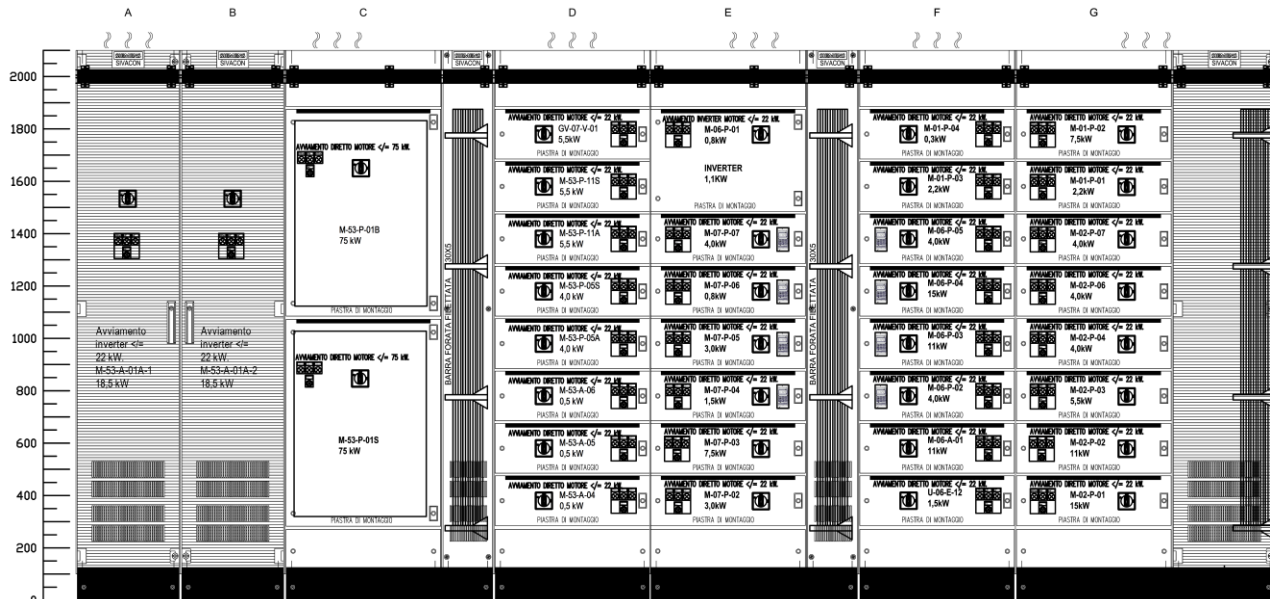


WEIGHT (kg)	DIM. BAR (HXTH)	H (MM)	In (A)
4,6	40x10	270	1250
4,7	50x10	300	1600
4,6	60x10	330	1800
4,7	80x10	390	2000
4,7	100x10	450	2500
4,6	120x10	510	3000
5	160x10	630	3600

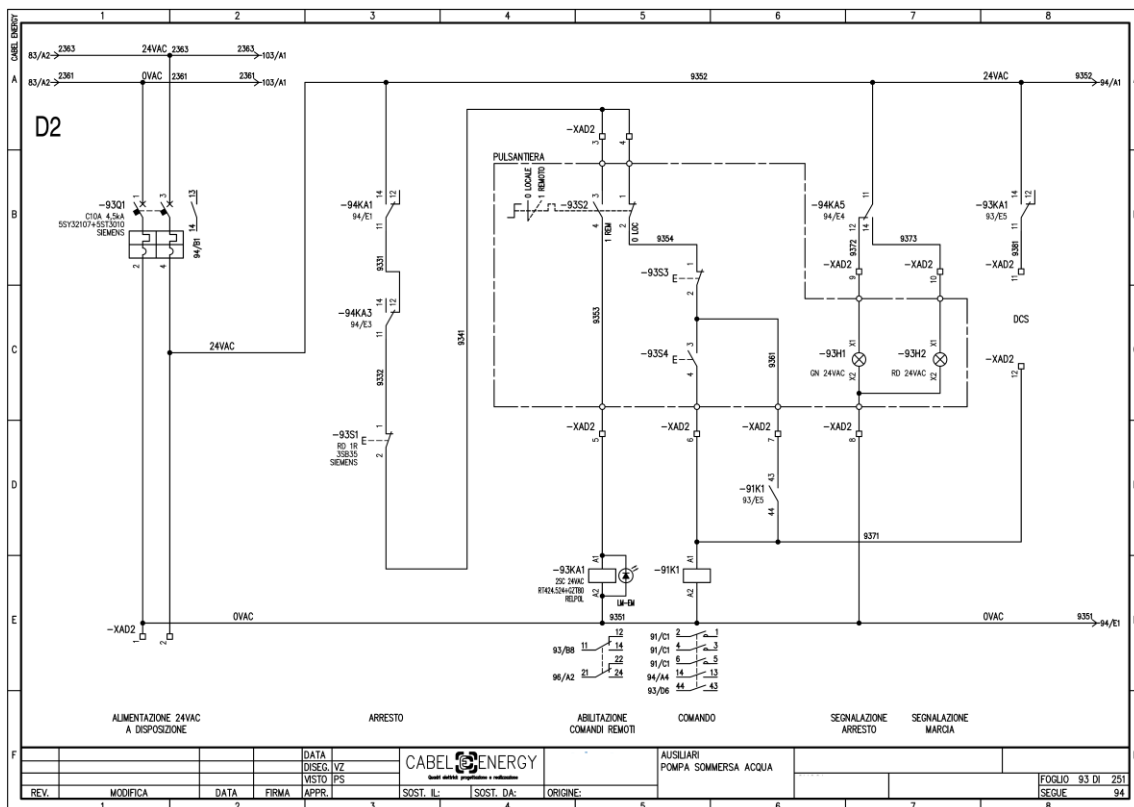
BAR HOLDER INTERAXIS TABLE

I.Nom	1250A	1600A	1800A	2000A	2500A	3000A	3600A
Max Interaxis	lcc	lcc	lcc	lcc	lcc	lcc	lcc
1000mm	16 kA	20 kA	25 kA	30 kA	35 kA	40 kA	50 kA
950mm	20 kA	20 kA	25 kA	30 kA	35 kA	40 kA	55 kA
900mm	20 kA	20 kA	25 kA	30 kA	40 kA	45 kA	60 kA
850mm	20 kA	25 kA	25 kA	35 kA	40 kA	45 kA	60 kA
800mm	20 kA	25 kA	30 kA	35 kA	45 kA	50 kA	65 kA
750mm	20 kA	25 kA	30 kA	40 kA	45 kA	55 kA	70 kA
700mm	25 kA	30 kA	30 kA	40 kA	50 kA	60 kA	75 kA
650mm	25 kA	30 kA	35 kA	45 kA	55 kA	65 kA	80 kA
600mm	30 kA	30 kA	35 kA	50 kA	60 kA	70 kA	80 kA
550mm	30 kA	35 kA	40 kA	50 kA	65 kA	75 kA	85 kA
500mm	35 kA	40 kA	45 kA	60 kA	70 kA	80 kA	90 kA
450mm	35 kA	45 kA	50 kA	65 kA	80 kA	85 kA	95 kA
400mm	40 kA	50 kA	60 kA	75 kA	85 kA	90 kA	100 kA
350mm	50 kA	55 kA	65 kA	85 kA	95 kA	100 kA	105 kA
300mm	55 kA	65 kA	75 kA	95 kA	100 kA	105 kA	
250mm	70 kA	80 kA	95 kA	105 kA	105 kA		
200mm	85 kA	100 kA	105 kA				

TECHNICAL DRAWING

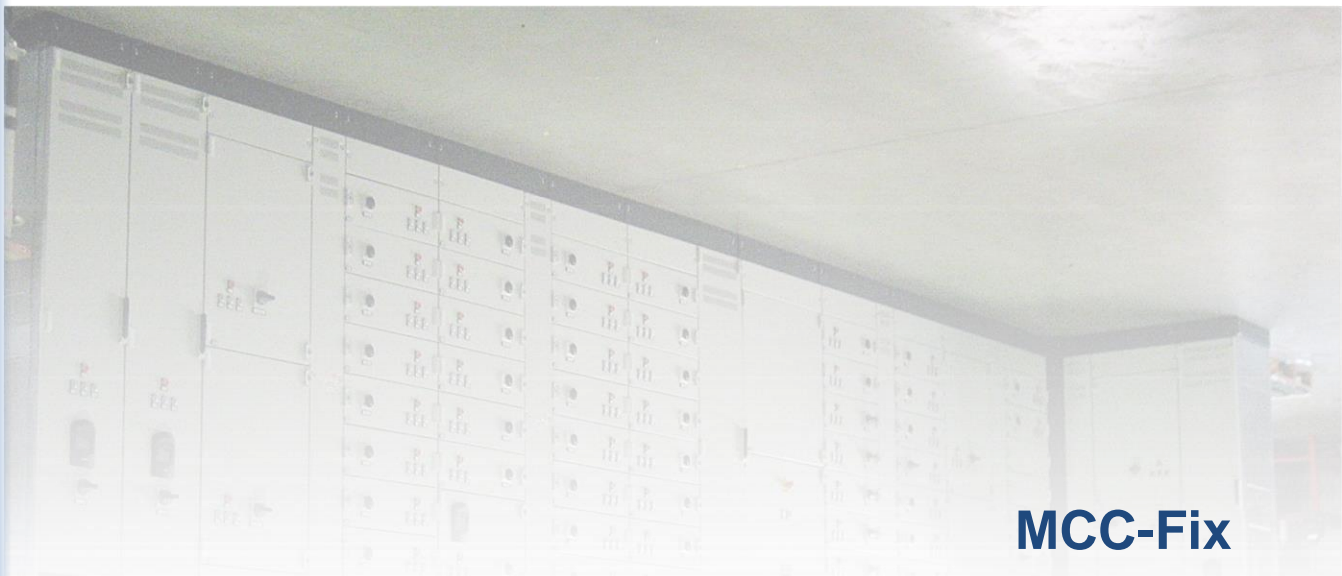


ARRIVO LINEA DA POWER CENTER



Motor Control Center

Armadi Motor Control Center a cassette fissi fino a 6300A



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CABEL ENERGY

ELECTRICAL SYSTEMS INTEGRATION

CABEL ENERGY S.r.l. always attentive to precise customer requirements and satisfaction, Cabel Energy S.r.l. offers not only its own manufactured electrical panels but also the following specialized and complementary services:

- PLANT ENGINEERING
- MAINTENANCE



Progettazione e realizzazione di quadri elettrici
Installazione e manutenzione impianti elettrici
UNI EN ISO 9001:2015 - UNI EN ISO 14001:2015

CABEL ENERGY S.r.l
Via Olmi, 5 Z.I. – 33050 Gonars UD
Tel. 0432 992253 – Fax. 0432 931091
e-mail: info@cabelenergy.com – web: www.cabelenergy.com
[Facebook.com/CabelEnergy](https://www.facebook.com/CabelEnergy) – [Twitter.com/#!/CabelEnergy](https://twitter.com/#!/CabelEnergy)