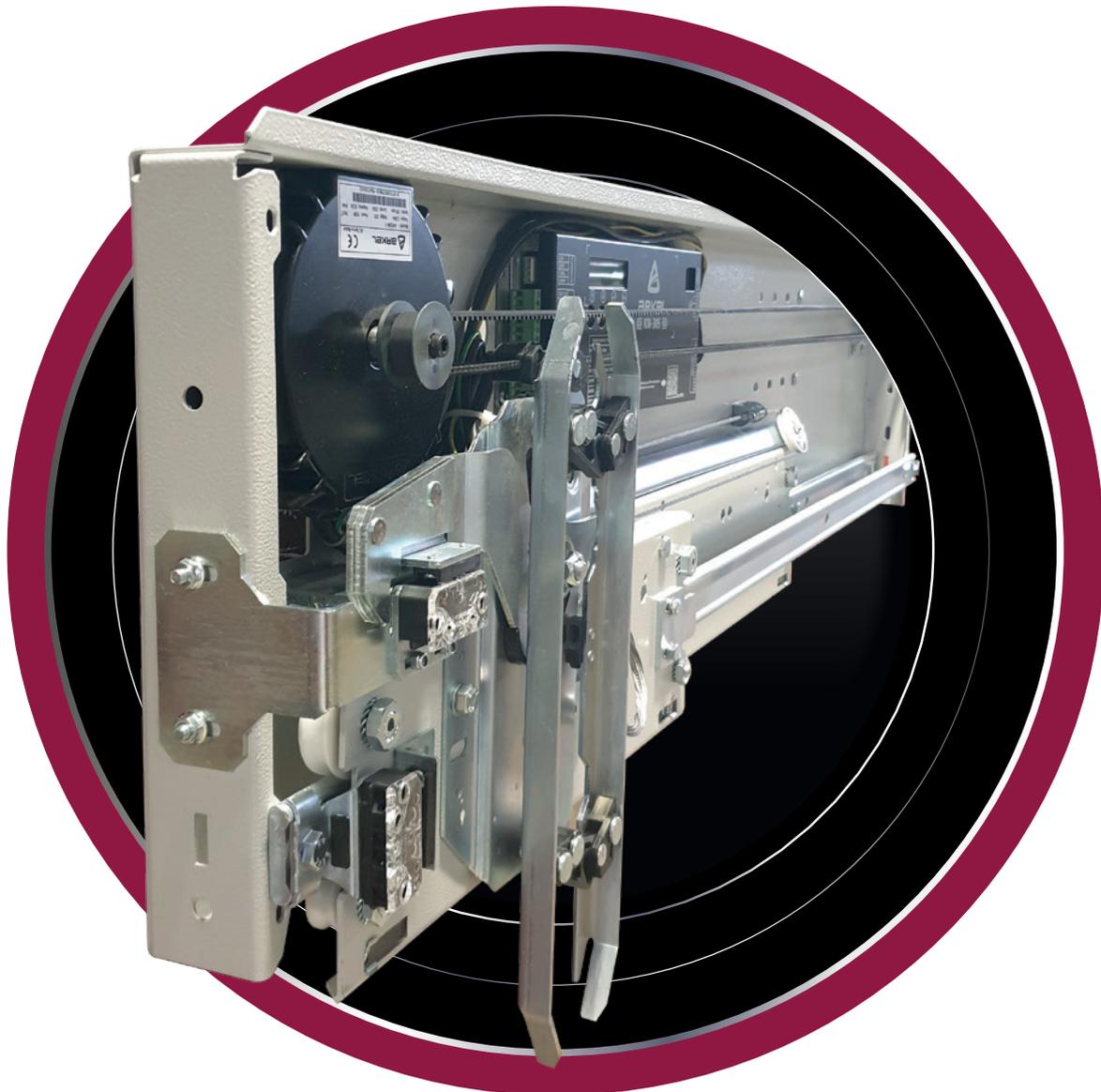


# alben

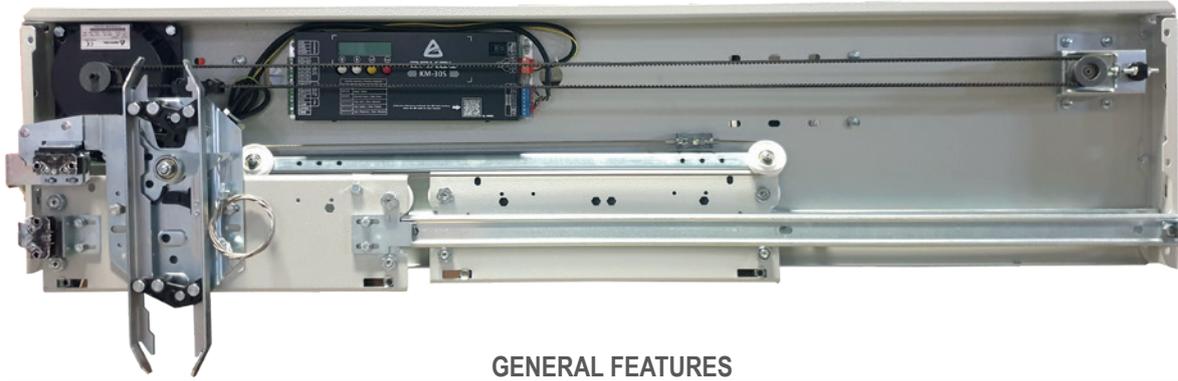
## EURO TYPE PM CANBUS

### Automatic Elevator Car Door



Opens to the future...

## Technical Features



### GENERAL FEATURES

Noise level	<45 dB.
Total weight	Reference: T2 CO 800 mm CH 2.000 mm, with metal sheet panels - 75 kg
Maximum moving mass	420 kg
Locking device	Available car door lock type

### INSTALLATION

Pre-adjusted and tested to simplify the installation. Frontal concept, all parts within the sill projection, allows fixing directly to the front or by regulable range of brackets.
--

## Overview of KM-30S Door Controller

# KM-30S

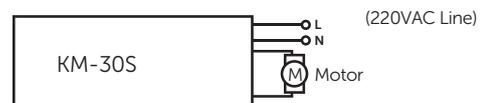
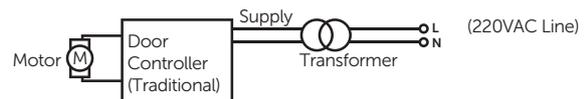


• Door Controller Internal Structure

### TECHNICAL SPECIFICATIONS

<b>Input Supply</b>	
Supply Voltage	220 V <sub>AC</sub> x %10
Max. Power Consumption	10 W (Control Circuit) + Motor Power
<b>Motor Outputs</b>	
Motor Voltage	220 V <sub>AC</sub>
Motor Output Power	Max. 200 W (0.65 A)
Motor Control Type	Vector Control
Motor Protection	Motor Output Overload and Short Circuiting Protection
<b>Encoder Inputs</b>	
Encoder Type	Incremental (3-Channel Incremental Encoder) (ATTENTION! Cannot work with one signal.)
Encoder Resolution	Any Model Between 100-2048 Pulse
Encoder Voltage	5 V <sub>DC</sub>
<b>User Interface</b>	
KM-30S Keypad	LCD with 2 Rows, 16 Columns and 4 Buttons
Warning Sound	Buzzer
Language Options	Turkish, English
<b>Mechanical Features</b>	
Dimensions (without the case)	275 x 105 x 21 mm (Width x Length x Height)
Dimensions (case)	310 x 112,6 x 30 mm (Width x Length x Height)
<b>Working Capability</b>	
Door Width	50 cm - 300 cm
Motor Power	200 W (Maximum)
Door Opening-Closing Velocity	20 cm/sec - 99 cm/sec
Low Speed	5 cm/sec - 30 cm/sec
<b>Flexibility With AREM - ARCODE</b>	
Products with Version 2.0 or later	

- 1- CANBUS Connection
- 2- Output Relays Door Control Inputs
- 3- Inputs and Photocell Connection
- 4- 220 VAC Power Supply
- 5- Motor Output Terminals
- 6- Encoder
- 7- On-OFF Switch
- 8- LCD & Butons

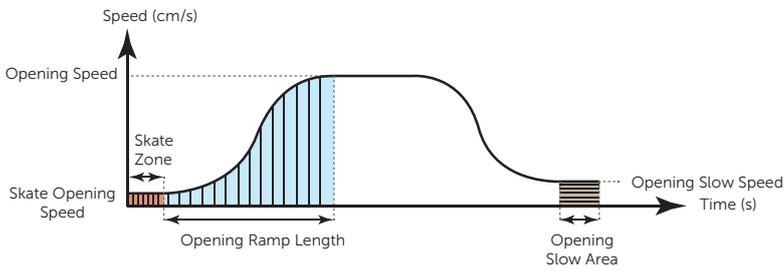


Built-in SPMS does not require transformers.  
Saves space and costs.

# Door Trajectory Parameters

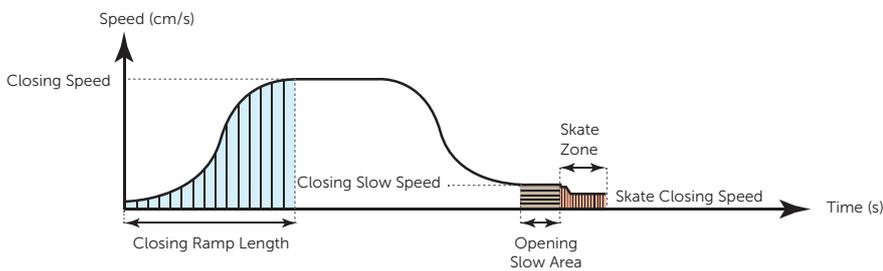
## Door Opening Graph

Door Opening Travel Curve



## Door Closing Graph

Door Closing Travel Curve



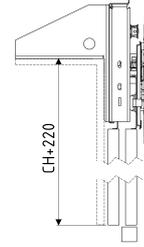
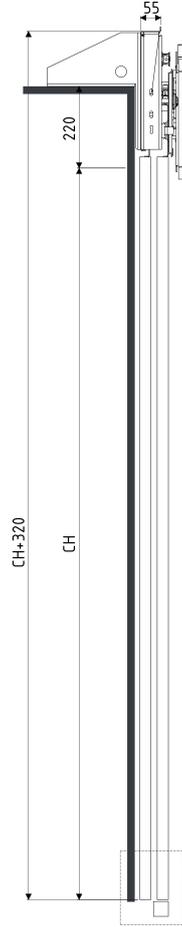
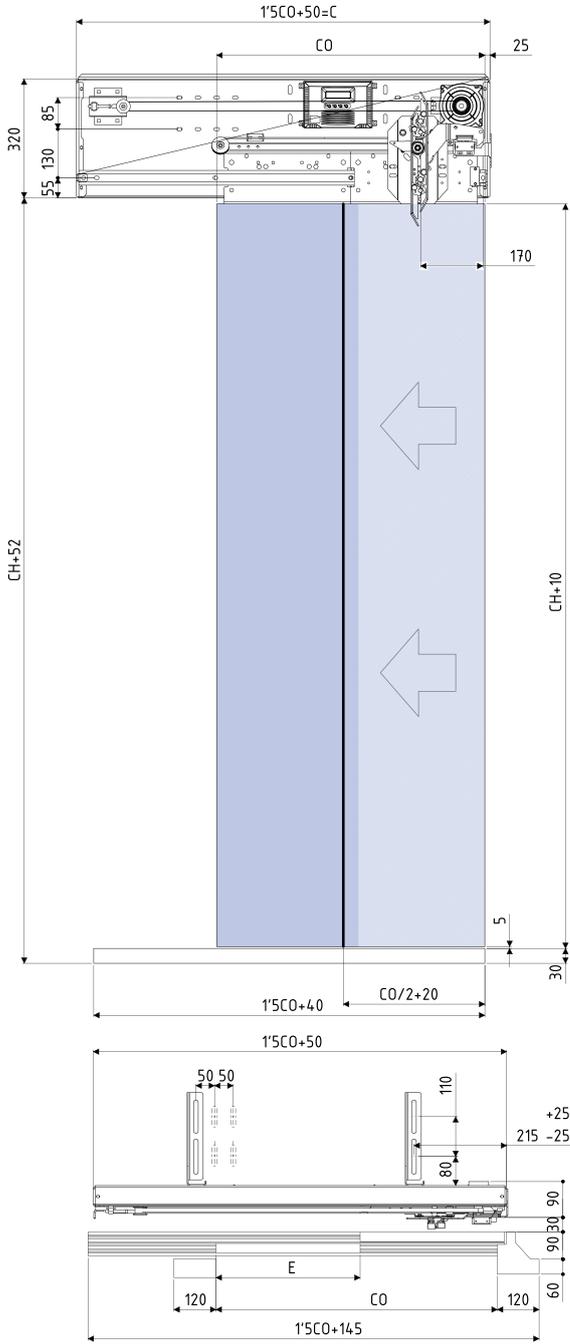
- **Nudging:** The speed when door is closing slowly at longtime photocell interrupt.
- **Closing Slow Speed:** Closing slow speed when door reaches to the closing rubber stopper.
- **Closing Speed:** The maximum closing speed.
- **Skate Closing Speed:** Skate closing speed.
- **Opening Slow Speed:** Opening slow speed when door reaches to the opening rubber stopper.
- **Opening Speed:** The maximum speed while opening.
- **Skate Opening Speed:** Skate opening speed.
- **Closing Ramp Length:** The closing distance while door accelerates (from slow speed to closing speed) and while door decelerates (from closing speed to slow speed)
- **Closing Slow Area:** The closing distance with slow speed up to the closing rubber stopper.
- **Opening Ramp Length:** The opening distance while door accelerates (from slow speed to opening speed) and while door decelerates (from opening speed to slow speed).
- **Opening Slow Area:** The opening distance with slow speed up to the opening rubber stopper.

## Motor Specifications

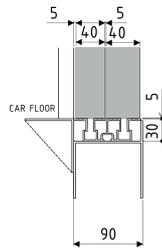
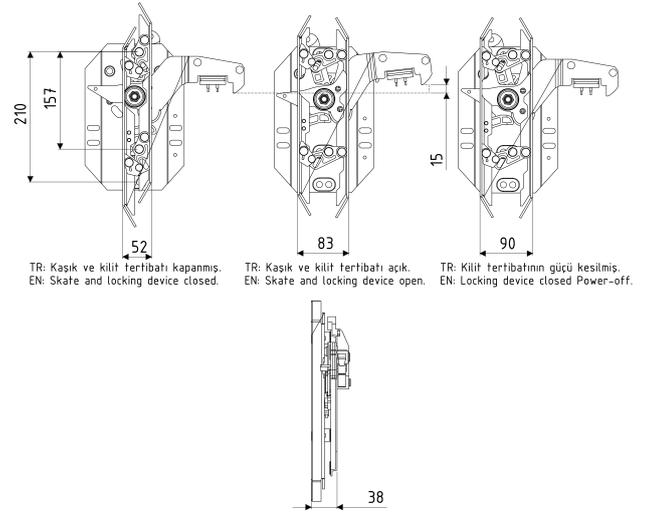
Power cord		
1	Yellow-green	GND
2	Red	U
3	White	V
4	Blue	W

wire color		
1	Red	+5V
2	green	A+
3	Yellow	B+
4	Blue	Z+
5	Black	GND
6	gray	A-
7	White	B-
8	brown	Z-

## EURO TYPE OPENING CABIN DOOR T2 technical drawing



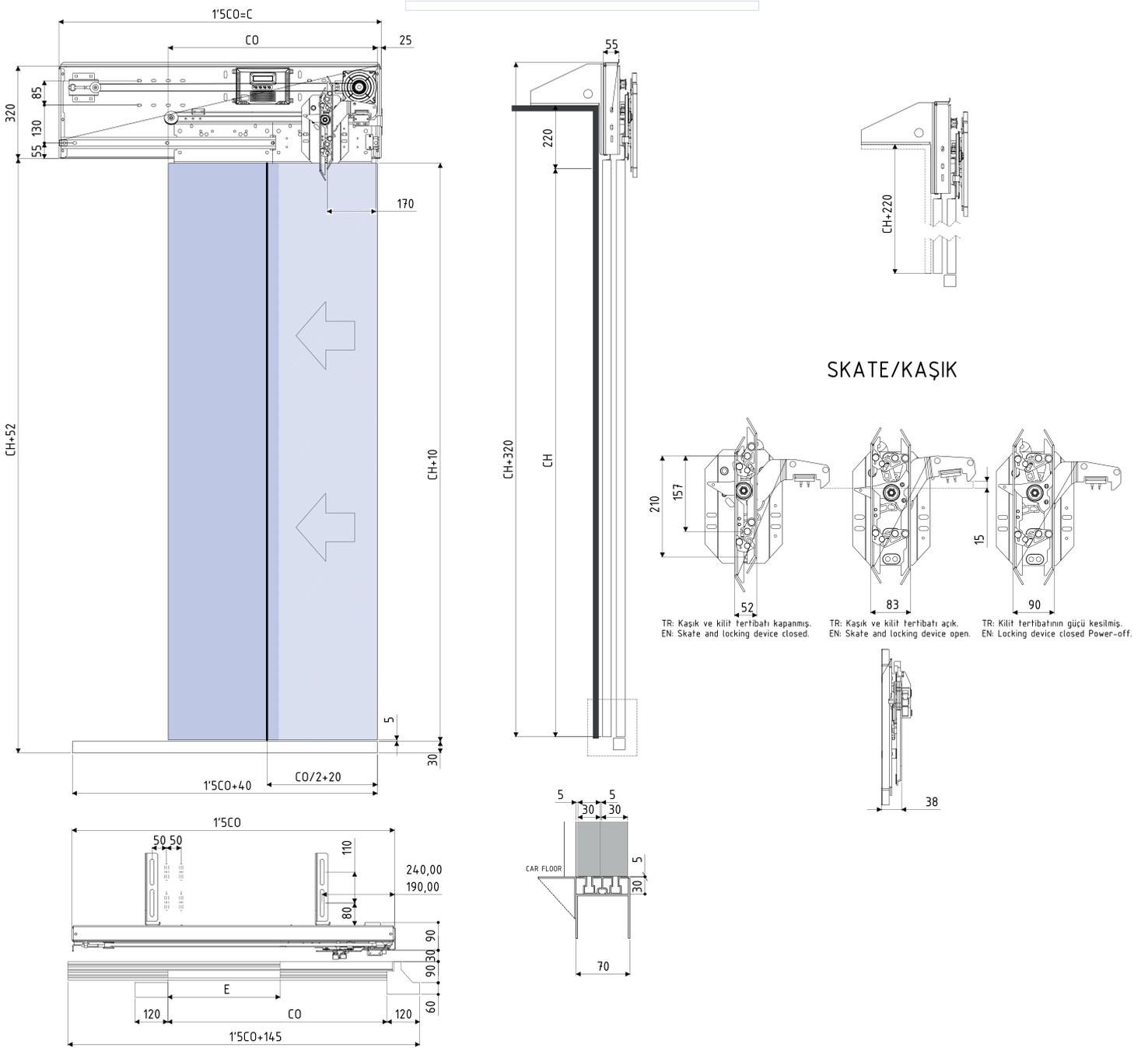
### SKATE/KAŞIK



PL/CO	600	650	700	750	800	850	900	1000	1100	1200	1300
C	950	1025	1100	1175	1250	1325	1400	1550	1700	1850	2000
E	320	345	370	395	420	445	479	520	570	620	670



## EURO TYPE -SLIM AND SHORT- OPENING CABIN DOOR T2 technical drawing



PL/CO	600	650	700	750	800	850	900	1000	1100	1200	1300
C	900	975	1050	1125	1200	1275	1350	1500	1650	1800	1950
E	320	345	370	395	420	445	479	520	570	620	670



Yeni nesil Kilit ve  
Taşıyıcı sistemi  
New & efficient  
long durability locking system



Silent returning spring system  
Gürültüyü engelleyen  
yaylı ipek halat sistemi  
ve bağlantı

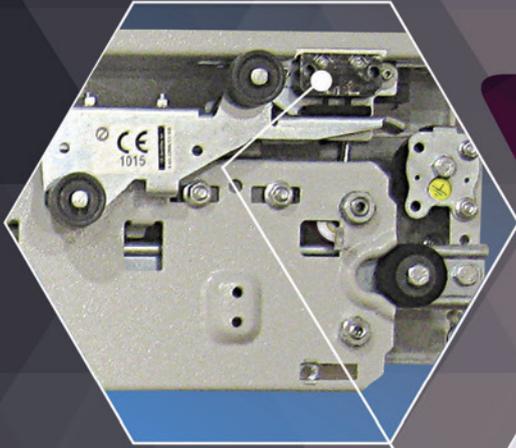


Elegant aluminum front sill  
Elegant alüminyum  
ön eşik



## Teleskopik Kat Kapı Detayları

Telescopic Opening Landing Door Details



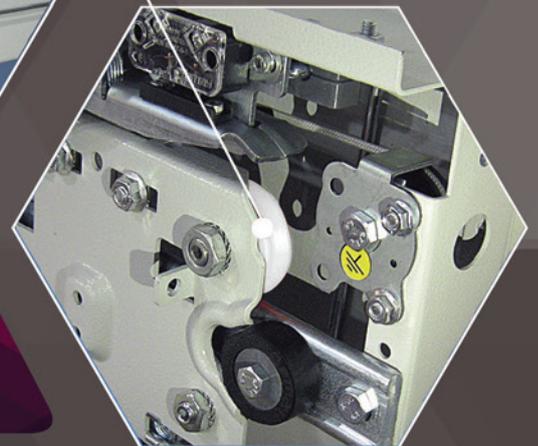
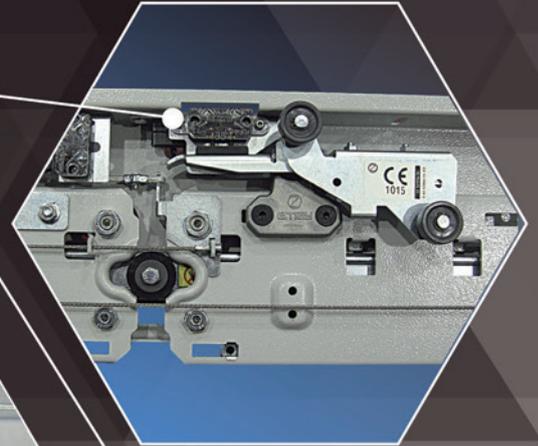
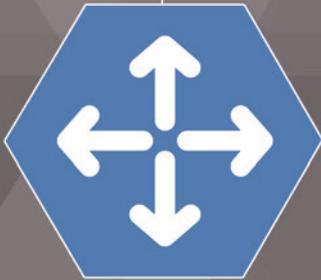
**Şık Görünümlü Alüminyum Ön Eşik**  
Elegant Aluminum Front Sill

**Sessiz ve Sertlik Ayarlı Yay Sistemi**  
Silent and Stiffness Adjustable Spring System

**Sabit Döküm Kilit Sistemi**  
Cast Iron Locking System

**Sessiz ve Aşınmaz Teker**  
Silent and Durable Roller

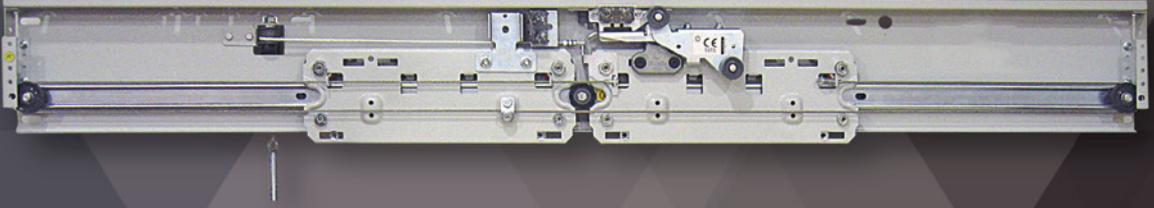
**4 Yöne hareket edebilen fiş-kontakt**  
4-way moving plug-contact



## Merkezi Kat Kapı Detayları

Central Opening Landing Door Details

2 Panel Merkezi Kat Kapı Mekanizması / 2 Panel Central Landing Door Mechanism



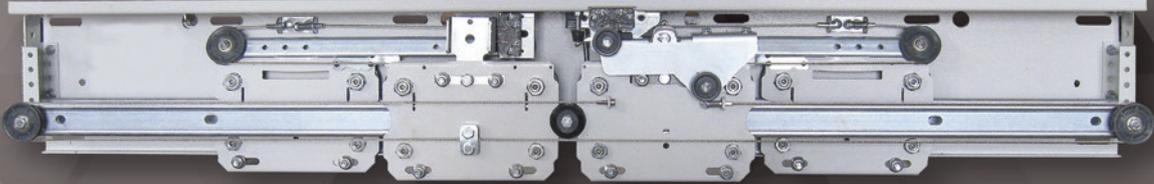
2 Panel Teleskopik Kat Kapı Mekanizması / 2 Panel Telescopic Landing Door Mechanism



3 Panel Teleskopik Kat Kapı Mekanizması / 3 Panel Telescopic Landing Door Mechanism



4 Panel Merkezi Kat Kapı Mekanizması / 4 Panel Central Landing Door Mechanism



6 Panel Merkezi Kat Kapı Mekanizması / 6 Panel Central Landing Door Mechanism





Doğasının Gereği  
**Sınıfının En hızlısı !**

1 metre / saniye  
açılma kapanma hızı



by its nature, fastest in its class  
1 meter / second Opening - Closing Speed

db alben

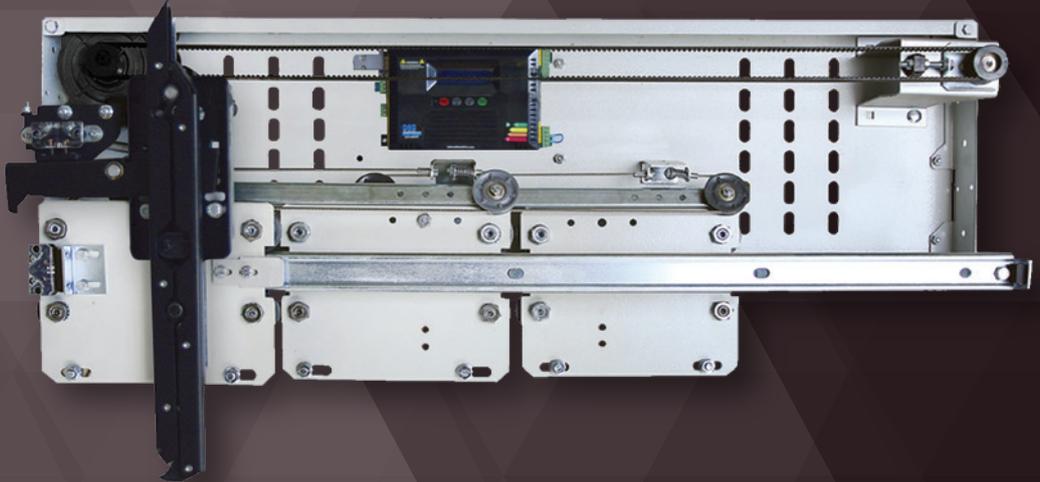
**Merkezi 2 Panel Kabin Operatörü / 2 Panel Central Cabin Operator**



**2 Panel Teleskopik Kabin Operatörü / 2 Panel Telescopic Cabin Operator**



**3 Panel Teleskopik Kabin Operatörü / 3 Panel Telescopic Cabin Operator**



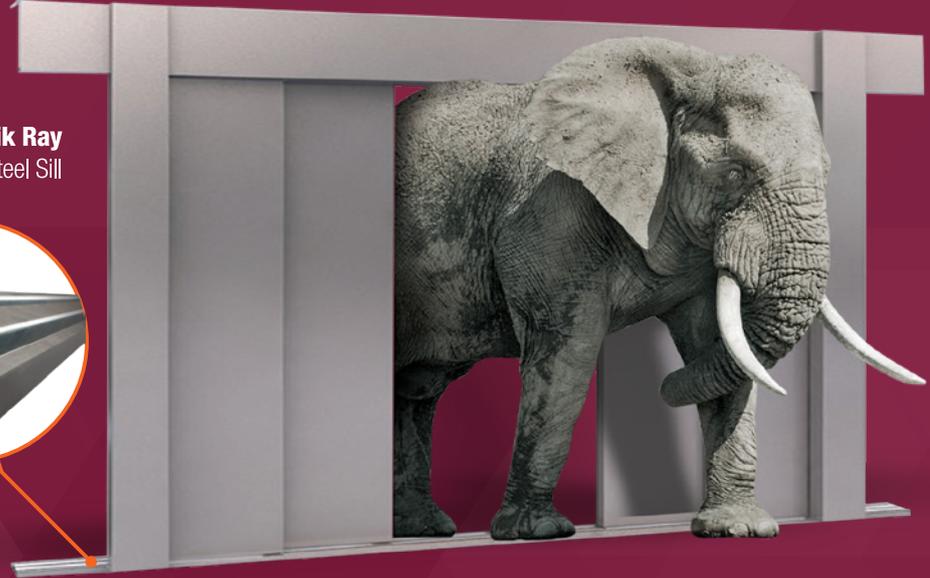
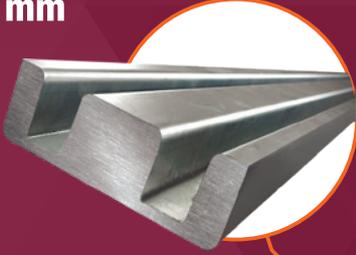
GEAR  
NOISE  
PRICE  
**LESS**  
220AC VVVF



db alben

**Güçlendirilmiş Çelik Ray**  
Reinforced Steel Sill

**4000 mm**



**ARAÇ VE YÜK ASANSÖRLERİ İÇİN GÜÇLENDİRİLMİŞ**

8 TON NOKTASAL TAŞIMA GÜCÜ  
1300 - 4000 MİLİMETREYE KADAR GENİŞLİK  
3000 MİLİMETREYE KADAR PANEL YÜKSEKLİĞİ  
ÇARPMALARA KARŞI YÜKSEK DAYANIMLI  
1M/S AÇILMA HIZI  
A SINIFI ENERJİ TÜKETİMİ

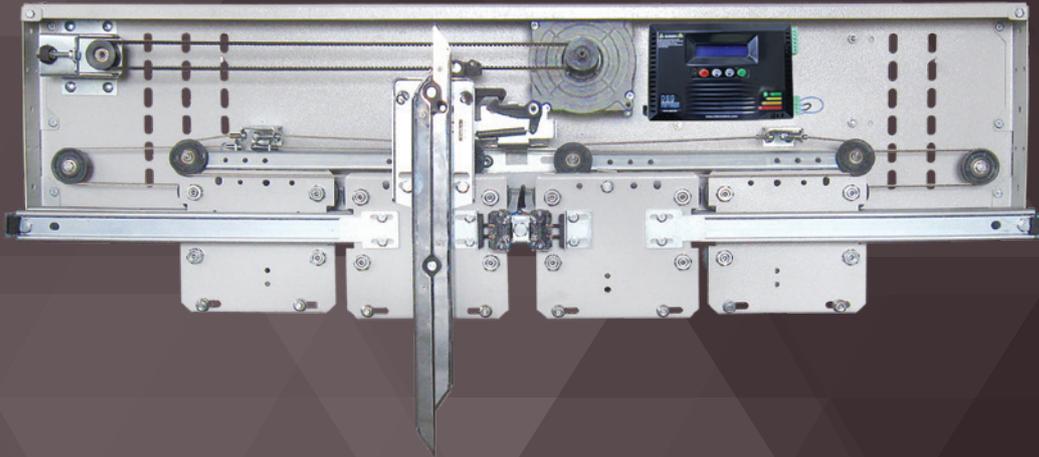
**REINFORCED FOR CAR & CARGO ELEVATORS**

8 TON POINT CARRYING POWER  
UP TO 1300 - 4000 MILIMETER WIDTH  
UP TO 3000 MILIMETER PANEL HEIGHT  
IMPACT RESISTANT  
1M/S OPENING SPEED  
A CLASS ENERGY SAVING

**1300 mm**

**1200 mm**

**4 Panel Merkezi Kabin Kapı Operatörü / 4 Panel Central Cabin Operator**



**700 mm**

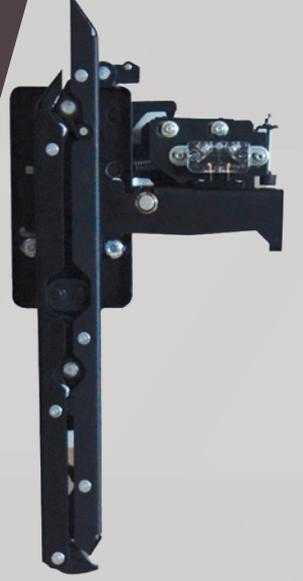
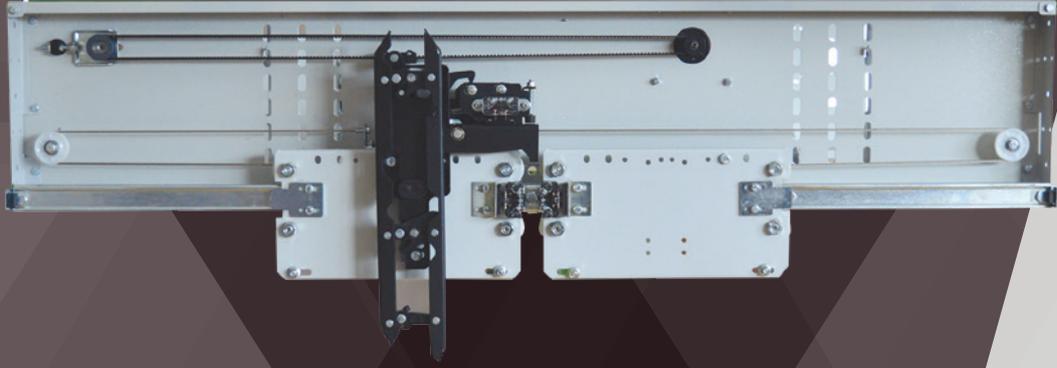
**6 Panel Merkezi Kabin Kapı Operatörü / 6 Panel Central Cabin Operator**



**HEAVY**

**SLIM**

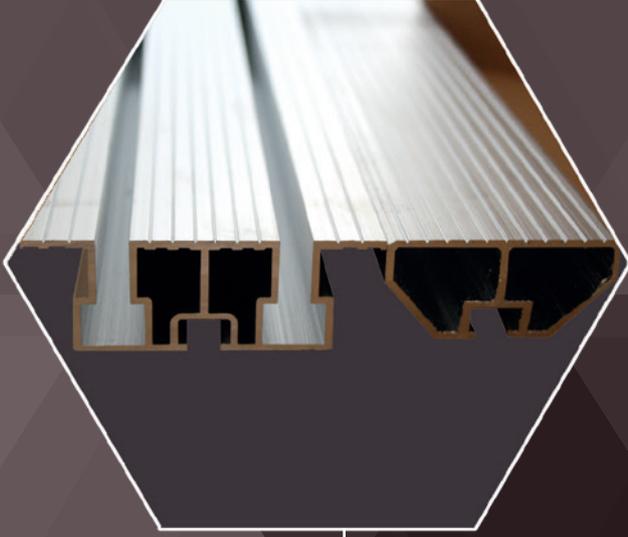
# alben



CE approved with directive 2014/33/EU  
Compliance with EN81:20 standards

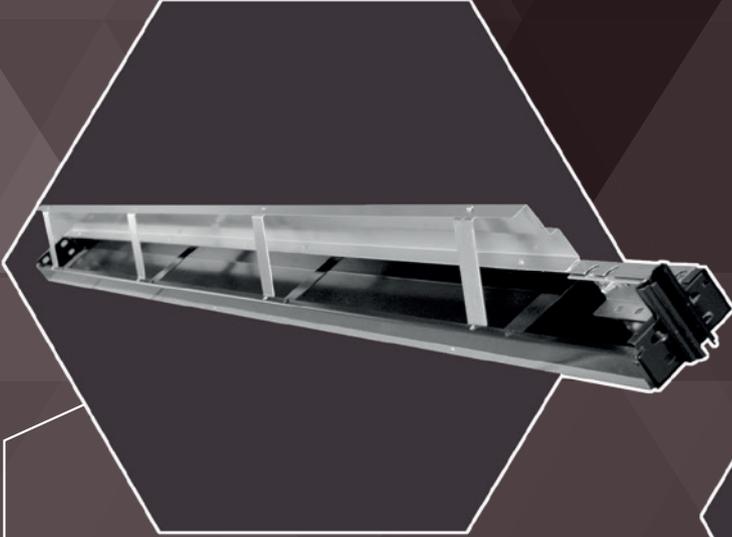


EN81:20 Yönetmeliğine uygun CE onaylı kilitli,  
ikinci fiş kontaktlı kaşık sistemi



**Geçme tırnak sistemi ile ayar gerektirmeyen ray montajı**

Cross rail mounting system that does not require setting



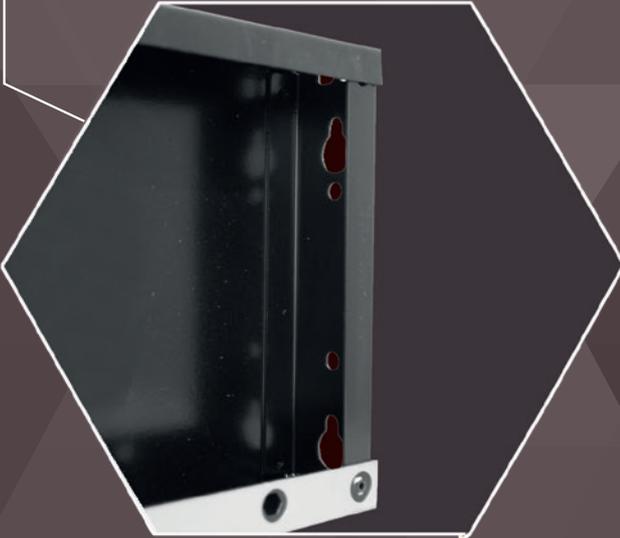
**Çift federli güçlendirilmiş direk ve kasa sistemi**

Reinforced beam and frame with double support system



**panellerde sağlamlığı ve stabilizasyonu maksimum düzeye çıkararak çift katlı bağlantı braketli paneller**

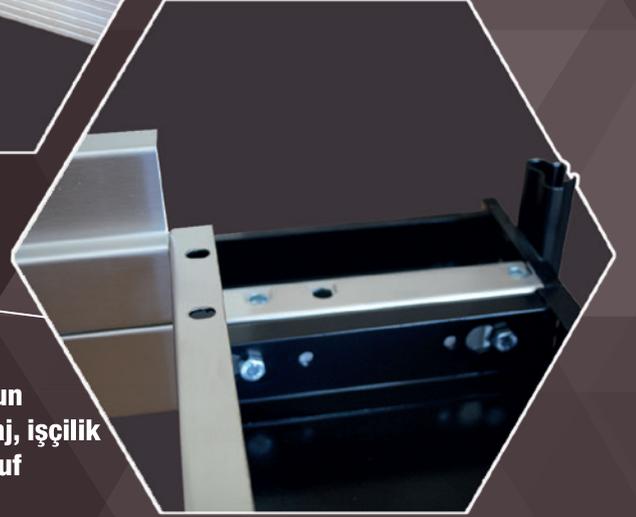
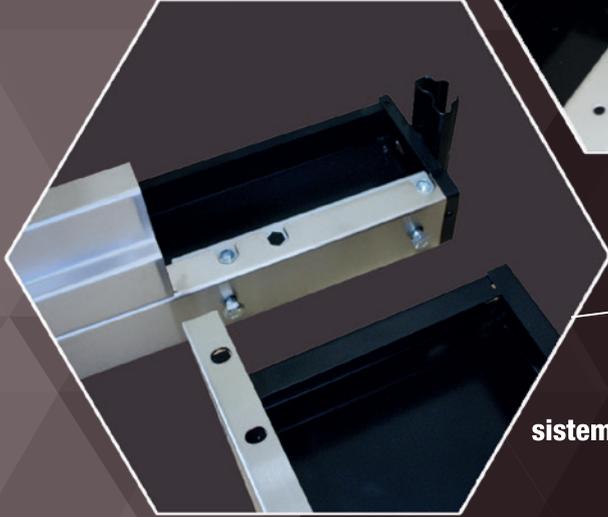
with the double-storey link bracket panels maximum durability and stabilization of the panel



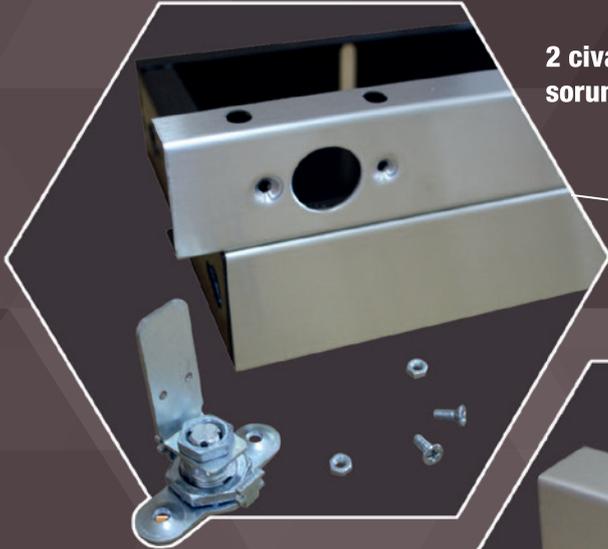
Time saving and perfect  
assembly with ready  
screw and nut system



Hazır civata ve somun  
sistemi ile kusursuz montaj, işçilik  
ve zamandan tasarruf



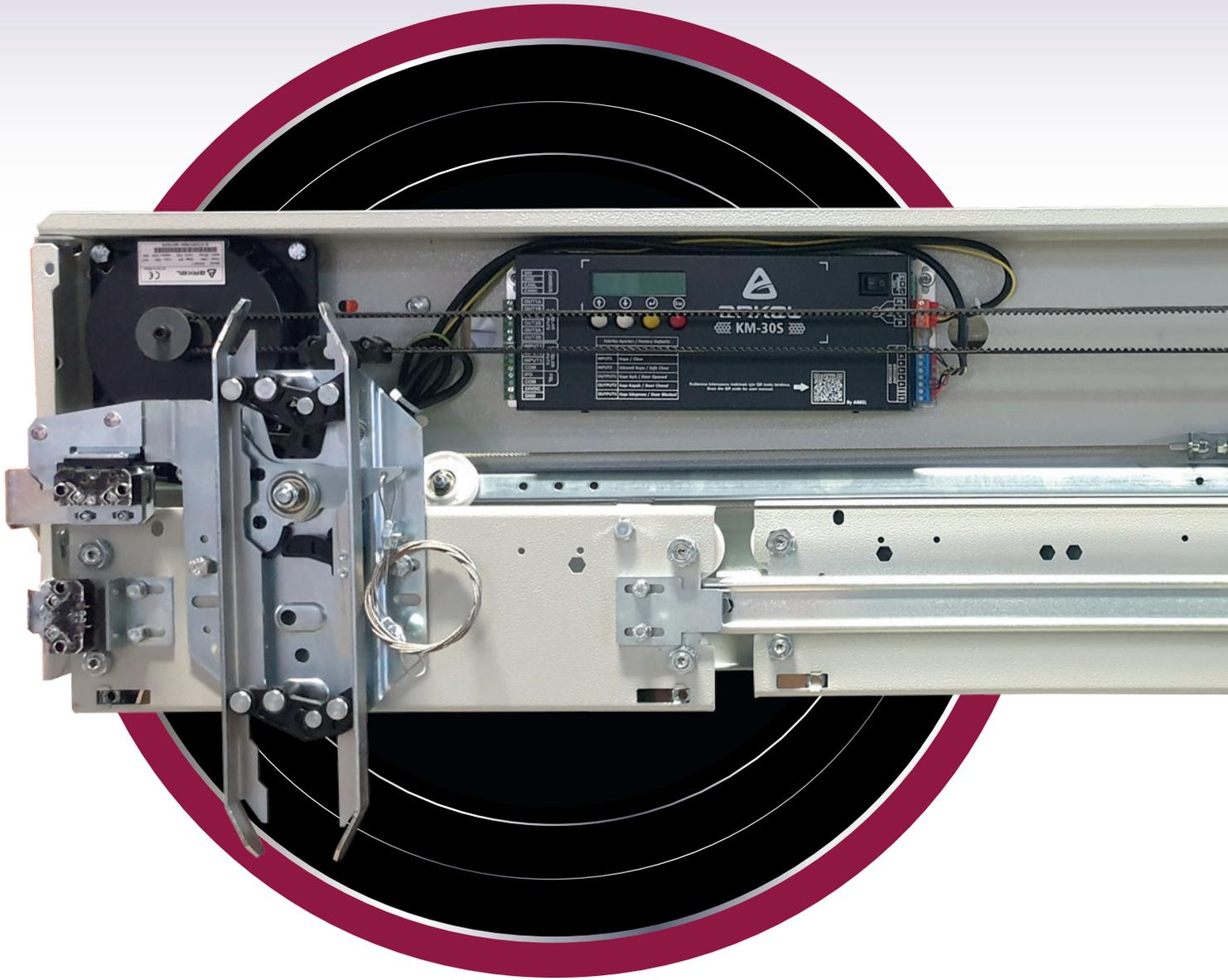
Hazır kilit sistemi ile  
2 civata ve somun ile zahmetsiz,  
sorunsuz ve ayarsız kilit montajı



Ready lock system  
simple and easy mounting  
with only 2 screws  
no adjustment required



# do alben



Opens to the future...