



We Speak The Same Language

arelektrik.com

Since 1997

AR Elektrik has been founded by a highly experienced team for electromechanical assembly of medium and low voltage electric panels in 1997.

We continue our activities in 2500 m² facility by IEC 61439-1&2 standards and ISO9001:2015 quality management system.

AR Elektrik, Alçak ve Orta Gerilim Panoları imalatı konusunda hizmet vermek üzere deneyimli bir ekip tarafından 1997 yılında kurulmuştur.

AR Elektrik, İstanbul'da 2500 m²'lik tesislerinde 50 kişilik uzman kadrosu ile IEC-61439-1&2 standartlarında ve ISO 9001:2015 kalite yönetim sistemi ile faaliyetlerine devam etmektedir.



PRODUCTS AND SERVICES

PANEL PRODUCTIONS

- I. ARELPAN-C LV Distribution Boards
- II. ARELPAN-W Withdrawable Motor Control (MCC) Panels
- III. ARELPAN-H HV & MV Secondary Protection and Control Panels
- IV. ARELPAN-P PLC&RTU Automation Panels
- V. ARELPAN-PF Compensation and Harmonic Filter Panels
- VI. EATON Exprof Systems

- E-HOUSE CONTAINER SYSTEMS
- PROJECT DESIGN & ENGINEERING
- FIELD TEST AND COMMISSIONING
- SUBCONTRACTING

ÜRÜN VE HİZMETLER

PANO İMALATLARI

- I. ARELPAN-C AG Dağıtım Panelleri
- II. ARELPAN-W Çekmeceli MCC Panelleri
- III. ARELPAN-H YG-OG Sekonder Koruma Panelleri
- IV. ARELPAN-P PLC ve RTU Otomasyon Panelleri
- V. ARELPAN-PF AG Kompanzasyon ve Harmonik Filtre Panelleri
- VI. EATON Exprof Sistemleri

- KONTEYNER SİSTEMLERİ
- PROJE TASARIM VE MÜHENDİSLİK
- SAHA TESTLERİ VE DEVREYE ALMA
- TAAHHÜT VE FABRİKA BAKIMLARI



ARELPAN-C Low Voltage Power Distribution Panel systems have been designed to meet the requirements of industrial facilities, power plants, iron and steel production facilities and petrochemical facilities in accordance to IEC 61439-1&2 standards.

ARELPAN – C Modüler Güç Dağıtım Pano sistemlerinde güvenlik felsefesini ön planda tutarak IEC 61439-1&2 Kema Tip Testler den geçerek özellikle Endüstriyel Tesisler, Enerji üretim santralleri, Demir çelik üretim tesisleri ve Petrokimya tesislerinde güvenli Alçak Gerilim kontrolü için tasarlanmıştır.

ADVANTAGES / AVANTAJLAR

- Strong Profile Structure / Güçlü Profil Yapısı
- Modular Mechanical Assembly Units / Modüler Mekanik Montaj Üniteleri
- Mounting Types are Available For All Brands / Tüm Markalar İçin Montaj Yapılabilir
- 2 mm Galvanized Steel / 2 mm Galvanizli Çelik
- RAL 7035 Colour / RAL 7035 Renk
- Stylish and Arty Outlook / Şık ve Gösterişli Görünüm

STANDARDS	IEC 61439-1&2
Rated Busbar Current, In	Up to 6300 A
Degree of Protection	Up to IP41
Segregation	Up to Form 4b
Mechanical Resistance to Impacts	IK 10
Standart Colour	RAI 7035, Electrostatic
Frame Metarial	Galvenized Steel
Grid Type	TN-C, TN-S, TN C-S, TT, IT
Rated Service Voltage, Ue	Up to 690V
Rated Impulse Withstand Voltage, Uimp	8kV / 12 kV
Rated Insulation Voltage, Ui	Up to 1000V
Rated Peak Short-Circuit Current, Ipk	264 kA
Ambient Temperature	35° C (24h)
Rated Short-Time Short-Circuit Withstand Current	Up to 120 kA



FULL
TYPE TEST
CERTIFICATE
IEC 61439-2



AR ELEKTRİK presents its safety philosophy concerning modular switch-board-systems in draw-out Technolog.

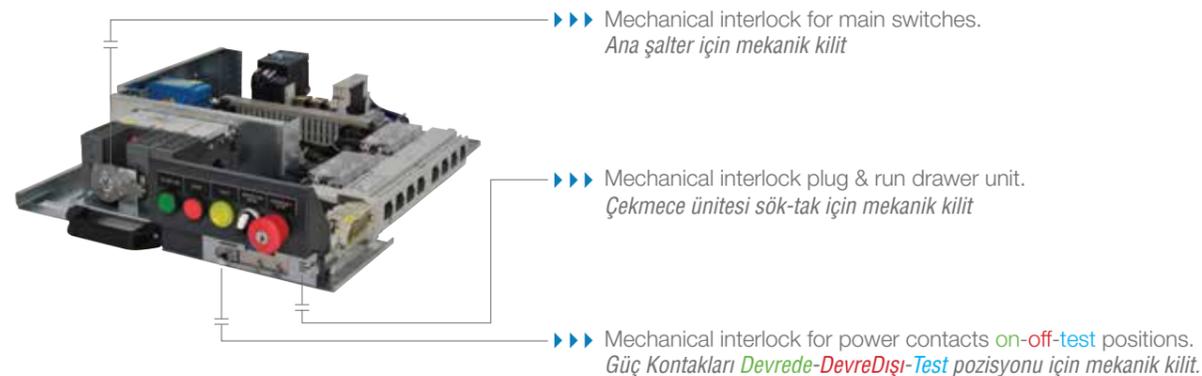
AR ELEKTRİK modüler pano sistemleri ile ilgili fikirlerini Çekmece Teknolojisinde sunar.

ADVANTAGES

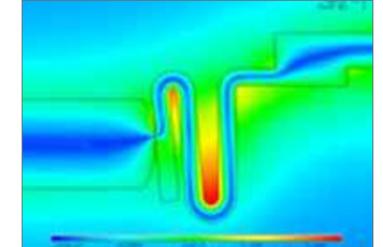
- IEC 61439-1&2 Kema Type Test
- 630 A, Form 4b, IP41, 65kA
- Engine Control up to 300kW
- MECHANICAL INTERLOCK devices against operator errors.
- CONNECT-DISCONNECT-TEST- positions,
- Automatic Shutter System
- It is possible to move power contacts when cables of power circuit is stable (Power cables should not be moved to avoid cable breaks.)
- There is PLUG & RUN system that enables Drawers to plug in and take out to the panel, by switching on/off their connections to energized main bus-bar.
- Phases between the vertical bus-bar section are fully insulated. It proves perfect protection even against strong dynamic loads.
- It passed ARK SAFETY test in Fraunhofer test laboratories
- Mechanical coding is available, thus errors in different drawer type units are avoided.

AVANTAJLAR

- IEC 61439-1&2 Kema Tip Testi
- 630 A, Form 4b, IP41, 65kA
- 300 kW a kadar Motor Kontrolü
- Operatör hatalarına karşı MEKANİK KİLİTLEME
- Devrede - DevreDışı - Test Pozisyonu
- Otomatik Bara kapaması
- Güç devresi kabloları sabit iken güç kontaklarını hareket ettirmek mümkündür. (Güç kabloları kabloların kopmasını önlemek için hareket ettirilmemelidir.)
- Çekmece modülleri birbirinden bağımsız olarak Ana bara enerjili iken TAK-ÇALIŞTIR yapılabilir.
- Almanya Fraunhofer laboratuvarlarında ARK GÜVENLİĞİ testinden geçmiştir.
- Mekanik kodlama mevcuttur, böylece farklı çekmece tip ünitelerinde hatalar engellenir.



Drawer compartment with Shutter-System completely Arc-Safe!



Innovative Pressure Contact

Plug and Run	Drawer Types		
	1/4 Quarter Size	1/2 Half Size	1/1 Full Size
Dimensions	H:225*D:600*W:100	H:150*D:600*W:220	H:150...600*D:600*W:500
Starter kW	0,37 kW.....5,5 kW	0,37 kW.....18,5 kW	0,37 kW.....300 kW
Current-A	Max 50 A	Max 50 A	125 A 630 A

We completed numerous successful projects in 380/154/34,5 kV ranges. We manufacture following panels especially compliant with TEIAS and international standards..

380/154/34,5 kV enerji üretim ve nakil tesislerinde TEİAŞ onaylı elektrik pano imalatçısı ve uluslararası standartlara uygun olarak imalat edilmektedir.

- Control Panels / Kumanda Panoları
- Protection Relay Panels / Röle Panoları
- LCC Panels / LCC Panoları
- Marshaling Box / Saha Dağıtım Kutuları
- AC-DC Auxiliary Service Panels / AC-DC Yardımcı Servis Panoları
- Project design and Engineering / Projelendirme ve Mühendislik hizmetleri



During desinging of the compensation panel, required precautions to have long life of the capacitor batteries should be taken beside choosing of the appropriate material. AR Elektrik works succesfully at the begining of the determining of your system's compensation needs until commissioning stages.

Kompanzasyon panosu tasarlanırken uygun malzeme seçiminin yanısıra kondansatör bataryalarının uzun ömürlü olması için gereken önlemler de alınmalıdır. AR Elektrik sisteminizin kompanzasyon ihtiyacını belirleme sürecinden başlayarak devreye alma aşamalarına kadar başarılı bir şekilde hizmet vermektedir.



We make the solution partnership with many local companies which are specialized in their sector mainly industrial facilities, smart building systems and energy automation systems. Especially, at the project desinging stage, our feature that converting the signal lists fastly to the cabling and application projects, allows to respond our customers fastly and preventing possible delays.

Otomasyon sektöründe uzmanlaşmış birçok yerli kuruluşla endüstriyel tesisler ve akıllı bina sistemleri başta olmak üzere uzun yıllardan beri çözüm ortaklığı yapmaktayız. Özellikle projelendirme aşamasında bilgi listelerini hızlı bir şekilde tüm süreci kapsayan bağlantı ve uygulama projelerine dönüştürebilme özelliğimiz müşterilerimize hızlı cevap verme ve olası gecikmeleri önleme konusunda imkan sağlar.



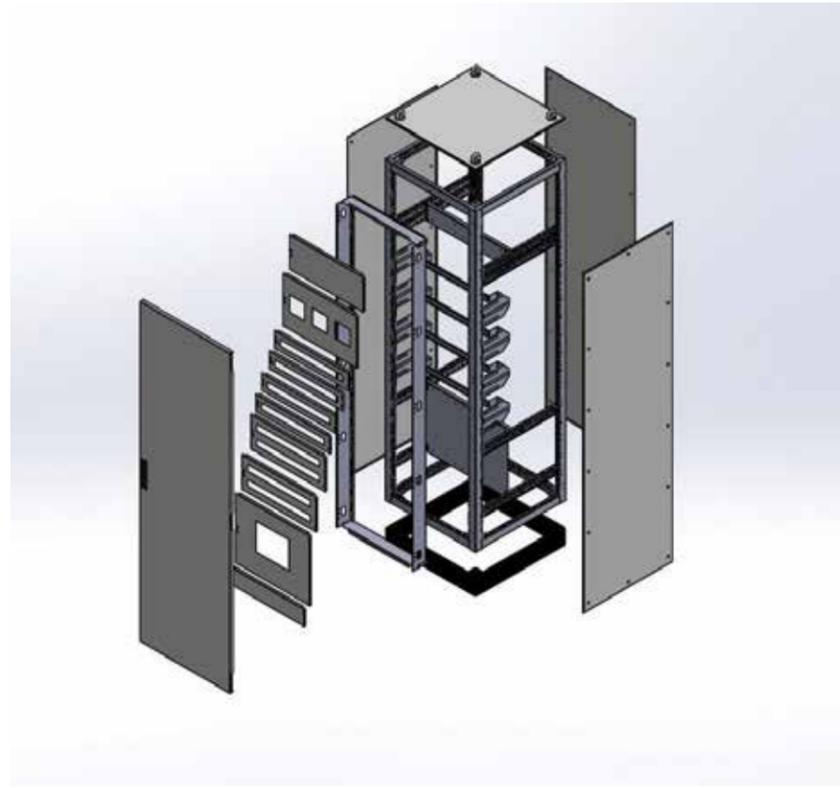
It is possible to avoid field complexity and time loss with Plug & Run Power Control Center Systems in the Containers. Power Control Centers in the Containers are the perfect solution for field conditions in which it is difficult and dangerous to make constructions particularly for living spaces and facilities by delivering the system fully assembled and tested.

It is possible to design all panel systems such as ARELPAN Low Voltage, MCC or High Voltage Secondary Protection Control Panels in the container.

Konteyner İçerisinde Tak Çalıştır Güç Kontrol Merkezi Sistemleri ile sahada karmaşıklığın ve zaman kaybının önüne geçebilirsiniz. Sistem tüm montajları tamamlanmış ve test edilmiş halde sevk edilerek özellikle yaşam alanları ve tesis için inşaat yapmanın zor ve tehlikeli olduğu saha şartları için Konteyner içi Güç Kontrol Merkezleri mükemmel çözümdür.

Konteyner içerisinde ARELPAN Alçak Gerilim, MCC veya Yüksek Gerilim Sekonder Koruma Kontrol Panoları gibi tüm pano sistemleri dizayn edilebilir.





ARELPAN-C PANELS

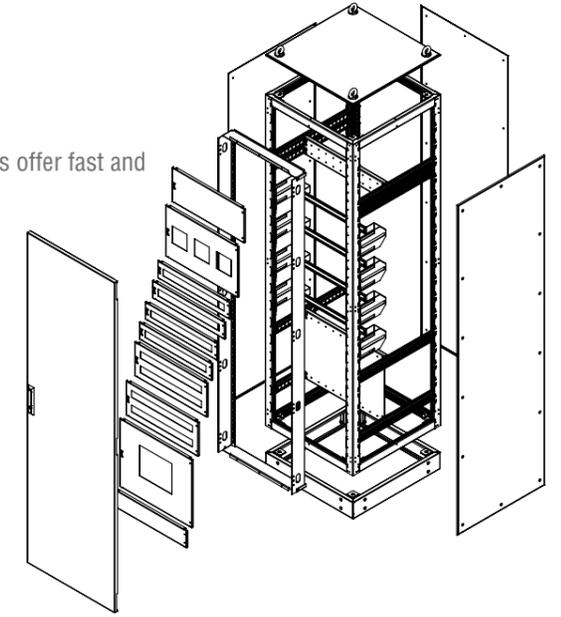
The modular and flexible mounting options ARELPAN-C series modular panels offer fast and optional applications.

- Main Distribution Panels,
- Floor Distribution Panels,
- Mcc Panels,
- Compensation Panels

ARELPAN-C PANO

ARELPAN-C serisi AG panoları modüler ve esnek montaj seçenekleri ile hızlı ve opsiyonel çözümler sunmaktadır.

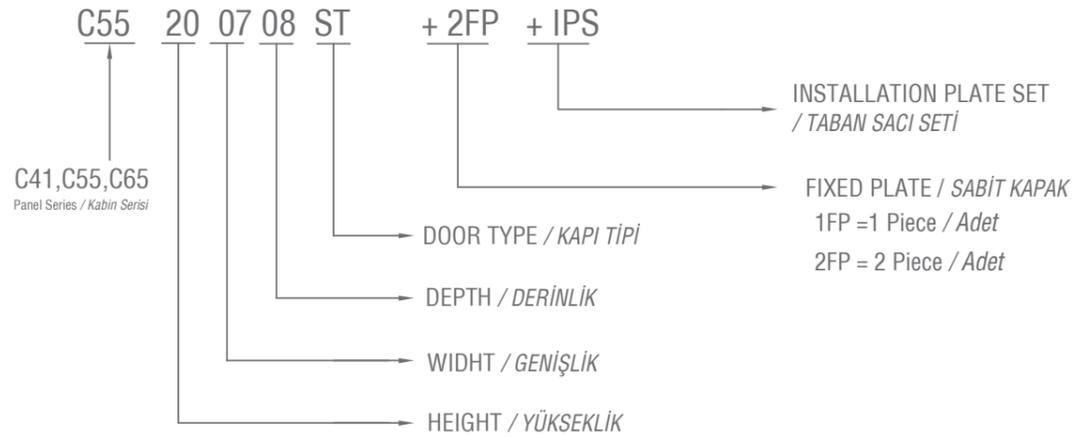
- Ana Dağıtım Panoları,
- Kat Dağıtım Panoları,
- MCC Panoları,
- Kompanzasyon Panoları



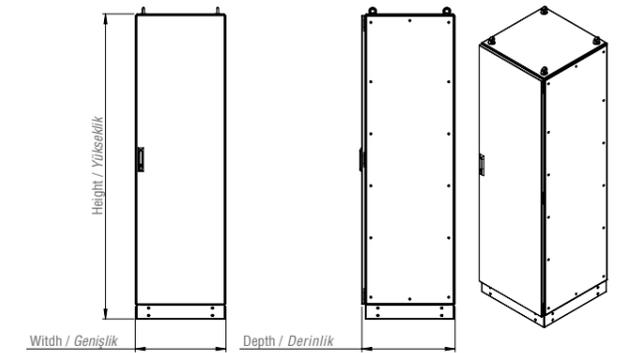
Standards	IEC 62208 ,IEF 61439-1&2
Rated Busbar Current, In	Up to 6300A
Degree of Protection	Up to IP 65
Segregation	Up to Form 4b
Mechanical Resistance to Impacts	IK10
Standart Color	"RAL 7035, Electrostatic Powder Paint"
Frame Material	Galvanized Steel

Standart	IEC 62208 ,IEF 61439-1&2
Anma Akımı, In	6300A'e kadar
Koruma Sınıfı	IP 65'e kadar
Formlama	Form 4b'e kadar
Mekanik Darbe Dayanımı	IK10
Standart Renk	RAL 7035, Elektrostatik Toz Boya
Karkas Malzemesi	Galvanize Çelik

PANEL SELECTION CODING NOTATION / KABİN SEÇİMİ KODLAMA NOTASYONU



Standard Width (mm) / Standart Genişlikler	Standard Depth (mm) / Standart Derinlikler	Standard Height (mm) / Standart Yükseklikler
300	400	1450
400	500	1650
500	600	1850
600	700	2050
700	800	2250
800	900	
900	1000	
1000		
1200		

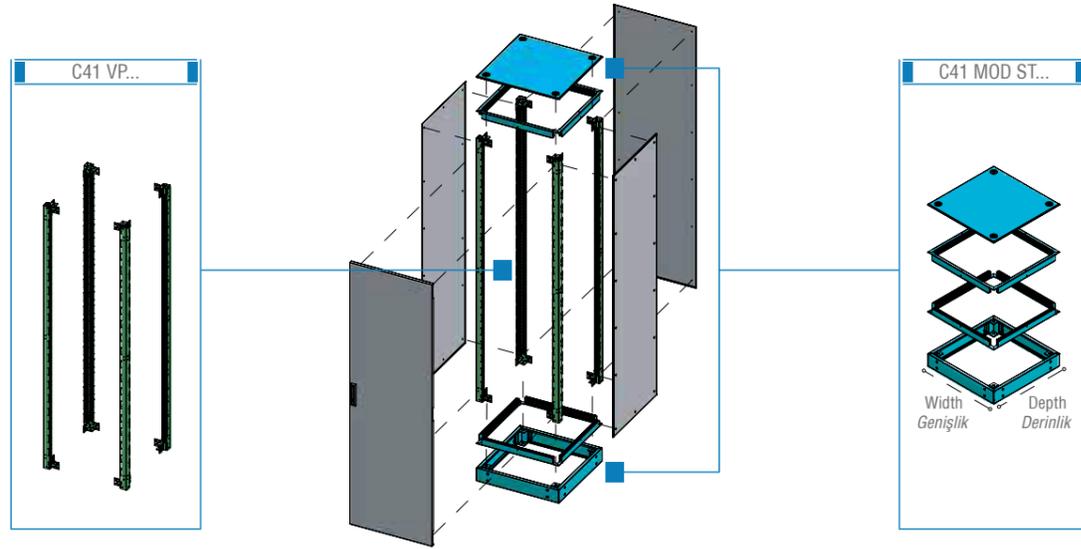


The main structure consists of a combination of 4 mm thick corner joint and 2 mm galvanized profiles. Front doors are 1.5 mm, side and rear doors are manufactured from 1.2 mm thickness galvanized sheets.

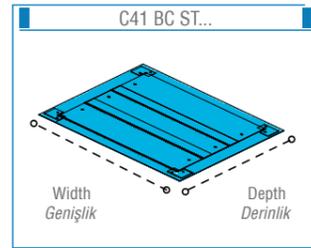
Karkas, 4 mm kalınlığında köşe birleştirme elemanı ve 2 mm galvanize profillerin birleşiminden oluşmaktadır. İç montaj elemanları 2 mm, ön kapı 1.5 mm, yan ve arka kapılar 1.2 mm kalınlığında galvanize saçlardan imal edilmektedir.

Carrier and mounting profiles are 2 mm, front doors are 1.5 mm and side plate are 1.2 mm.

Taşıyıcı ve montaj profilleri 2 mm, ön kapılar 1.5 mm, sabit kapılar 1.2 mm'dir. Dahili ortam panosu olup, koruma derecesi IP41'dir.



C41 VERTICAL PROFILE SET / C41 DİKEY PROFİL SETİ				
Height / Yükseklik (mm)				
1400	1600	1800	2000	2200
C41 VP 14	C41 VP 16	C41 VP 18	C41 VP 20	C41 VP 22

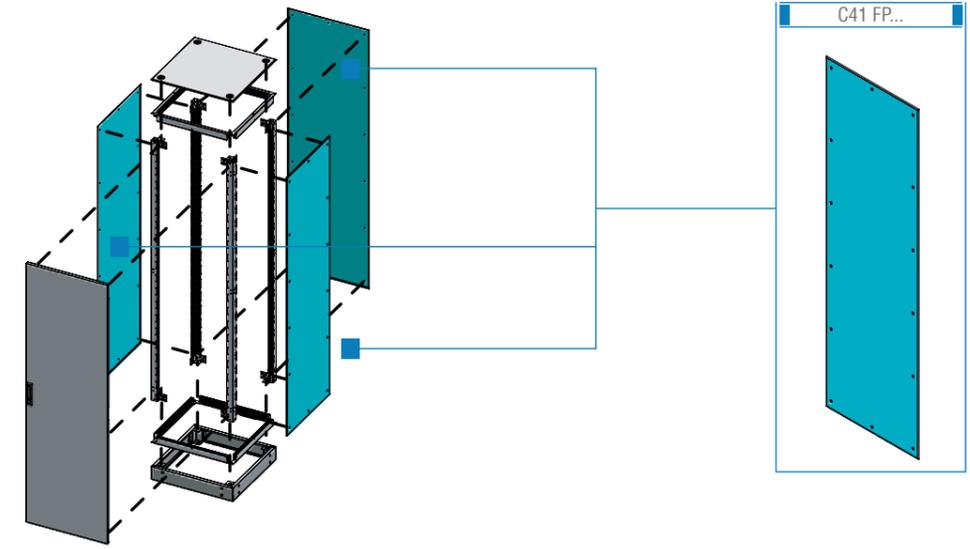


C41 MODULE SET / C41 MODÜL SETİ									
		Width / Genişlik (mm)							
		400	500	600	700	800	900	1000	1200
Depth / Derinlik (cm)	400	C41 MOD ST 0404	C41 MOD ST 0504	C41 MOD ST 0604	C41 MOD ST 0704	C41 MOD ST 0804	C41 MOD ST 0904	C41 MOD ST 1004	C41 MOD ST 1204
	500	C41 MOD ST 0405	C41 MOD ST 0505	C41 MOD ST 0605	C41 MOD ST 0705	C41 MOD ST 0805	C41 MOD ST 0905	C41 MOD ST 1005	C41 MOD ST 1205
	600	C41 MOD ST 0406	C41 MOD ST 0506	C41 MOD ST 0606	C41 MOD ST 0706	C41 MOD ST 0806	C41 MOD ST 0906	C41 MOD ST 1006	C41 MOD ST 1206
	700	C41 MOD ST 0407	C41 MOD ST 0507	C41 MOD ST 0607	C41 MOD ST 0707	C41 MOD ST 0807	C41 MOD ST 0907	C41 MOD ST 1007	C41 MOD ST 1207
	800	C41 MOD ST 0408	C41 MOD ST 0508	C41 MOD ST 0608	C41 MOD ST 0708	C41 MOD ST 0808	C41 MOD ST 0908	C41 MOD ST 1008	C41 MOD ST 1208
	900	C41 MOD ST 0409	C41 MOD ST 0509	C41 MOD ST 0609	C41 MOD ST 0709	C41 MOD ST 0809	C41 MOD ST 0909	C41 MOD ST 1009	C41 MOD ST 1209
1000	C41 MOD ST 0410	C41 MOD ST 0510	C41 MOD ST 0610	C41 MOD ST 0710	C41 MOD ST 0810	C41 MOD ST 0910	C41 MOD ST 1010	C41 MOD ST 1210	

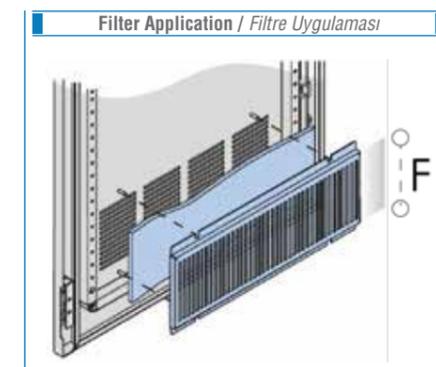
C41 BOTTOM CLOSURE SET / C41 ALT KAPAMA SETİ									
		Width / Genişlik (mm)							
		400	500	600	700	800	900	1000	1200
Depth / Derinlik (cm)	400	C41 BC ST 0404	C41 BC ST 0504	C41 BC ST 0604	C41 BC ST 0704	C41 BC ST 0804	C41 BC ST 0904	C41 BC ST 1004	C41 BC ST 1204
	500	C41 BC ST 0405	C41 BC ST 0505	C41 BC ST 0605	C41 BC ST 0705	C41 BC ST 0805	C41 BC ST 0905	C41 BC ST 1005	C41 BC ST 1205
	600	C41 BC ST 0406	C41 BC ST 0506	C41 BC ST 0606	C41 BC ST 0706	C41 BC ST 0806	C41 BC ST 0906	C41 BC ST 1006	C41 BC ST 1206
	700	C41 BC ST 0407	C41 BC ST 0507	C41 BC ST 0607	C41 BC ST 0707	C41 BC ST 0807	C41 BC ST 0907	C41 BC ST 1007	C41 BC ST 1207
	800	C41 BC ST 0408	C41 BC ST 0508	C41 BC ST 0608	C41 BC ST 0708	C41 BC ST 0808	C41 BC ST 0908	C41 BC ST 1008	C41 BC ST 1208
	900	C41 BC ST 0409	C41 BC ST 0509	C41 BC ST 0609	C41 BC ST 0709	C41 BC ST 0809	C41 BC ST 0909	C41 BC ST 1009	C41 BC ST 1209
1000	C41 BC ST 0410	C41 BC ST 0510	C41 BC ST 0610	C41 BC ST 0710	C41 BC ST 0810	C41 BC ST 0910	C41 BC ST 1010	C41 BC ST 1210	

Carrier and mounting profiles are 2 mm, front doors are 1.5 mm and side plate are 1.2 mm.

Taşıyıcı ve montaj profilleri 2 mm, ön kapılar 1.5 mm, sabit kapılar 1.2 mm'dir. Dahili ortam panosu olup, koruma derecesi IP41'dir.



C41 FIXED REAR AND SIDE PLATE / C41 SABİT ARKA VE YAN KAPAK									
		Width / Genişlik (mm)							
		400	500	600	700	800	900	1000	1200
Height / Yükseklik (mm)	1400	C41 FP 1404	C41 FP 1405	C41 FP 1406	C41 FP 1407	C41 FP 1408	C41 FP 1409	C41 FP 1410	C41 FP 1412
	1600	C41 FP 1604	C41 FP 1605	C41 FP 1606	C41 FP 1607	C41 FP 1608	C41 FP 1609	C41 FP 1610	C41 FP 1612
	1800	C41 FP 1804	C41 FP 1805	C41 FP 1806	C41 FP 1807	C41 FP 1808	C41 FP 1809	C41 FP 1810	C41 FP 1812
	2000	C41 FP 2004	C41 FP 2005	C41 FP 2006	C41 FP 2007	C41 FP 2008	C41 FP 2009	C41 FP 2010	C41 FP 2012
	2200	C41 FP 2204	C41 FP 2205	C41 FP 2206	C41 FP 2207	C41 FP 2208	C41 FP 2209	C41 FP 2210	C41 FP 2212



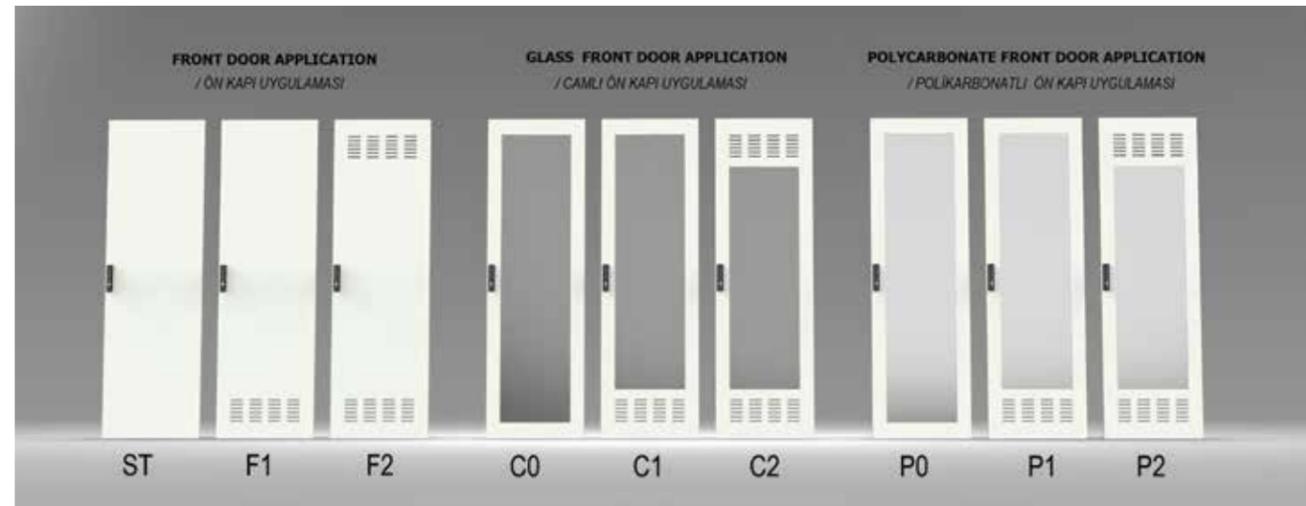
Carrier and mounting profiles are 2 mm, front doors are 1.5 mm and side plate are 1.2 mm.

Taşıyıcı ve montaj profilleri 2 mm, ön kapılar 1.5 mm, sabit kapılar 1.2 mm'dir. Dahili ortam panosu olup, koruma derecesi IP41'dir.

C41 FRONT DOOR / C41 ÖN KAPI										
		Widht / Genişlik (mm)								
		Standard Front Door / Standart Ön Kapi						Double Front Door / Bindirmeli Ön Kapi		
		400	500	600	700	800	900	1000	1000	1200
Height / Yükseklik (cm)	1400	C41 FD 1404 ST	C41 FD 1405 ST	C41 FD 1406 ST	C41 FD 1407 ST	C41 FD 1408 ST	C41 FD 1409 ST	C41 FD 1410 ST	C41 FD 1410 DB ST	C41 FD 1412 DB ST
	1600	C41 FD 1604 ST	C41 FD 1605 ST	C41 FD 1606 ST	C41 FD 1607 ST	C41 FD 1608 ST	C41 FD 1609 ST	C41 FD 1610 ST	C41 FD 1610 DB ST	C41 FD 1612 DB ST
	1800	C41 FD 1804 ST	C41 FD 1805 ST	C41 FD 1806 ST	C41 FD 1807 ST	C41 FD 1808 ST	C41 FD 1809 ST	C41 FD 1810 ST	C41 FD 1810 DB ST	C41 FD 1812 DB ST
	2000	C41 FD 2004 ST	C41 FD 2005 ST	C41 FD 2006 ST	C41 FD 2007 ST	C41 FD 2008 ST	C41 FD 2009 ST	C41 FD 2010 ST	C41 FD 2010 DB ST	C41 FD 2012 DB ST
	2200	C41 FD 2204 ST	C41 FD 2205 ST	C41 FD 2206 ST	C41 FD 2207 ST	C41 FD 2208 ST	C41 FD 2209 ST	C41 FD 2210 ST	C41 FD 2210 DB ST	C41 FD 2212 DB ST

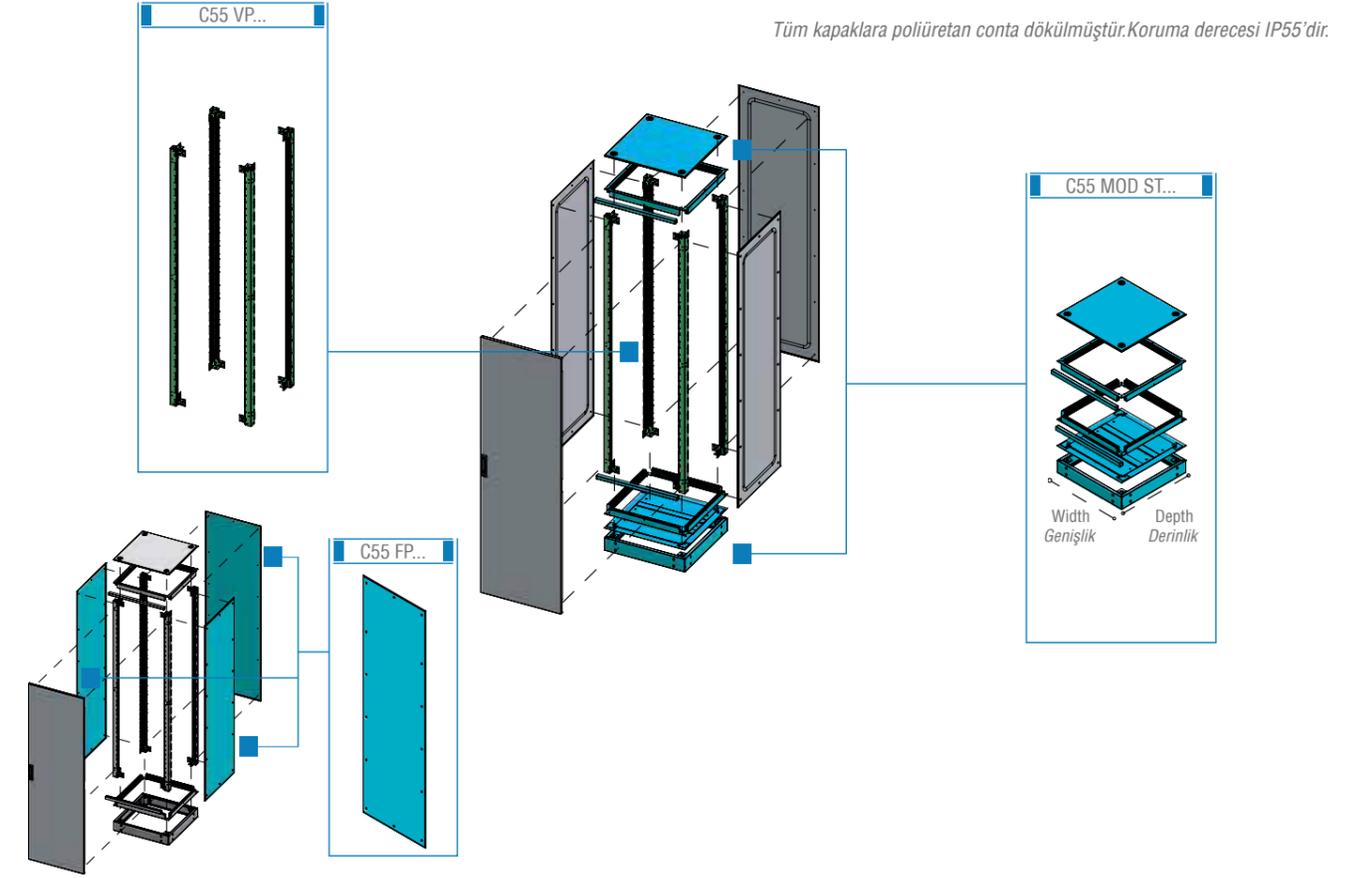
C41 GLASS FRONT DOOR / C41 CAMLI ÖN KAPI										
		Widht / Genişlik (mm)								
		Standard Glass Front Door / Standart Camlı Ön Kapi						Double Glass Front Door / Bindirmeli Camlı Ön Kapi		
		400	500	600	700	800	900	1000	1000	1200
Height / Yükseklik (cm)	1400	C41 FD 1404 GO	C41 FD 1405 GO	C41 FD 1406 GO	C41 FD 1407 GO	C41 FD 1408 GO	C41 FD 1409 GO	C41 FD 1410 GO	C41 FD 1410 DB GO	C41 FD 1412 DB GO
	1600	C41 FD 1604 GO	C41 FD 1605 GO	C41 FD 1606 GO	C41 FD 1607 GO	C41 FD 1608 GO	C41 FD 1609 GO	C41 FD 1610 GO	C41 FD 1610 DB GO	C41 FD 1612 DB GO
	1800	C41 FD 1804 GO	C41 FD 1805 GO	C41 FD 1806 GO	C41 FD 1807 GO	C41 FD 1808 GO	C41 FD 1809 GO	C41 FD 1810 GO	C41 FD 1810 DB GO	C41 FD 1812 DB GO
	2000	C41 FD 2004 GO	C41 FD 2005 GO	C41 FD 2006 GO	C41 FD 2007 GO	C41 FD 2008 GO	C41 FD 2009 GO	C41 FD 2010 GO	C41 FD 2010 DB GO	C41 FD 2012 DB GO
	2200	C41 FD 2204 GO	C41 FD 2205 GO	C41 FD 2206 GO	C41 FD 2207 GO	C41 FD 2208 GO	C41 FD 2209 GO	C41 FD 2210 GO	C41 FD 2210 DB GO	C41 FD 2212 DB GO

C41 POLYCARBONATE FRONT DOOR / C41 POLİKARBONATLI ÖN KAPI										
		Widht / Genişlik (mm)								
		Standard Polycarbonate Front Door / Standart Polikarbonatlı Ön Kapi						Double Polycarbonate Front Door / Bindirmeli Polikarbonatlı Ön Kapi		
		400	500	600	700	800	900	1000	1000	1200
Height / Yükseklik (cm)	1400	C41 FD 1404 PO	C41 FD 1405 PO	C41 FD 1406 PO	C41 FD 1407 PO	C41 FD 1408 PO	C41 FD 1409 PO	C41 FD 1410 PO	C41 FD 1410 DB PO	C41 FD 1412 DB PO
	1600	C41 FD 1604 PO	C41 FD 1605 PO	C41 FD 1606 PO	C41 FD 1607 PO	C41 FD 1608 PO	C41 FD 1609 PO	C41 FD 1610 PO	C41 FD 1610 DB PO	C41 FD 1612 DB PO
	1800	C41 FD 1804 PO	C41 FD 1805 PO	C41 FD 1806 PO	C41 FD 1807 PO	C41 FD 1808 PO	C41 FD 1809 PO	C41 FD 1810 PO	C41 FD 1810 DB PO	C41 FD 1812 DB PO
	2000	C41 FD 2004 PO	C41 FD 2005 PO	C41 FD 2006 PO	C41 FD 2007 PO	C41 FD 2008 PO	C41 FD 2009 PO	C41 FD 2010 PO	C41 FD 2010 DB PO	C41 FD 2012 DB PO
	2200	C41 FD 2204 PO	C41 FD 2205 PO	C41 FD 2206 PO	C41 FD 2207 PO	C41 FD 2208 PO	C41 FD 2209 PO	C41 FD 2210 PO	C41 FD 2210 DB PO	C41 FD 2212 DB PO



Polyurethane gasket is installed on all side of the plates. Protection degree is IP55.

Tüm kapaklara poliüretan conta dökülmüştür. Koruma derecesi IP55'dir.



C55 MODULE SET / C55 MODÜL SETİ									
		Widht / Genişlik (mm)							
		400	500	600	700	800	900	1000	1200
Depth / Derinlik (cm)	400	C55 MOD ST 0404	C55 MOD ST 0504	C55 MOD ST 0604	C55 MOD ST 0704	C55 MOD ST 0804	C55 MOD ST 0904	C55 MOD ST 1004	C55 MOD ST 1204
	500	C55 MOD ST 0405	C55 MOD ST 0505	C55 MOD ST 0605	C55 MOD ST 0705	C55 MOD ST 0805	C55 MOD ST 0905	C55 MOD ST 1005	C55 MOD ST 1205
	600	C55 MOD ST 0406	C55 MOD ST 0506	C55 MOD ST 0606	C55 MOD ST 0706	C55 MOD ST 0806	C55 MOD ST 0906	C55 MOD ST 1006	C55 MOD ST 1206
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	800	C55 MOD ST 0408	C55 MOD ST 0508	C55 MOD ST 0608	C55 MOD ST 0708	C55 MOD ST 0808	C55 MOD ST 0908	C55 MOD ST 1008	C55 MOD ST 1208
	900	C55 MOD ST 0409	C55 MOD ST 0509	C55 MOD ST 0609	C55 MOD ST 0709	C55 MOD ST 0809	C55 MOD ST 0909	C55 MOD ST 1009	C55 MOD ST 1209
	1000	C55 MOD ST 0410	C55 MOD ST 0510	C55 MOD ST 0610	C55 MOD ST 0710	C55 MOD ST 0810	C55 MOD ST 0910	C55 MOD ST 1010	C55 MOD ST 1210

C55 VERTICAL PROFILE SET / C55 DİKEY PROFİL SETİ				
Height / Yükseklik (mm)				
1400	1600	1800	2000	2200
C55 VP 14	C55 VP 16	C55 VP 18	C55 VP 20	C55 VP 22

C55 FIXED REAR AND SIDE PLATE / C55 SABİT ARKA VE YAN KAPAK									
		Widht / Genişlik (mm)							
		400	500	600	700	800	900	1000	1200
Height / Yükseklik (mm)	1400	C55 FP 1404	C55 FP 1405	C55 FP 1406	C55 FP 1407	C55 FP 1408	C55 FP 1409	C55 FP 1410	C55 FP 1412
	1600	C55 FP 1604	C55 FP 1605	C55 FP 1606	C55 FP 1607	C55 FP 1608	C55 FP 1609	C55 FP 1610	C55 FP 1612
	1800	C55 FP 1804	C55 FP 1805	C55 FP 1806	C55 FP 1807	C55 FP 1808	C55 FP 1809	C55 FP 1810	C55 FP 1812
	2000	C55 FP 2004	C55 FP 2005	C55 FP 2006	C55 FP 2007	C55 FP 2008	C55 FP 2009	C55 FP 2010	C55 FP 2012
	2200	C55 FP 2204	C55 FP 2205	C55 FP 2206	C55 FP 2207	C55 FP 2208	C55 FP 2209	C55 FP 2210	C55 FP 2212

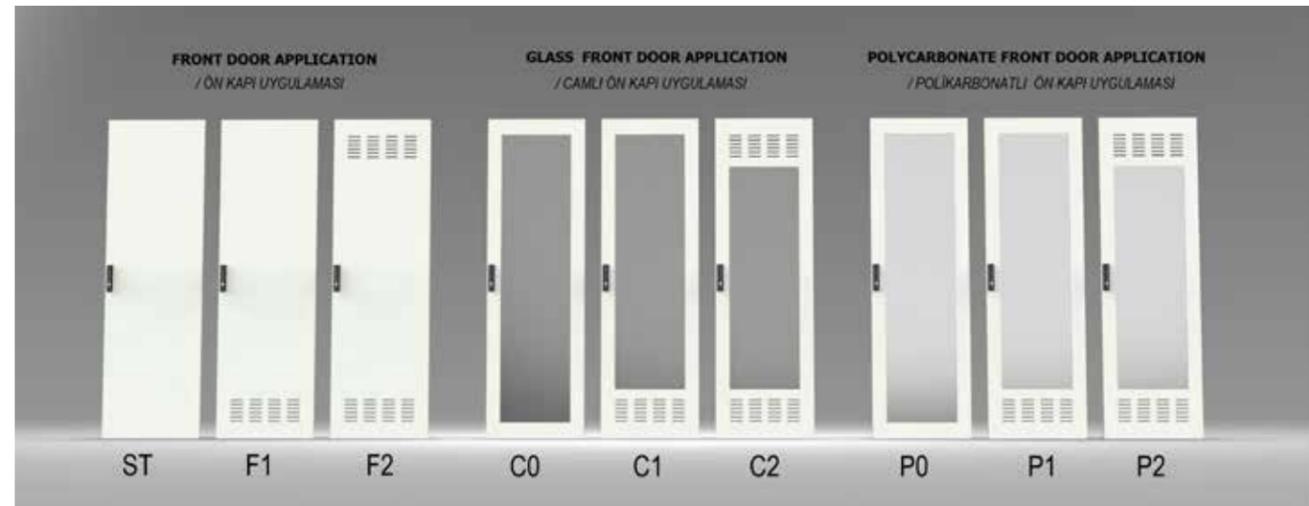
Polyurethane gasket is installed on all side of the plates. Protection degree is IP55.

Tüm kapaklara poliüretan conta dökülmüştür.Koruma derecesi IP55'dir.

C55 FRONT DOOR / C55 ÖN KAPI										
Widht / Genişlik (mm)										
Standard Front Door / Standart Ön Kapi										
Double Front Door / Bindirmeli Ön Kapi										
400 500 600 700 800 900 1000 1000 1200										
Height / Yükseklik (cm)	1400	C55 FD 1404 ST	C55 FD 1405 ST	C55 FD 1406 ST	C55 FD 1407 ST	C55 FD 1408 ST	C55 FD 1409 ST	C55 FD 1410 ST	C55 FD 1410 DB ST	C55 FD 1412 DB ST
	1600	C55 FD 1604 ST	C55 FD 1605 ST	C55 FD 1606 ST	C55 FD 1607 ST	C55 FD 1608 ST	C55 FD 1609 ST	C55 FD 1610 ST	C55 FD 1610 DB ST	C55 FD 1612 DB ST
	1800	C55 FD 1804 ST	C55 FD 1805 ST	C55 FD 1806 ST	C55 FD 1807 ST	C55 FD 1808 ST	C55 FD 1809 ST	C55 FD 1810 ST	C55 FD 1810 DB ST	C55 FD 1812 DB ST
	2000	C55 FD 2004 ST	C55 55 2005 ST	C55 FD 2006 ST	C55 FD 2007 ST	C55 FD 2008 ST	C55 FD 2009 ST	C55 FD 2010 ST	C55 FD 2010 DB ST	C55 FD 2012 DB ST
	2200	C55 FD 2204 ST	C55 55 2205 ST	C55 FD 2206 ST	C55 FD 2207 ST	C55 FD 2208 ST	C55 FD 2209 ST	C55 FD 2210 ST	C55 FD 2210 DB ST	C55 FD 2212 DB ST

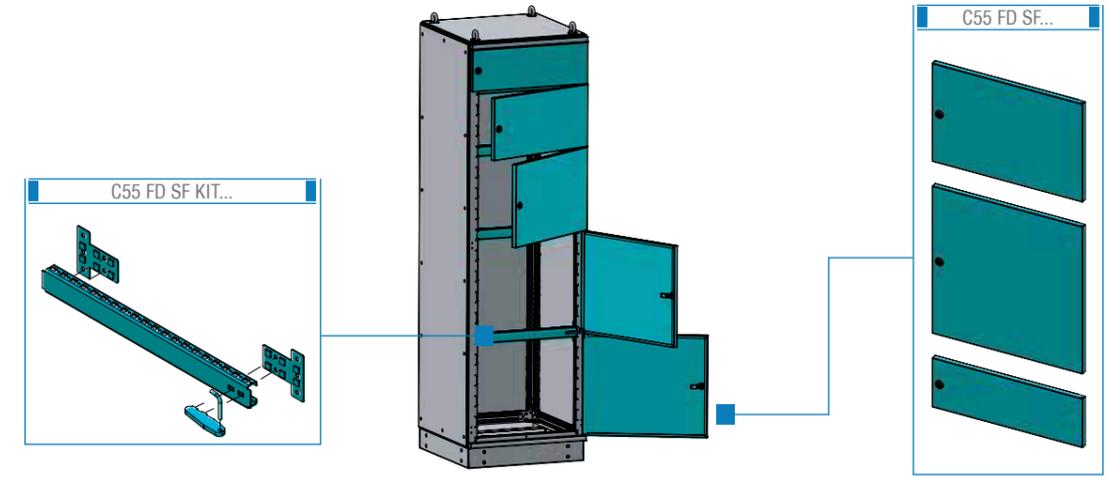
C55 GLASS FRONT DOOR / C55 CAMLI ÖN KAPI										
Widht / Genişlik (mm)										
Standard Glass Front Door / Standart Camlı Ön Kapi										
Double Glass Front Door / Bindirmeli Camlı Ön Kapi										
400 500 600 700 800 900 1000 1000 1200										
Height / Yükseklik (cm)	1400	C55 FD 1404 GO	C55 FD 1405 GO	C55 FD 1406 GO	C55 FD 1407 GO	C55 FD 1408 GO	C55 FD 1409 GO	C55 FD 1410 GO	C55 FD 1410 DB GO	C55 FD 1412 DB GO
	1600	C55 FD 1604 GO	C55 FD 1605 GO	C55 FD 1606 GO	C55 FD 1607 GO	C55 FD 1608 GO	C55 FD 1609 GO	C55 FD 1610 GO	C55 FD 1610 DB GO	C55 FD 1612 DB GO
	1800	C55 FD 1804 GO	C55 FD 1805 GO	C55 FD 1806 GO	C55 FD 1807 GO	C55 FD 1808 GO	C55 FD 1809 GO	C55 FD 1810 GO	C55 FD 1810 DB GO	C55 FD 1812 DB GO
	2000	C55 FD 2004 GO	C55 FD 2005 GO	C55 FD 2006 GO	C55 FD 2007 GO	C55 FD 2008 GO	C55 FD 2009 GO	C55 FD 2010 GO	C55 FD 2010 DB GO	C55 FD 2012 DB GO
	2200	C55 FD 2204 GO	C55 FD 2205 GO	C55 FD 2206 GO	C55 FD 2207 GO	C55 FD 2208 GO	C55 FD 2209 GO	C55 FD 2210 GO	C55 FD 2210 DB GO	C55 FD 2212 DB GO

C55 POLYCARBONATE FRONT DOOR / C55 POLİKARBONATLI ÖN KAPI										
Widht / Genişlik (mm)										
Standard Polycarbonate Front Door / Standart Polikarbonatlı Ön Kapi										
Double Polycarbonate Front Door / Bindirmeli Polikarbonatlı Ön Kapi										
400 500 600 700 800 900 1000 1000 1200										
Height / Yükseklik (cm)	1400	C55 FD 1404 PO	C55 FD 1405 PO	C55 FD 1406 PO	C55 FD 1407 PO	C55 FD 1408 PO	C55 FD 1409 PO	C55 FD 1410 PO	C55 FD 1410 DB PO	C55 FD 1412 DB PO
	1600	C55 FD 1604 PO	C55 FD 1605 PO	C55 FD 1606 PO	C55 FD 1607 PO	C55 FD 1608 PO	C55 FD 1609 PO	C55 FD 1610 PO	C55 FD 1610 DB PO	C55 FD 1612 DB PO
	1800	C55 FD 1804 PO	C55 FD 1805 PO	C55 FD 1806 PO	C55 FD 1807 PO	C55 FD 1808 PO	C55 FD 1809 PO	C55 FD 1810 PO	C55 FD 1810 DB PO	C55 FD 1812 DB PO
	2000	C55 FD 2004 PO	C55 FD 2005 PO	C55 FD 2006 PO	C55 FD 2007 PO	C55 FD 2008 PO	C55 FD 2009 PO	C55 FD 2010 PO	C55 FD 2010 DB PO	C55 FD 2012 DB PO
	2200	C55 FD 2204 PO	C55 FD 2205 PO	C55 FD 2206 PO	C55 FD 2207 PO	C55 FD 2208 PO	C55 FD 2209 PO	C55 FD 2210 PO	C55 FD 2210 DB PO	C55 FD 2212 DB PO



Polyurethane gasket is installed on all side of the plates. Protection degree is IP55.

Tüm kapaklara poliüretan conta dökülmüştür.Koruma derecesi IP55'dir.

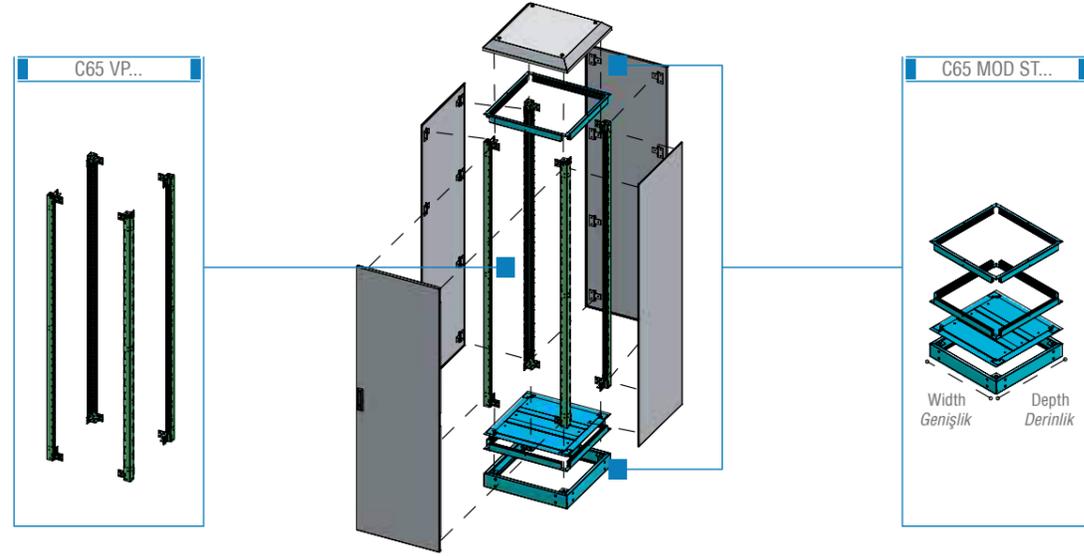


C55 SECTIONAL FRONT DOORS KIT / C55 PARÇALI ÖN KAPAK APARATI		
Widht / Genişlik (mm)		
600v	700	800
C55 FD SF KIT 06	C55 FD SF KIT 08	C55 FD SF KIT 10

C55 SECTIONAL FRONT DOORS / C55 PARÇALI ÖN KAPILAR				
Widht / Genişlik (mm)				
600 800 1000				
Height / Yükseklik (mm)	200	C55 FD SF 0206	C55 FD SF 0208	C55 FD SF 0210
	300	C55 FD SF 0306	C55 FD SF 0308	C55 FD SF 0310
	400	C55 FD SF 0406	C55 FD SF 0408	C55 FD SF 0410
	500	C55 FD SF 0506	C55 FD SF 0508	C55 FD SF 0510
	600	C55 FD SF 0606	C55 FD SF 0608	C55 FD SF 0610
	700	C55 FD SF 0706	C55 FD SF 0708	C55 FD SF 0710
	800	C55 FD SF 0806	C55 FD SF 0808	C55 FD SF 0810
	900	C55 FD SF 0906	C55 FD SF 0908	C55 FD SF 0910
	1000	C55 FD SF 1006	C55 FD SF 1008	C55 FD SF 1010
	1100	C55 FD SF 1106	C55 FD SF 1108	C55 FD SF 1110
	1200	C55 FD SF 1206	C55 FD SF 1208	C55 FD SF 1210
	1300	C55 FD SF 1306	C55 FD SF 1308	C55 FD SF 1310
	1400	C55 FD SF 1406	C55 FD SF 1408	C55 FD SF 1410
	1500	C55 FD SF 1506	C55 FD SF 1508	C55 FD SF 1510
	1600	C55 FD SF 1606	C55 FD SF 1608	C55 FD SF 1610

ArelPan C65 series are external environment cabinets and they have IP65 protection. Polyurethane gasket is installed on all side of the plates.

ArelPan C65 serisi harici ortam kabinleri olup, IP65 koruma sınıfına sahiptir. Kapı ve kapaklarda conta uygulaması yapılmıştır.



C65 VERTICAL PROFILE SET / C65 DİKEY PROFİL SETİ

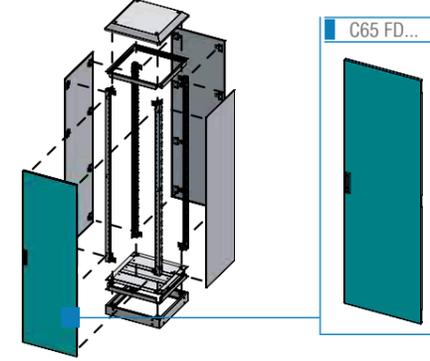
Height / Yükseklik (mm)				
1400	1600	1800	2000	2200
C65 VP 14	C65 VP 16	C65 VP 18	C65 VP 20	C65 VP 22

C65 MODULE SET / C65 MODÜL SETİ

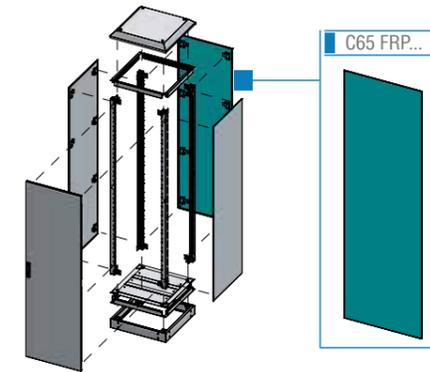
Width / Genişlik (mm)						
Depth / Derinlik (cm)						
	400	500	600	700	800	900
400	C65 MOD ST 0404	C65 MOD ST 0504	C65 MOD ST 0604	C65 MOD ST 0704	C65 MOD ST 0804	C65 MOD ST 0904
500	C65 MOD ST 0405	C65 MOD ST 0505	C65 MOD ST 0605	C65 MOD ST 0705	C65 MOD ST 0805	C65 MOD ST 0905
600	C65 MOD ST 0406	C65 MOD ST 0506	C65 MOD ST 0606	C65 MOD ST 0706	C65 MOD ST 0806	C65 MOD ST 0906
700	C65 MOD ST 0407	C65 MOD ST 0507	C65 MOD ST 0607	C65 MOD ST 0707	C65 MOD ST 0807	C65 MOD ST 0907
800	C65 MOD ST 0408	C65 MOD ST 0508	C65 MOD ST 0608	C65 MOD ST 0708	C65 MOD ST 0808	C65 MOD ST 0908
900	C65 MOD ST 0409	C65 MOD ST 0509	C65 MOD ST 0609	C65 MOD ST 0709	C65 MOD ST 0809	C65 MOD ST 0909
1000	C65 MOD ST 0410	C65 MOD ST 0510	C65 MOD ST 0610	C65 MOD ST 0710	C65 MOD ST 0810	C65 MOD ST 0910

ArelPan C65 series are external environment cabinets and they have IP65 protection. Polyurethane gasket is installed on all side of the plates.

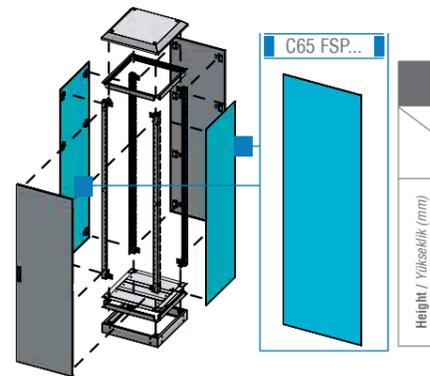
ArelPan C65 serisi harici ortam kabinleri olup, IP65 koruma sınıfına sahiptir. Kapı ve kapaklarda conta uygulaması yapılmıştır.



C65 FRONT DOOR / C65 ÖN KAPI						
Width / Genişlik (mm)						
Height / Yükseklik (mm)						
	400	500	600	700	800	900
1400	C65 FD 1404 ST	C65 FD 1405 ST	C65 FD 1406 ST	C65 FD 1407 ST	C65 FD 1408 ST	C65 FD 1409 ST
1600	C65 FD 1604 ST	C65 FD 1605 ST	C65 FD 1606 ST	C65 FD 1607 ST	C65 FD 1608 ST	C65 FD 1609 ST
1800	C65 FD 1804 ST	C65 FD 1805 ST	C65 FD 1806 ST	C65 FD 1807 ST	C65 FD 1808 ST	C65 FD 1809 ST
2000	C65 FD 2004 ST	C65 FD 2005 ST	C65 FD 2006 ST	C65 FD 2007 ST	C65 FD 2008 ST	C65 FD 2009 ST
2200	C65 FD 2204 ST	C65 FD 2205 ST	C65 FD 2206 ST	C65 FD 2207 ST	C65 FD 2208 ST	C65 FD 2209 ST



C65 FIXED REAR PLATE / C65 ARKA KAPAK						
Width / Genişlik (mm)						
Height / Yükseklik (mm)						
	400	500	600	700	800	900
1400	C65 FRP 1404	C65 FRP 1405	C65 FRP 1406	C65 FRP 1407	C65 FRP 1408	C65 FRP 1409
1600	C65 FRP 1604	C65 FRP 1605	C65 FRP 1606	C65 FRP 1607	C65 FRP 1608	C65 FRP 1609
1800	C65 FRP 1804	C65 FRP 1805	C65 FRP 1806	C65 FRP 1807	C65 FRP 1808	C65 FRP 1809
2000	C65 FRP 2004	C65 FRP 2005	C65 FRP 2006	C65 FRP 2007	C65 FRP 2008	C65 FRP 2009
2200	C65 FRP 2204	C65 FRP 2205	C65 FRP 2206	C65 FRP 2207	C65 FRP 2208	C65 FRP 2209

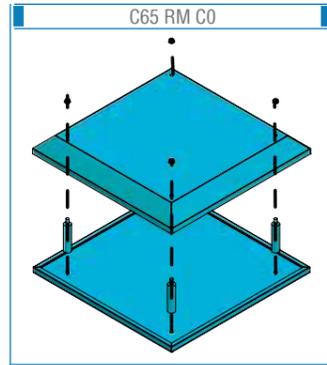
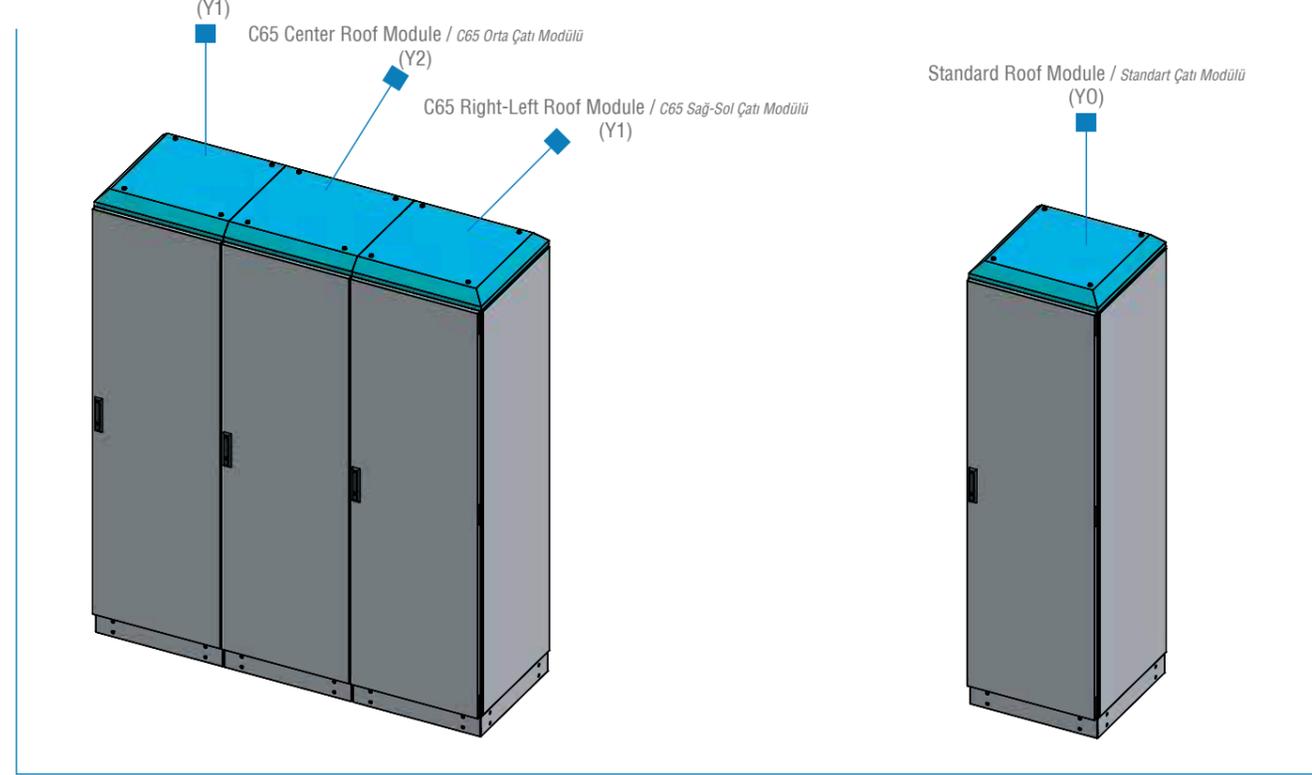


C65 FIXED SIDE PLATE / C65 YAN KAPAK							
Depth / Derinlik (mm)							
Height / Yükseklik (mm)							
	400	500	600	700	800	900	1000
1400	C65 FSP 1404	C65 FSP 1405	C65 FSP 1406	C65 FSP 1407	C65 FSP 1408	C65 FSP 1409	C65 FSP 1410
1600	C65 FSP 1604	C65 FSP 1605	C65 FSP 1606	C65 FSP 1607	C65 FSP 1608	C65 FSP 1609	C65 FSP 1610
1800	C65 FSP 1804	C65 FSP 1805	C65 FSP 1806	C65 FSP 1807	C65 FSP 1808	C65 FSP 1809	C65 FSP 1810
2000	C65 FSP 2004	C65 FSP 2005	C65 FSP 2006	C65 FSP 2007	C65 FSP 2008	C65 FSP 2009	C65 FSP 2010
2200	C65 FSP 2204	C65 FSP 2205	C65 FSP 2206	C65 FSP 2207	C65 FSP 2208	C65 FSP 2209	C65 FSP 2210

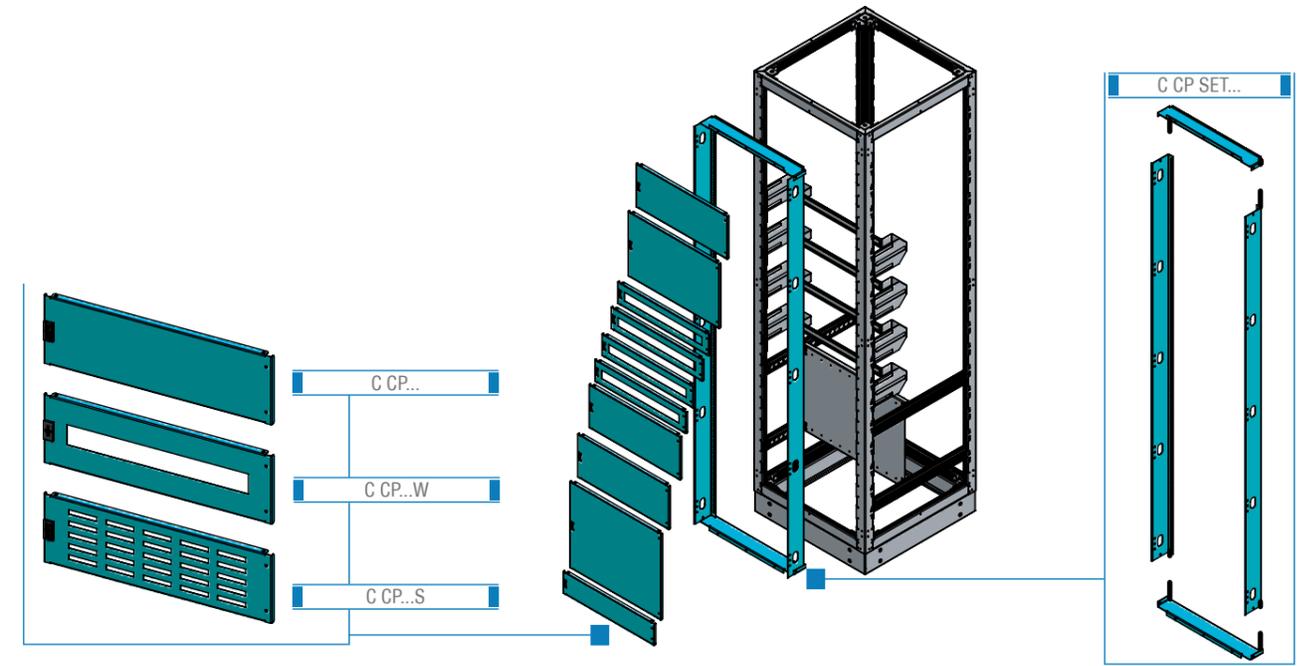
ArelPan C65 series are external environment cabinets and they have IP65 protection. Polyurethane gasket is installed on all side of the plates.

ArelPan C65 serisi harici ortam kabinleri olup, IP65 koruma sınıfına sahiptir. Kapı ve kapaklarda conta uygulaması yapılmıştır.

C65 Right-Left Roof Module / C65 Sağ-Sol Çatı Modülü

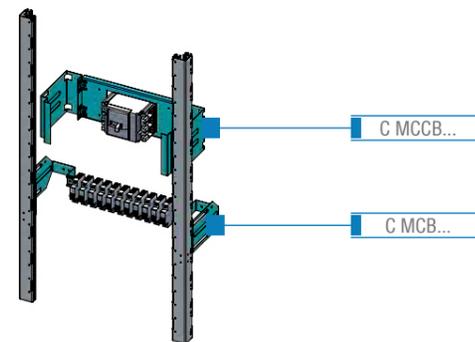


C65 ROOF MODULE / C65 ÇATI MODÜLÜ							
		Widht / Genişlik (mm)					
		400	500	600	700	800	900
Depth / Derinlik (mm)	400	C65 RM Y0 0404	C65 RM Y0 0504	C65 RM Y0 0604	C65 RM Y0 0704	C65 RM Y0 0804	C65 RM Y0 0904
	500	C65 RM Y0 0405	C65 RM Y0 0505	C65 RM Y0 0605	C65 RM Y0 0705	C65 RM Y0 0805	C65 RM Y0 0905
	600	C65 RM Y0 0406	C65 RM Y0 0506	C65 RM Y0 0606	C65 RM Y0 0706	C65 RM Y0 0806	C65 RM Y0 0906
	700	C65 RM Y0 0407	C65 RM Y0 0507	C65 RM Y0 0607	C65 RM Y0 0707	C65 RM Y0 0807	C65 RM Y0 0907
	800	C65 RM Y0 0408	C65 RM Y0 0508	C65 RM Y0 0608	C65 RM Y0 0708	C65 RM Y0 0808	C65 RM Y0 0908
	900	C65 RM Y0 0409	C65 RM Y0 0509	C65 RM Y0 0609	C65 RM Y0 0709	C65 RM Y0 0809	C65 RM Y0 0909
	1000	C65 RM Y0 0410	C65 RM Y0 0510	C65 RM Y0 0610	C65 RM Y0 0710	C65 RM Y0 0810	C65 RM Y0 0910



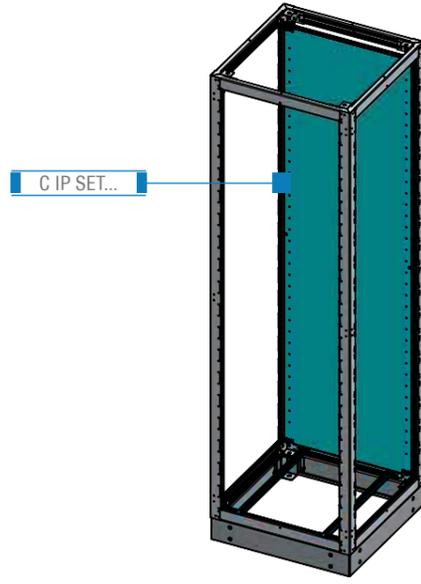
C SERIAL COVER PROFILE SET / C SERİSİ ÖRTÜ PLAKASI PROFİL TAKIMI							
		Widht / Genişlik (mm)					
		400	500	600	700	800	900
Height / Yükseklik (mm)	1400	C CP SET 1404	C CP SET 1405	C CP SET 1406	C CP SET 1407	C CP SET 1408	C CP SET 1409
	1600	C CP SET 1604	C CP SET 1605	C CP SET 1606	C CP SET 1607	C CP SET 1608	C CP SET 1609
	1800	C CP SET 1804	C CP SET 1805	C CP SET 1806	C CP SET 1807	C CP SET 1808	C CP SET 1809
	2000	C CP SET 2004	C CP SET 2005	C CP SET 2006	C CP SET 2007	C CP SET 2008	C CP SET 2009
	2200	C CP SET 2204	C CP SET 2205	C CP SET 2206	C CP SET 2207	C CP SET 2208	C CP SET 2209

C SERIAL COVER PLATE / C SERİSİ ÖRTÜ PLAKASI												
		Heigh / Yükseklik (mm)										
		50	100	150	200	250	300	350	400	450	500	600
Height / Yükseklik (mm)	400	C CP 0504	C CP 1004	C CP 1504	C CP 2004	C CP 2504	C CP 3004	C CP 3504	C CP 4004	C CP 4504	C CP 5004	C CP 6004
	500	C CP 0505	C CP 1005	C CP 1505	C CP 2005	C CP 2505	C CP 3005	C CP 3505	C CP 4005	C CP 4505	C CP 5005	C CP 6005
	600	C CP 0506	C CP 1006	C CP 1506	C CP 2006	C CP 2506	C CP 3006	C CP 3506	C CP 4006	C CP 4506	C CP 5006	C CP 6006
	700	C CP 0507	C CP 1007	C CP 1507	C CP 2007	C CP 2507	C CP 3007	C CP 3507	C CP 4007	C CP 4507	C CP 5007	C CP 6007
	800	C CP 0508	C CP 1008	C CP 1508	C CP 2008	C CP 2508	C CP 3008	C CP 3508	C CP 4008	C CP 4508	C CP 5008	C CP 6008
900	C CP 0509	C CP 1009	C CP 1509	C CP 2009	C CP 2509	C CP 3009	C CP 3509	C CP 4009	C CP 4509	C CP 5009	C CP 6009	



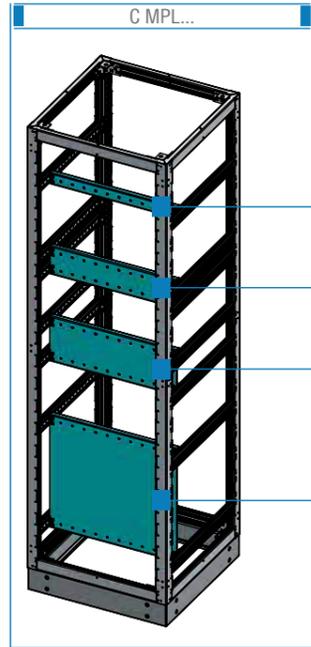
C SERIAL MCB MOUNTING KIT / C SERİSİ RAY SETİ							
		Widht / Genişlik (mm)					
		400	500	600	700	800	900
Height / Yükseklik (mm)	150 mm	C MCB 04	C MCB 05	C MCB 06	C MCB 07	C MCB 08	C MCB 09
	200 mm	C MCB 04	C MCB 05	C MCB 06	C MCB 07	C MCB 08	C MCB 09

		Widht / Genişlik (mm)					
		400	500	600	700	800	900
Height / Yükseklik (mm)	150 mm	C MCCB 1504	C MCCB 1505	C MCCB 1506	C MCCB 1507	C MCCB 1508	C MCCB 1509
	200 mm	C MCCB 2004	C MCCB 2005	C MCCB 2006	C MCCB 2007	C MCCB 2008	C MCCB 2009



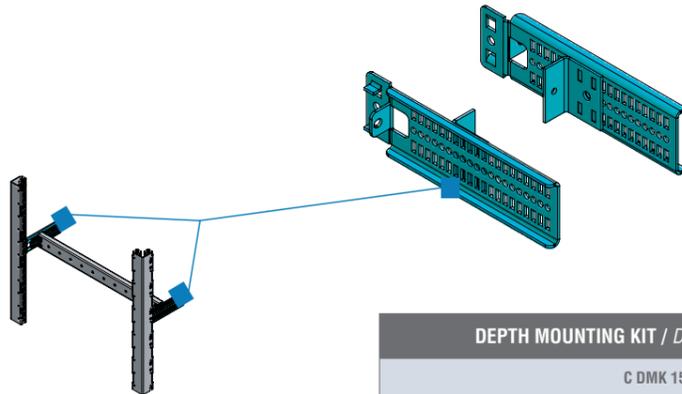
C SERIAL INSTALLATION PLATE SET / C SERİSİ TABAN SAGI SETİ

Height / Yükseklik (mm)	Width / Genişlik (mm)							
	400	500	600	700	800	900	1000	1200
1400	C IP SET 1404	C IP SET 1405	C IP SET 1406	C IP SET 1407	C IP SET 1408	C IP SET 1409	C IP SET 1410	C IP SET 1412
1600	C IP SET 1604	C IP SET 1605	C IP SET 1606	C IP SET 1607	C IP SET 1608	C IP SET 1609	C IP SET 1610	C IP SET 1612
1800	C IP SET 1804	C IP SET 1805	C IP SET 1806	C IP SET 1807	C IP SET 1808	C IP SET 1809	C IP SET 1810	C IP SET 1812
2000	C IP SET 2004	C IP SET 2005	C IP SET 2006	C IP SET 2007	C IP SET 2008	C IP SET 2009	C IP SET 2010	C IP SET 2012
2200	C IP SET 2204	C IP SET 2205	C IP SET 2206	C IP SET 2207	C IP SET 2208	C IP SET 2209	C IP SET 2210	C IP SET 2212



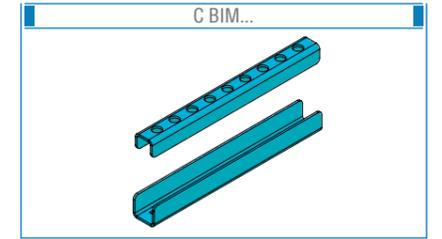
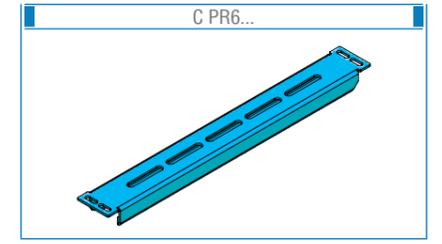
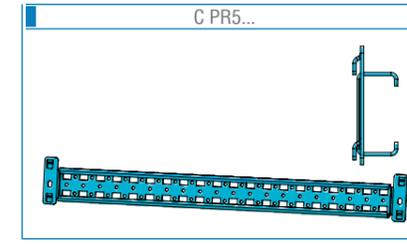
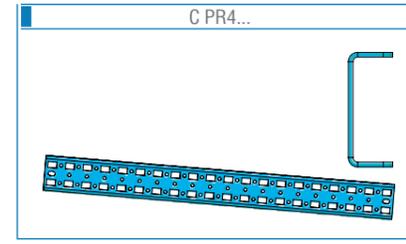
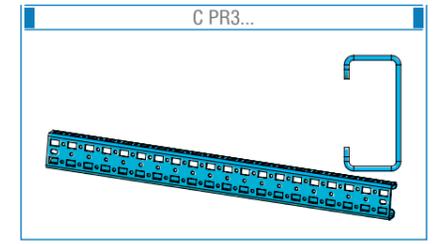
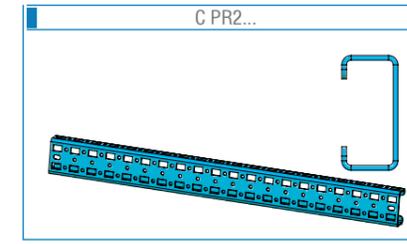
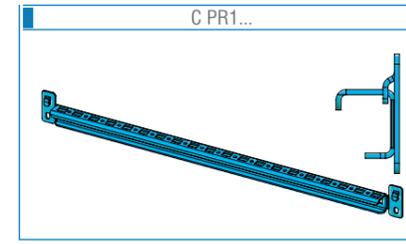
C SERIAL MOUNTING PLATE / C SERİSİ MONTAJ PLAKASI

Width / Genişlik (mm)	Height / Yükseklik (mm)						
	50	100	150	200	300	400	500
400	C MPL 0504	C MPL 1004	C MPL 1504	C MPL 2004	C MPL 3004	C MPL 4004	C MPL 5004
500	C MPL 0505	C MPL 1005	C MPL 1505	C MPL 2005	C MPL 3005	C MPL 4005	C MPL 5005
600	C MPL 0506	C MPL 1006	C MPL 1506	C MPL 2006	C MPL 3006	C MPL 4006	C MPL 5006
700	C MPL 0507	C MPL 1007	C MPL 1507	C MPL 2007	C MPL 3007	C MPL 4007	C MPL 5007
800	C MPL 0508	C MPL 1008	C MPL 1508	C MPL 2008	C MPL 3008	C MPL 4008	C MPL 5008
900	C MPL 0909	C MPL 1009	C MPL 1509	C MPL 2009	C MPL 3009	C MPL 4009	C MPL 5009
1000	C MPL 0510	C MPL 1010	C MPL 1510	C MPL 2010	C MPL 3010	C MPL 4010	C MPL 5010
1200	C MPL 0512	C MPL 1012	C MPL 1512	C MPL 2012	C MPL 3012	C MPL 4012	C MPL 5012



DEPTH MOUNTING KIT / DERİNLİK MONTAJ TAKIMI

C DMK 15

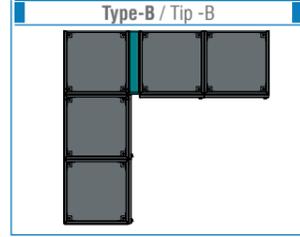
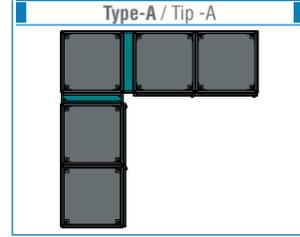
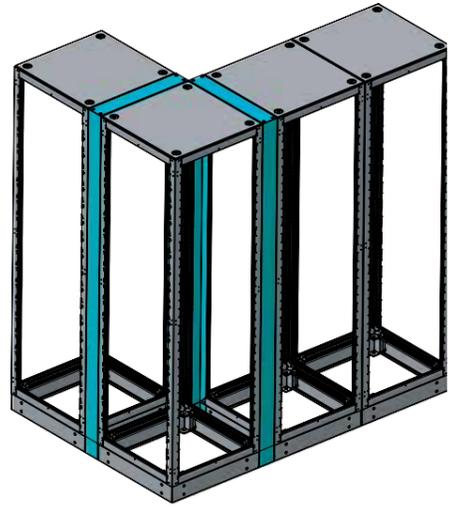


C SERIAL BUSBAR ISALATOR MOUNTING / C SERİSİ BARA PROFİL SETİ

Profil Uzunluğu / Profile Length (mm)		
250	350	450
C BIM 25	C BIM 35	C BIM 45

C SERIAL MOUNTING PROFILES / C SERİSİ MONTAJ PROFİLLERİ

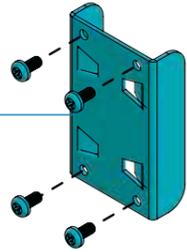
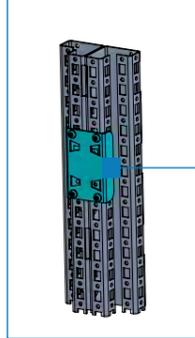
PROFILE LENGTH / PROFİL ANMA UZUNLUĞU (mm)	MOUNTING PROFILES / MONTAJ PROFİLLERİ					
	PR1	PR2	PR3	PR4	PR5	PR6
300	C PR1 03	C PR2 03	C PR3 03	C PR4 03	C PR5 03	C PR6 03
400	C PR1 04	C PR2 04	C PR3 04	C PR4 04	C PR5 04	C PR6 04
500	C PR1 05	C PR2 05	C PR3 05	C PR4 05	C PR5 05	C PR6 05
600	C PR1 06	C PR2 06	C PR3 06	C PR4 06	C PR5 06	C PR6 06
700	C PR1 07	C PR2 07	C PR3 07	C PR4 07	C PR5 07	C PR6 07
800	C PR1 08	C PR2 08	C PR3 08	C PR4 08	C PR5 08	C PR6 08
900	C PR1 09	C PR2 09	C PR3 09	C PR4 09	C PR5 09	C PR6 09
1250	C PR1 125	C PR2 125	C PR3 125	C PR4 125	C PR5 125	-
1450	C PR1 145	C PR2 145	C PR3 145	C PR4 145	C PR5 145	-
1650	C PR1 165	C PR2 165	C PR3 165	C PR4 165	C PR5 165	-
1850	C PR1 185	C PR2 185	C PR3 185	C PR4 185	C PR5 185	-
2050	C PR1 205	C PR2 205	C PR3 205	C PR4 205	C PR5 205	-



C SERIAL CORNER MOUNTING MODULE / C SERİSİ KÖŞE MODÜLÜ

Height / Yükseklik (mm)	Depth / Derinlik (mm)						
	400	500	600	700	800	900	1000
1400	C CMM 1404	C CMM 1405	C CMM 1406	C CMM 1407	C CMM 1408	C CMM 1409	C CMM 1410
1600	C CMM 1604	C CMM 1605	C CMM 1606	C CMM 1607	C CMM 1608	C CMM 1609	C CMM 1610
1800	C CMM 1804	C CMM 1805	C CMM 1806	C CMM 1807	C CMM 1808	C CMM 1809	C CMM 1810
2000	C CMM 2004	C CMM 2005	C CMM 2006	C CMM 2007	C CMM 2008	C CMM 2009	C CMM 2010
2200	C CMM 2204	C CMM 2205	C CMM 2206	C CMM 2207	C CMM 2208	C CMM 2209	C CMM 2210

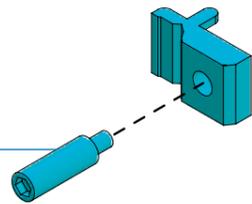
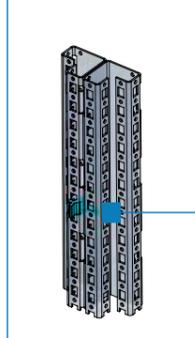
C41 CK KT



PANEL COMBINATION KIT (IP41) / PANO BİRLEŞTİRME MODÜLÜ(IP41)

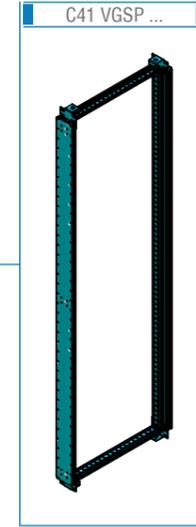
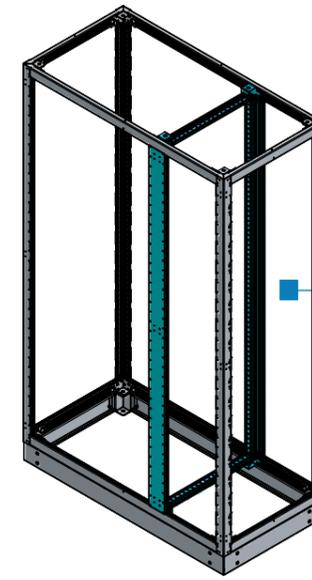
C41 CK KT

C55 CK KT



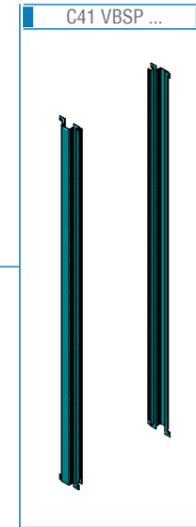
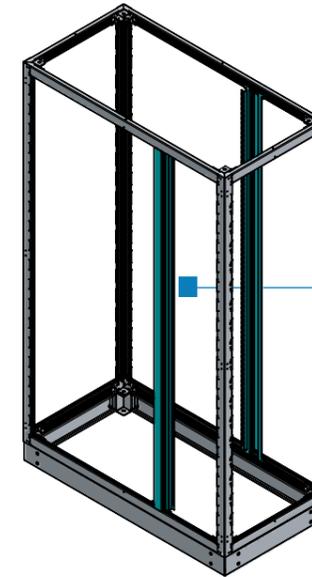
PANEL COMBINATION KIT (IP55-65) / PANO BİRLEŞTİRME MODÜLÜ(IP55-65)

C55 CK KT



C SERIAL VERTICAL GENERAL SEPARATION PROFILE KIT / C SERİSİ GENEL BÖLMELENDİRME PROFİL SETİ

Height / Yükseklik (mm)				
1400	1600	1800	2000	2200
C41 VGSP 14	C41 VGSP 16	C41 VGSP 18	C41 VGSP 20	C41 VGSP 22
C55 VGSP 14	C55 VGSP 16	C55 VGSP 18	C55 VGSP 20	C55 VGSP 22



C SERIAL VERTICAL BUSBAR SEPARATION PROFILE KIT / C SERİSİ BARA BÖLMELENDİRME PROFİL SETİ

Height / Yükseklik (mm)				
1400	1600	1800	2000	2200
C41 VBSP 14	C41 VBSP 16	C41 VBSP 18	C41 VBSP 20	C41 VBSP 22
C55 VBSP 14	C55 VBSP 16	C55 VBSP 18	C55 VBSP 20	C55 VBSP 22

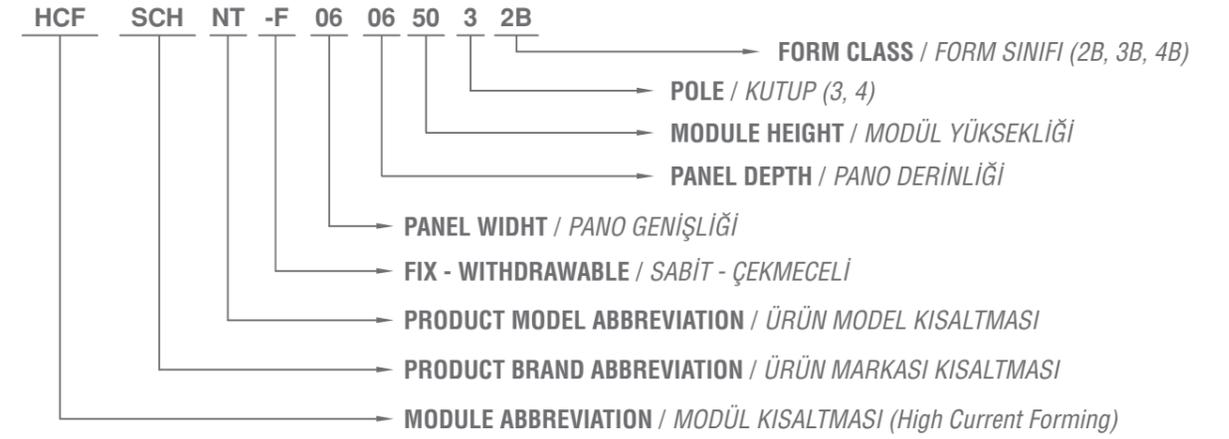
LOW VOLTAGE DISTRIBUTION BOARD APPLICATIONS

ALÇAK GERİLİM DAĞITIM PANOSU UYGULAMALARI

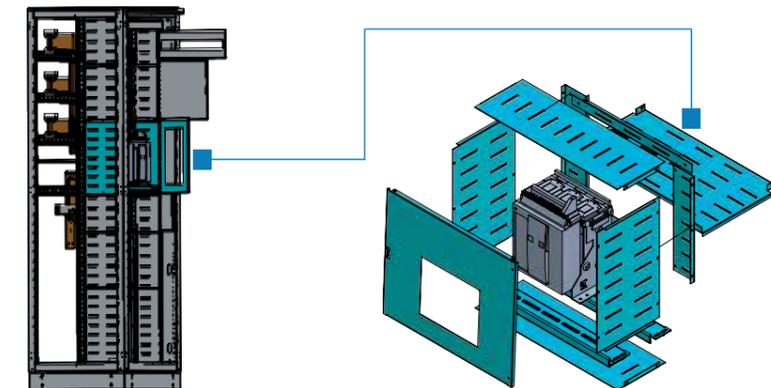


FORMING MODULES FOR HIGH CURRENT AIR CIRCUIT BREAKERS-HCF / AÇIK TİP ŞALTER FORMLAMA MODÜLLERİ-HCF

HCF CODING NOTATION / CBH KODLAMA NOTASYONU



FORMING MODULES FOR HIGH CURRENT AIR CIRCUIT BREAKERS-HCF / AÇIK TİP ŞALTER FORMLAMA MODÜLLERİ-HCF							
Current Range / Akım Aralığı	Circuit Breaker Type / Şalter Tipi		NT06-NT16 3P FIX / Sabit	T06-NT16 3P WITHDRAWABLE / Çekmece	NT06-NT16 4P FIX / Sabit	NT06-NT16 4P WITHDRAWABLE / Çekmece	
	Module Height / Modül Yüksekliği		500 mm				
630 A-1600A	Panel Weight and Height / Pano Genişlik ve Yüksekliği	500X600 (mm) W X D	2B	HCF SCH NT-F 0506503 2B	HCF SCH NT-W 0506503 2B	-	-
			3B	HCF SCH NT-F 0506503 3B	HCF SCH NT-W 0506503 3B	-	-
			4B	HCF SCH NT-F 0506503 4B	HCF SCH NT-W 0506503 4B	-	-
		500X800 (mm) W X D	2B	HCF SCH NT-F 0508503 2B	HCF SCH NT-W 0508503 2B	-	-
			3B	HCF SCH NT-F 0508503 3B	HCF SCH NT-W 0508503 3B	-	-
			4B	HCF SCH NT-F 0508503 4B	HCF SCH NT-W 0508503 4B	-	-
	Panel Weight and Height / Pano Genişlik ve Yüksekliği	600X600 (mm) W X D	2B	-	-	HCF SCH NT-F 0606504 2B	HCF SCH NT-W 0606504 2B
			3B	-	-	HCF SCH NT-F 0606504 3B	HCF SCH NT-W 0606504 3B
			4B	-	-	HCF SCH NT-F 0606504 4B	HCF SCH NT-W 0606504 4B
		600X800 (mm) W X D	2B	-	-	HCF SCH NT-F 0608504 2B	HCF SCH NT-W 0608504 2B
			3B	-	-	HCF SCH NT-F 0608504 3B	HCF SCH NT-W 0608504 3B
			4B	-	-	HCF SCH NT-F 0608504 4B	HCF SCH NT-W 0608504 4B

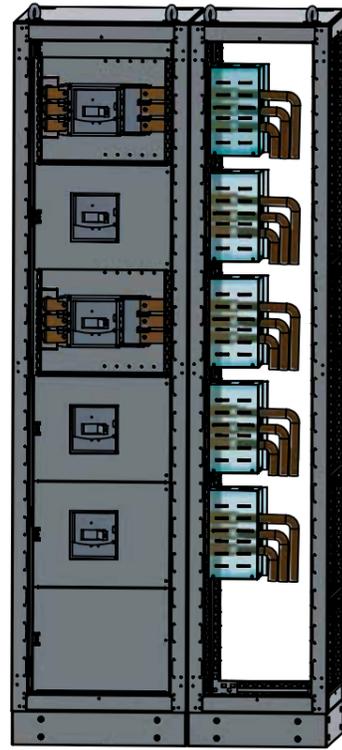


FORMING MODULES FOR HORIZONTAL MCCB-CBH / YATAY MCCB İÇİN FORMLAMA MODÜLLERİ-CBH

FORMING MODULES FOR HORIZONTAL MCCB-CBH / YATAY MCCB İÇİN FORMLAMA MODÜLLERİ-CBH									
TYPE 2 / TIP 2									
		3 Poles / 3 Kutup			4 Poles / 4 Kutup				
MCCB Product / MCCB Ürünü		≤ NSX250	NSX400-NSX630	NS800-NS1600	≤ NSX250	NSX400-NSX630	NS800-NS1600		
Current Range / Akım Aralığı		≤ 250 A	400A - 630A	630A - 1600A	≤ 250 A	400A - 630A	800A - 1600A		
Module Height / Modül Yüksekliği		150 mm	200 mm	300 mm	200 mm	250 mm	350 mm		
Panel Weight and Height / Pano Genişlik ve Yüksekliği	800X600 (mm) W X D	Fix / Sabit	2B	CBH SCH 0806153 2B-2	CBH SCH 0806203 2B-2	CBH SCH 0806303 2B-2	CBH SCH 0806204 2B-2	CBH SCH 0806254 2B-2	CBH SCH 0806354 2B-2
			3B	CBH SCH 0806153 3B-2	CBH SCH 0806203 3B-2	CBH SCH 0806303 3B-2	CBH SCH 0806204 3B-2	CBH SCH 0806254 3B-2	CBH SCH 0806354 3B-2
			4B	CBH SCH 0806153 4B-2	CBH SCH 0806203 4B-2	CBH SCH 0806303 4B-2	CBH SCH 0806204 4B-2	CBH SCH 0806254 4B-2	CBH SCH 0806354 4B-2
	800X800 (mm) W X D Engine and Plug-in / Motor ve Eklentili	Fix / Sabit	2B	CBH SCH 0808153 2B-2	CBH SCH 0808203 2B-2	CBH SCH 0808303 2B-2	CBH SCH 0808204 2B-2	CBH SCH 0808254 2B-2	CBH SCH 0808354 2B-2
			3B	CBH SCH 0808153 3B-2	CBH SCH 0808203 3B-2	CBH SCH 0808303 3B-2	CBH SCH 0808204 3B-2	CBH SCH 0808254 3B-2	CBH SCH 0808354 3B-2
			4B	CBH SCH 0808153 4B-2	CBH SCH 0808203 4B-2	CBH SCH 0808303 4B-2	CBH SCH 0808204 4B-2	CBH SCH 0808254 4B-2	CBH SCH 0808354 4B-2

NOTES:
1-In type 2 panels, the main busbar design shall be in the form of busbar design on the back.
2-In Type 2 panels, additionally 400 mm cable eye panel will be added.

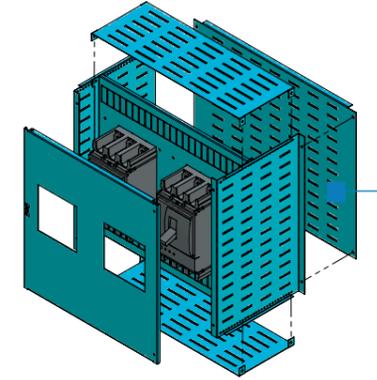
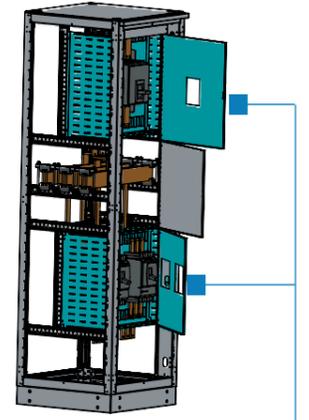
NOTLAR:
1- Tip2 panolarda, ana bara dizaynı sırtı bara tasarımı şeklinde olacaktır.
2- Tip2 panolarda, ek olarak 400mm kablo gözü panosu ilave edilecektir.



Type 2 / Tip 2
Front Service Modul / Önden Servis Modülü

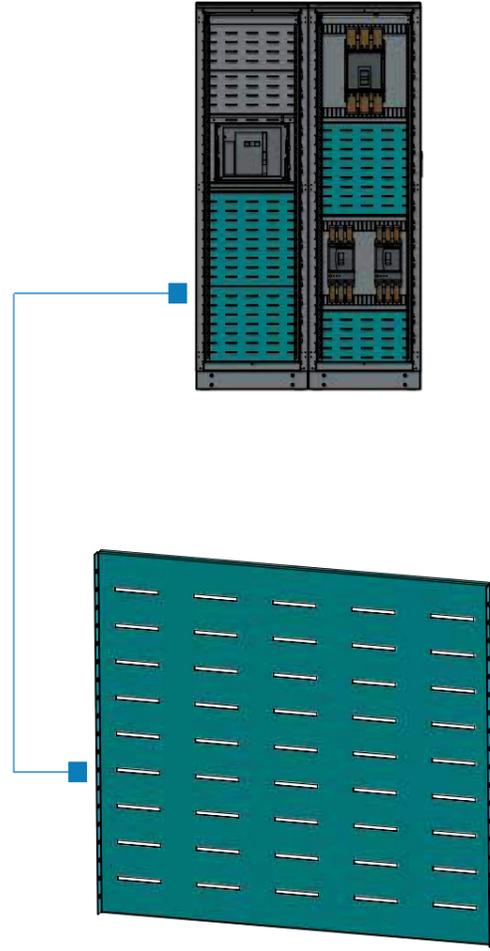
FORMING MODULES FOR VERTICAL MCCB-CBV / DİKEY MCCB İÇİN FORMLAMA MODÜLLERİ-CBV

FORMING MODULES FOR VERTICAL MCCB-CBV / DİKEY MCCB İÇİN FORMLAMA MODÜLLERİ-CBV						
CBV CODING NOTATION / CBV KODLAMA NOTASYONU						
CBH	SCH	06	06	15	2B	
						FORM CLASS / FORM SINIFI (2B, 3B, 4B)
						MODULE HEIGHT / MODÜL YÜKSEKLİĞİ
						PANEL DEPTH / PANO DERİNLİĞİ
						PANEL WIDTH / PANO GENİŞLİĞİ
						PRODUCT BRAND ABBREVIATION / ÜRÜN MARKASI KISALTMASI
						MODULE ABBREVIATION / MODÜL KISALTMASI (Circuit Breaker Vertical)

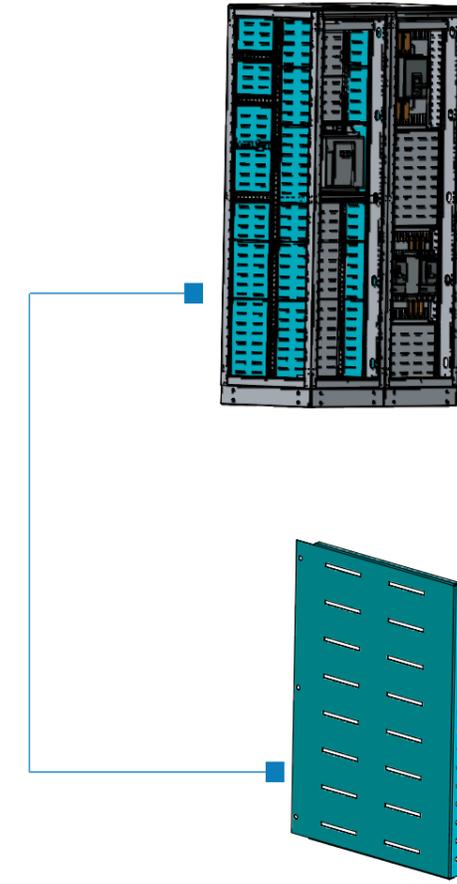


FORMING MODULES FOR VERTICAL MCCB-CBV / DİKEY MCCB İÇİN FORMLAMA MODÜLLERİ-CBV						
MCCB Product and Poles / MCCB Ürünü ve Kutuplar		≤ NSX250 3P/4P	NSX400-NSX630 3P/4P	NS800-NS1600 3P/4P		
Current Range / Akım Aralığı		≤ 250 A	400A - 630A	800A - 1600A		
Module Height / Modül Yüksekliği		300 mm	400 mm	500 mm		
Panel Weight and Height / Pano Genişlik ve Yüksekliği	500X600 (mm) W X D	Fix / Sabit	2B	CBV SCH 050630 2B	CBV SCH 050640 2B	CBV SCH 050650 2B
			3B	CBV SCH 050630 3B	CBV SCH 050640 3B	CBV SCH 050650 3B
			4B	-	CBV SCH 050640 4B	CBV SCH 050650 4B
	500X800 (mm) W X D Engine and Plug-in / Motor ve Eklentili	Fix / Sabit	2B	CBV SCH 050830 2B	CBV SCH 050840 2B	CBV SCH 050850 2B
			3B	CBV SCH 050830 3B	CBV SCH 050840 3B	CBV SCH 050850 3B
			4B	-	CBV SCH 050840 4B	CBV SCH 050850 4B
Panel Weight and Height / Pano Genişlik ve Yüksekliği	600X600 (mm) W X D	Fix / Sabit	2B	CBV SCH 060630 2B	CBV SCH 060640 2B	CBV SCH 060650 2B
			3B	CBV SCH 060630 3B	CBV SCH 060640 3B	CBV SCH 060650 3B
			4B	-	CBV SCH 060640 4B	CBV SCH 060650 4B
	600X800 (mm) W X D Engine and Plug-in / Motor ve Eklentili	Fix / Sabit	2B	CBV SCH 060830 2B	CBV SCH 060840 2B	CBV SCH 060850 2B
			3B	CBV SCH 060830 3B	CBV SCH 060840 3B	CBV SCH 060850 3B
			4B	-	CBV SCH 060840 4B	CBV SCH 060850 4B
Panel Weight and Height / Pano Genişlik ve Yüksekliği	800X600 (mm) W X D	Fix / Sabit	2B	CBV SCH 080630 2B	CBV SCH 080640 2B	CBV SCH 080650 2B
			3B	CBV SCH 080630 3B	CBV SCH 080640 3B	CBV SCH 080650 3B
			4B	-	CBV SCH 080640 4B	CBV SCH 080650 4B
	800X800 (mm) W X D Engine and Plug-in / Motor ve Eklentili	Fix / Sabit	2B	CBV SCH 080830 2B	CBV SCH 080840 2B	CBV SCH 080850 2B
			3B	CBV SCH 080830 3B	CBV SCH 080840 3B	CBV SCH 080850 3B
			4B	-	CBV SCH 080840 4B	CBV SCH 080850 4B

FORMING MODULES FOR EXTERNAL FRONT-EFF / HARİCİ ÖN FORMLAMA MODÜLLERİ-EFF



FORMING MODULES FOR EXTERNAL SIDE-ESF / HARİCİ YAN FORMLAMA MODÜLLERİ-ESF



FORMING MODULES FOR EXTERNAL FRONT-EFF / HARİCİ ÖN FORMLAMA MODÜLLERİ-EFF

H W	100	150	200	250	300	350	400	450	500	550	600
200	EFF 1020	EFF 1520	EFF 2020	EFF 2020	EFF 3020	EFF 3520	EFF 4020	EFF 4520	EFF 5020	EFF 5520	EFF 6020
250	EFF 1025	EFF 1525	EFF 2025	EFF 2025	EFF 3025	EFF 3525	EFF 4025	EFF 4525	EFF 5025	EFF 5525	EFF 6025
300	ESF 1030	EFF 1530	EFF 2030	EFF 2030	EFF 3030	EFF 3530	EFF 4030	EFF 4530	EFF 5030	EFF 5530	EFF 6030
350	EFF 1035	EFF 1535	EFF 2035	EFF 2035	EFF 3035	EFF 3535	EFF 4035	EFF 4535	EFF 5035	EFF 5535	EFF 6035
400	EFF 1040	EFF 1540	EFF 2040	EFF 2040	EFF 3040	EFF 3540	EFF 4040	EFF 4540	EFF 5040	EFF 5540	EFF 6040
450	EFF 1045	EFF 1545	EFF 2045	EFF 2045	EFF 3045	EFF 3545	EFF 4045	EFF 4545	EFF 5045	EFF 5545	EFF 6045
500	EFF 1050	EFF 1550	EFF 2050	EFF 2050	EFF 3050	EFF 3550	EFF 4050	EFF 4550	EFF 5050	EFF 5550	EFF 6050
550	EFF 1055	EFF 1555	EFF 2055	EFF 2055	EFF 3055	EFF 3555	EFF 4055	EFF 4555	EFF 5055	EFF 5555	EFF 6055
600	EFF 1060	EFF 1560	EFF 2060	EFF 2060	ESF 3060	EFF 3560	EFF 4060	EFF 4560	EFF 5060	EFF 5560	EFF 6060

NOTES:
1-Units of measurements in mm.
NOTLAR:
1-Ölçülerin birimleri mm cinsindedir.

FORMING MODULES FOR EXTERNAL SIDE-ESF / HARİCİ YAN FORMLAMA MODÜLLERİ-ESF

H W	100	150	200	250	300	350	400	450	500	550	600
200	ESF 1020	ESF 1520	ESF 2020	ESF 2520	ESF 3020	ESF 3520	ESF 4020	ESF 4520	ESF 5020	ESF 5520	ESF 6020
250	ESF 1025	ESF 1525	ESF 2025	ESF 2525	ESF 3025	ESF 3525	ESF 4025	ESF 4525	ESF 5025	ESF 5525	ESF 6025
300	ESF 1030	ESF 1530	ESF 2030	ESF 2530	ESF 3030	ESF 3530	ESF 4030	ESF 4530	ESF 5030	ESF 5530	ESF 6030
350	ESF 1035	ESF 1535	ESF 2035	ESF 2535	ESF 3035	ESF 3535	ESF 4035	ESF 4535	ESF 5035	ESF 5535	ESF 6035
400	ESF 1040	ESF 1540	ESF 2040	ESF 2540	ESF 3040	ESF 3540	ESF 4040	ESF 4540	ESF 5040	ESF 5540	ESF 6040
450	ESF 1045	ESF 1545	ESF 2045	ESF 2545	ESF 3045	ESF 3545	ESF 4045	ESF 4545	ESF 5045	ESF 5545	ESF 6045
500	ESF 1050	ESF 1550	ESF 2050	ESF 2550	ESF 3050	ESF 3550	ESF 4050	ESF 4550	ESF 5050	ESF 5550	ESF 6050
550	ESF 1055	ESF 1555	ESF 2055	ESF 2555	ESF 3055	ESF 3555	ESF 4055	ESF 4555	ESF 5055	ESF 5555	ESF 6055
600	ESF 1060	ESF 1560	ESF 2060	ESF 2560	ESF 3060	ESF 3560	ESF 4060	ESF 4560	ESF 5060	ESF 5560	ESF 6060

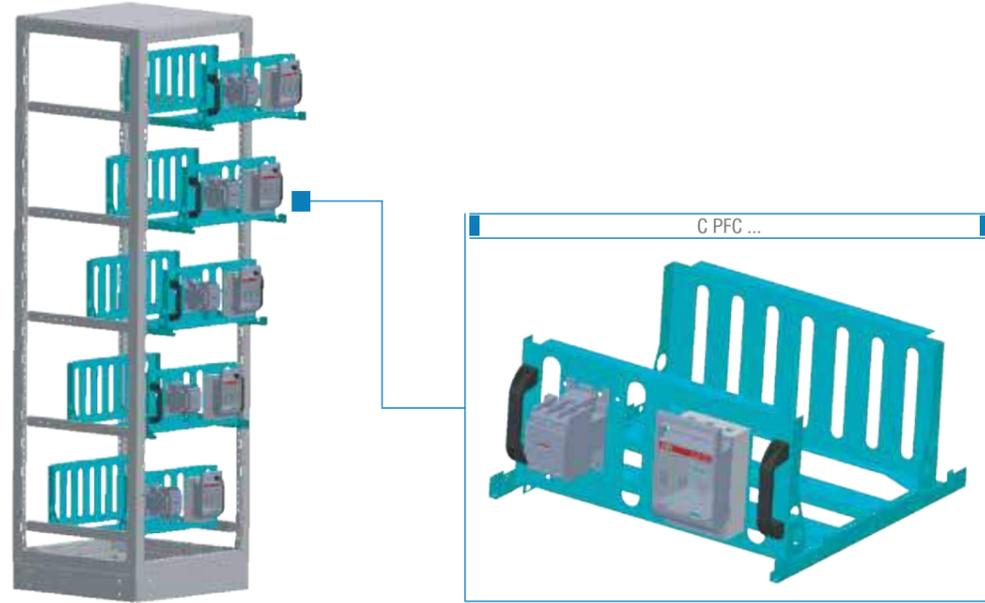
NOTES:
1-Units of measurements in mm.
NOTLAR:
1-Ölçülerin birimleri mm cinsindedir.

COMPENSATION PANEL SELECTION LIST BY POWER / GÜCE GÖRE KOMPANZASYON PANO SEÇİM LİSTESİ

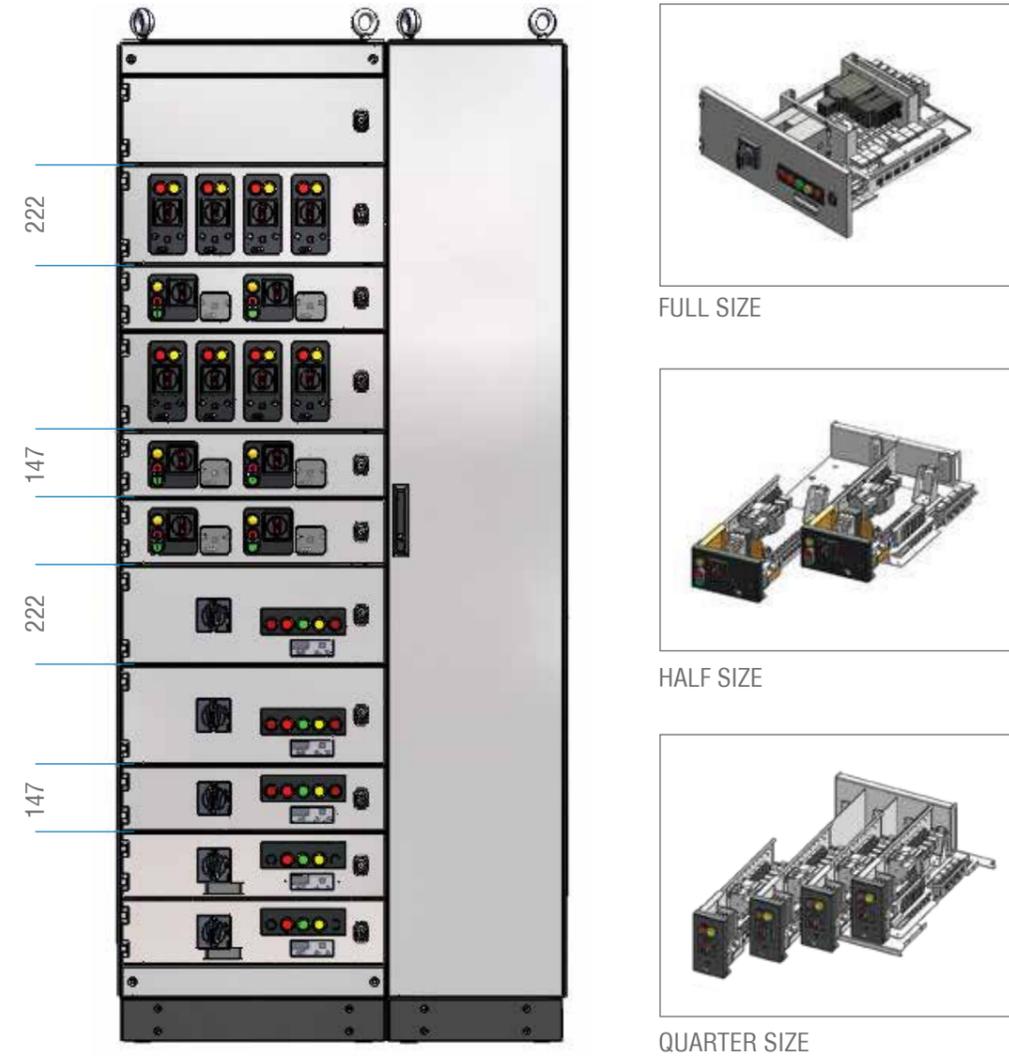
COMPENSATION PANEL SELECTION LIST BY POWER / GÜCE GÖRE KOMPANZASYON PANO SEÇİM LİSTESİ				
Power Range / Güç Aralığı	Panel Weight / Pano Geniřliđi	Panel Depth / Pano Derinliđi	Panel Height / Pano Yüksekliđi	Panel Height / Pano Yüksekliđi
Harmonic Unfiltered / Harmonik Filtresiz	300-400 KVAR	600 mm	600 mm	2100 mm
	500-600 KVAR	800 mm	600 mm	2100 mm
Harmonic Filter / Harmonik Filtreli	200-300 KVAR	600 mm	800 mm	2100 mm
	400-500 KVAR	800 mm	800 mm	2100 mm
Standart Base Plate / Standart Taban Sacı	≤ 600KVAR	800 mm	600 mm	2100 mm
		800 mm	800 mm	2100 mm

NOTES:
1-The selections in the list are for one single board.
2-Standard base plate design, when the ambient temperature is above 40 ° C depth of the panel should be selected 800mm.
3-Cooling fan should be applied in all panel selections.

NOTLAR:
1-Listedeki seçimler tek göz pano içindir.
2-Standart taban sacı tasarımlarda, ortam sıcaklığının 40° C üzerinde olduđu zaman pano derinliđi 800mm seçilmelidir.
3-Bütün pano seçimlerinde sođutma fanları uygulanmalıdır.



SELECETION TABLE FOR THE MCC DRAWER ACCORDING TO THE POWER / GÜCE GÖRE MCC ÇEKMECESİ SEÇİM LİSTESİ



COMPENSATION PANEL SELECTION LIST BY POWER / GÜCE GÖRE KOMPANZASYON PANO SEÇİM LİSTESİ				
Power Range / Güç Aralığı	Panel Weight / Pano Geniřliđi	Panel Depth / Pano Derinliđi	Panel Height / Pano Yüksekliđi	Panel Height / Pano Yüksekliđi
Harmonic Unfiltered / Harmonik Filtresiz	2 X 50 KVAR	CPS 0660	-	-
	3 X 50 KVAR	-	CPS 0660	-
Harmonic Filter / Harmonik Filtreli	2 X 25 KVAR	-	-	CPS 0660
	2 X 50 KVAR	-	-	CPS 0660

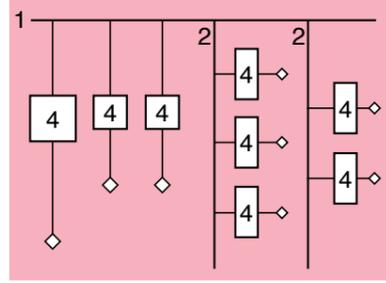
NOTES:
1-Standard module height is 250 mm.

NOTLAR:
1-Standart modül yüksekliđi 250 mm'dir.

SELECTION TABLE FOR THE MCC DRAWER / MCC ÇEKMECESİ SEÇİM TABLOSU			
Drawer Type / Çekmece Tipi	Modul Height / Modül Yüksekliđi	Current Range / Akım Aralığı	Reference Code / Referans Kodu
1/4 Quarter Size / Çeyrek Boy	225 mm	0-32 A	MCD 200-032-4
1/2 Half Size / Yarım Boy	150 mm	0-125A	MCD 200-125-2
	150 mm	80-125 A	MCD 200-125-1
1/1 Full Size / Tam Boy	300 mm	160-250A	MCD 300-315-1
	450 mm	400-630A	MCD 450-630-1

Mission Unit Input / Output Connections
1- Main Multiple Busbars
2-Distribution Busbars
3-Input Circuit
4-Output Circuit

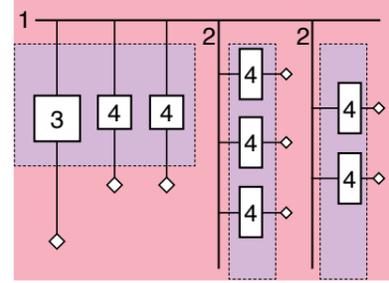
Görev birimi giriş / çıkış bağlantıları
1-Ana çoklu baraları
2-Dağıtım baraları
3-Giriş Devresi
4-Çıkış Devresi



Form 1

Switchgear and busbars are placed inside the protective panel. If front doors are open, all devices are intervened while working in the panel, the energy of the panel is absolutely cut-off.

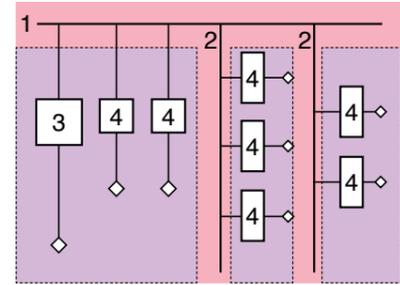
Şalt cihazları ve baralar koruyucu panonun içine yerleştirilir. Ön kapının açılması durumunda, tüm cihazlara müdahale edilir. Pano içerisinde çalışma yapılırken mutlaka enerji kesilir.



Form 2a(*)

Busbars separate mission unit, the terminals of the output conductors cannot be disconnected from the busbars.

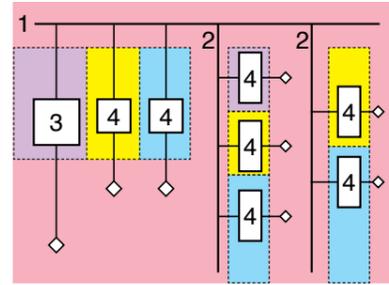
Baralar göre birimlerinden ayrılır, çıkış iletkenlerinin klemensleri baralardan ayrılmaz.



Form 2b(*)

Busbars separate mission unit, the terminals of the output conductors can be disconnected from the busbars.

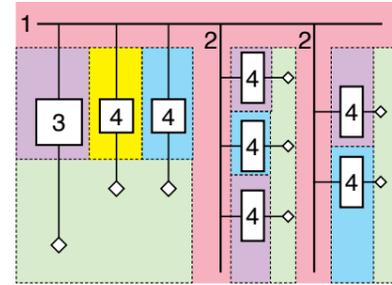
Baralar görev birimlerinden ayrılır, çıkış iletkenlerinin klemensleri baralardan ayrılır.



Form 3a

All output units, which are inside the control unit with busbars unit are separated independently from each other.

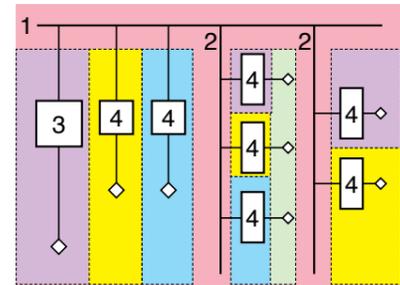
Bara ünitesi ile birlikte kontrol ünitesi içerisinde yer alan tüm çıkış birimleri birbirinden bağımsız olarak ayrılır.



Form 3b

In the independent output unit, the connection point of all output units are separated by the cable duct.

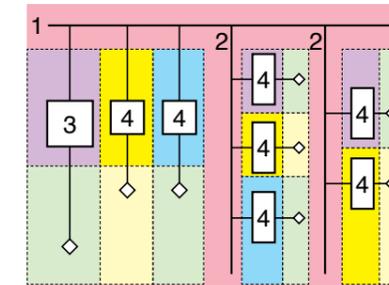
Bağımsız çıkış ünitesi içerisinde yer alan tüm çıkış birimlerinin bağlantı noktaları kablo holü ile ayrılır.



Form 4a

Each output unit is independent from one another, the output units are connected in the same cell.

Her çıkış birimi birbirinden bağımsız olup, çıkış birimlerinin bağlantısı aynı hücre içerisinde yapılır.



Form 4b

The functional units of the busbars and the output conductors of all functional units (including terminals) are separated.

Baraların fonksiyonel üniteleri ve tüm fonksiyonel ünitelerin çıkış iletkenleri (klemensleri dahil) birbirinden ayrılır.

IP PROTECTION CLASSES / IP KORUMA SINIFLARI

Number 1 1. Rakam	Number 2 2. Rakam Degree of protection against water Suya karşı koruma derecesi									
	0	1	2	3	4	5	6	7	8	
Degree of protection against solid objects Kati cisimlere karşı koruma derecesi	0	1	2	3	4	5	6	7	8	
Unprotected Korumasız	Unprotected Korumasız	Protected against dripping water Damlayan suya karşı korumalı	Protected against water dripping up to 15° 15°ye kadar damlayan suya karşı korumalı	Protected against water dripping up to 60° 60°ye kadar damlayan suya karşı korumalı	Protected against splashing water Şıçrayan suya karşı korumalı	Protected against water spray Su püskürtmesine karşı korumalı	Severe sea against waves protected Şiddetli deniz dalgalarına karşı korumalı	Protected against the effects of immersion Suya daldırmanın etkilerine karşı korumalı	Protected against under-water Su altında bırakılmaya karşı korumalı	
Unprotected Korumasız	0	IP00	IP01	IP02						
Protected against solid objects greater than 50 mm 50 mm'den büyük kati cisimlere karşı korumalı	1	IP10	IP11	IP12	IP13					
Protected against solid objects greater than 2.5 mm 2.5 mm'den büyük kati cisimlere karşı korumalı	2	IP20	IP21	IP22	IP23					
Protected against solid objects greater than 1 mm 1 mm'den büyük kati cisimlere karşı korumalı	3	IP30	IP31	IP32	IP33	IP34				
Protection against dust Toza karşı korumalı	4	IP40	IP41	IP42	IP43	IP44	IP45	IP46		
Dustproof Toz geçirmez	5					IP54	IP55	IP56		
	6						IP65	IP66	IP67	IP68

IK PROTECTION CLASSES AGAINST MECHANICAL IMPULSES / IK MEKANİK DARBELERE KARŞI KORUMA SINIFLARI

IK00	Not Protected Koruma Yok	IK06
IK01	Protected against 0.14 joules impact Equivalent to impact of 0.25kg mass dropped from 56mm above impacted surface. 0.14 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 56mm yükseklikten, 0.25kg kütleinin düşmesine eşdeğer etkidir.	Protected against 1 joule impact Equivalent to impact of 0.25kg mass dropped from 400mm above impacted surface. 1 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 400mm yükseklikten, 0.25kg kütleinin düşmesine eşdeğer etkidir.
IK02	Protected against 0.2 joules impact Equivalent to impact of 0.25kg mass dropped from 80mm above impacted surface. 0.2 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 80mm yükseklikten, 0.25kg kütleinin düşmesine eşdeğer etkidir.	Protected against 2 joules impact Equivalent to impact of 0.5kg mass dropped from 400mm above impacted surface. 2 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 400mm yükseklikten, 0.5kg kütleinin düşmesine eşdeğer etkidir.
IK03	Protected against 0.35 joules impact Equivalent to impact of 0.25kg mass dropped from 140mm above impacted surface. 0.35 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 140mm yükseklikten, 0.25kg kütleinin düşmesine eşdeğer etkidir.	Protected against 5 joules impact Equivalent to impact of 1.7kg mass dropped from 300mm above impacted surface. 5 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 300mm yükseklikten, 1.7kg kütleinin düşmesine eşdeğer etkidir.
IK04	Protected against 0.5 joules impact Equivalent to impact of 0.25kg mass dropped from 200mm above impacted surface. 0.5 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 200mm yükseklikten, 0.25kg kütleinin düşmesine eşdeğer etkidir.	Protected against 10 joules impact Equivalent to impact of 5kg mass dropped from 200mm above impacted surface. 10 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 200mm yükseklikten, 5kg kütleinin düşmesine eşdeğer etkidir.
IK05	Protected against 0.7 joules impact Equivalent to impact of 0.25kg mass dropped from 280mm above impacted surface. 0.7 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 280mm yükseklikten, 0.25kg kütleinin düşmesine eşdeğer etkidir.	Protected against 20 joules impact Equivalent to impact of 5kg mass dropped from 400mm above impacted surface. 20 joule şiddetinde darbeye karşı korumalı Etkilenen yüzeye 400mm yükseklikten, 5kg kütleinin düşmesine eşdeğer etkidir.



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