



NEMLİYER plus
MOISTURE PROOF plus

IP44

NEMLİYER plus
MOISTURE PROOF plus

IP55



IP44



IP55



IP44



IP55

Nemliyer plus Nemliyer plus



IP44



IP55



Anahtar / One Way Switch

IP44 37064001

IP44 37064101 (soketli/screwless terminal)

IP55 36064001

IP55 36064101 (soketli/screwless terminal)



Komütatör / Two-Circuit Switch

IP44 37064003

IP44 37064103 (soketli/screwless terminal)

IP55 36064003

IP55 36064103 (soketli/screwless terminal)



Zil Butonu / Bell Switch

IP44 37064050

IP44 37064150 (soketli / screwless terminal)

IP55 36064050

IP55 36064150 (soketli / screwless terminal)



Light / Light Switch

IP44 37064004

IP44 37064104 (soketli/screwless terminal)

IP55 36064004

IP55 36064104 (soketli/screwless terminal)



Jaluzi Anahtar / Shutter Push-Button

IP44 37064041

IP44 37064141 (soketli/screwless terminal)

IP55 36064041

IP55 36064141 (soketli/screwless terminal)



Vavien / Two-Way Switch

IP44 37064005

IP44 37064105 (soketli / screwless terminal)

IP55 36064005

IP55 36064105 (soketli / screwless terminal)



Deviatör / Intermediate Switch

IP44 37064020

IP44 37064120 (soketli/screwless terminal)

IP55 36064020

IP55 36064120 (soketli/screwless terminal)



Kapaklı Topraklı Priz / Schuko Socket Outlet with Lid

IP44 37064029

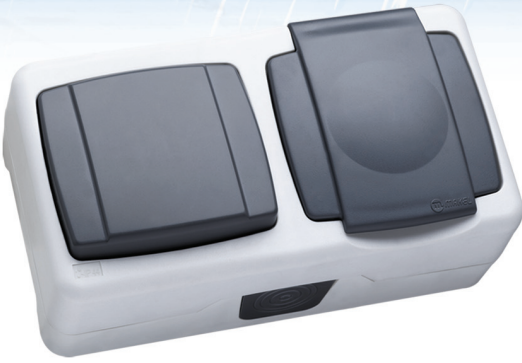
IP44 37064099 (soketli/screwless terminal)

IP55 36064029

IP55 36064099 (soketli/screwless terminal)

IP44 *Moisture Proof plus* IP44 IP55 *Moisture Proof plus* IP55

MAKEL kalitesi ile su ve toza karşı mükemmel korumalı yeni anahtar-priz serisi
The New Range of Switch and Socket-Outlets against harmful water and dust with excellent quality of MAKEL.



İkili Nemliyer Anahtar + Kapaklı Topraklı Priz
Dual Moist Environment Switch + Schuko Socket Outlet with Lid
IP44 37064202
IP44 37064207 (soketli / screwless terminal)
IP55 36064202
IP55 36064207 (soketli / screwless terminal)



İkili Nemliyer Komütatör + Kapaklı Topraklı Priz
Dual Moist Environment Commutator + Schuko Socket Outlet with Lid
IP44 37064203
IP44 37064208 (soketli / screwless terminal)
IP55 36064203
IP55 36064208 (soketli / screwless terminal)



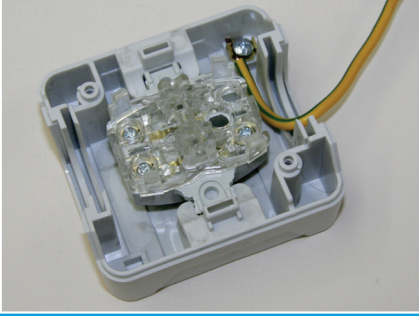
İkili Nemliyer Kapaklı Topraklı Priz
Dual Moist Environment Schuko Covered Socket
IP44 37064201
IP44 37064206 (soketli / screwless terminal)
IP55 36064201
IP55 36064206 (soketli / screwless terminal)

Nemliyer plus IP44 - Nemliyer plus IP55 Teknik Özellikleri *Moisture Proof plus IP44 - Moisture Proof plus IP55 Technical Details*



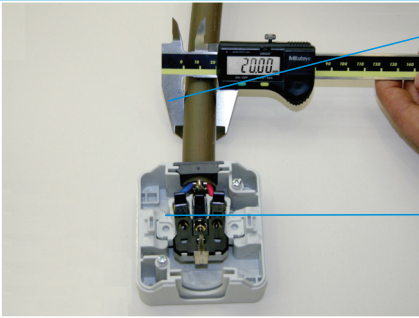
💧 Vidaların sonuna kadar sıkılmasına veya sökülmesine gerek kalmayan tasarım.

You do not need to screw or unscrew throughly thanks to design.



💧 Anahtarlarda topraklama kablosu bağlama imkanı.

Possibility to connect earthing conductor to switches.

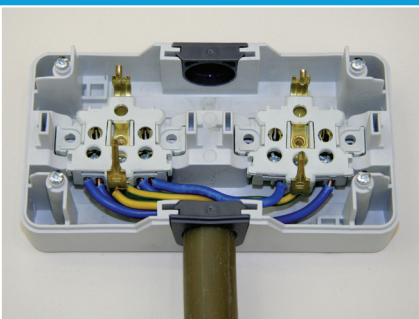


💧 Ø20 mm'e kadar açılabilen kablo giriş yeri.

Conduits permit as Ø20 mm diameter.

💧 Mekanizmanın kasaya tam oturarak yerinde oynamaması.

Mechanisms can fit own place tight.

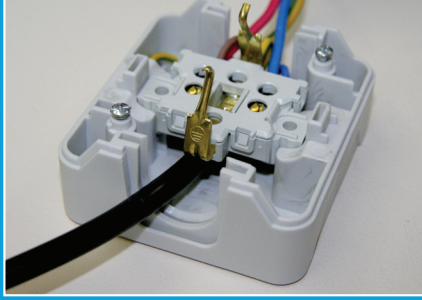
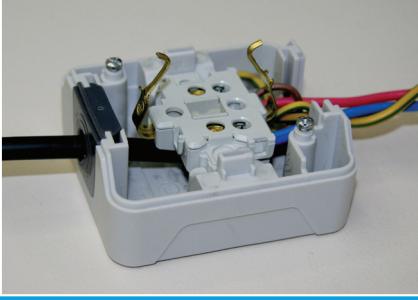


💧 Hazır köprülenmiş priz bağlantıları.
Kablolama için geniş alan.

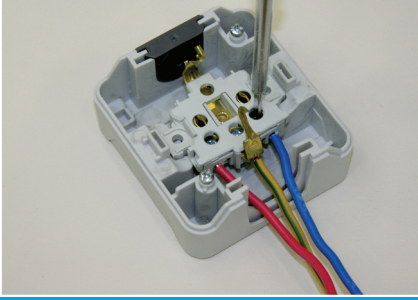
*Bridge circuits are ready.
Wide space for connection conductors.*



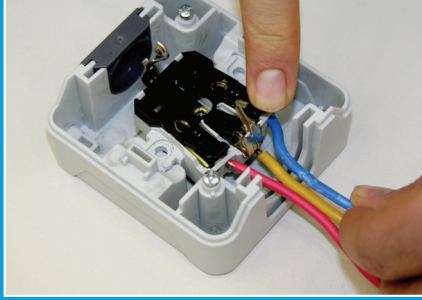
💧 Mekanizma altından kablo geçiş imkanı Possibility to pass the cord below the mechanism



💧 İster vidalı, ister soketli (çabuk montaj) kablo bağlama seçeneği There are two options with or without screw terminals (quick connection)

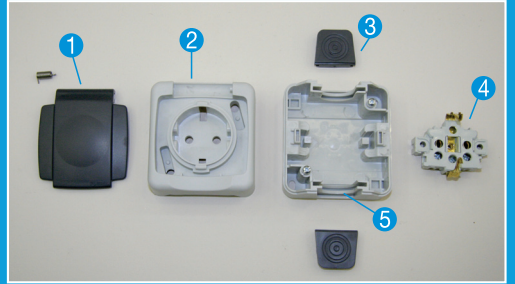
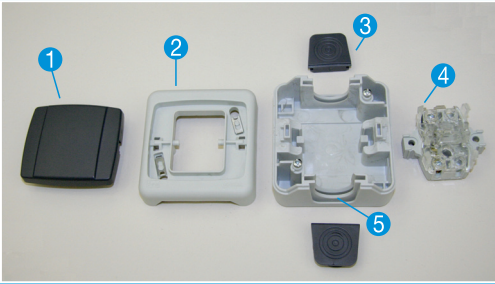


Vidalı bağlantı
With screw terminals



Soketli bağlantı
Without screw terminals and socket-outlets

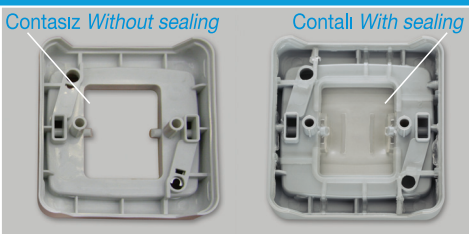
💧 Anahtar ve priz grubu malzemeleri Materials of switches and socket outlets



| | |
|---------------------------------|---|
| 1. Anahtar Tuş / Switch Button | ABS |
| 2. Anahtar Kapak / Switch Cover | PP (polipropilen / polypropylene) |
| 3. Tapa / Conduit Plug | PVC |
| 4. Mekanizma / Mechanism | PA6 / PC (poliamid6-polyamide6) (polikarbonat-polycarbonate) |
| 5. Kasa / Box | PP (polipropilen / polypropylene) |

| | |
|------------------------------|---|
| 1. Koruyucu Kapak / Lid | ABS |
| 2. Priz Kapak / Socket Cover | PP (polipropilen / polypropylene) |
| 3. Tapa / Conduit Plug | PVC |
| 4. Mekanizma / Mechanism | PA6 / PC (poliamid6-polyamide6) (polikarbonat-polycarbonate) |
| 5. Kasa / Box | PP (polipropilen / polypropylene) |

💧 IP44 ve IP55 arasındaki farklar Differences between IP44 and IP55



IP44

IP55

- IP 4 4
- Sıçrayan su girişine karşı korumalı, toza karşı korumalı
Protected against splash water from any direction
 - Çapı ≥ 1.0 mm olan katı cisimlere karşı korumalı
Protected against solid objects over 1.0 mm e.g. wires
- IP 5 5
- Fişkıran su girişine karşı korumalı
Protected against pressurized water from all angles.
 - Toza karşı korumalı
Protection against dust ingress

Nemliyer plus IP44 / Moisture Proof plus IP44

| Kod No. Code No. | Ürün Adı Product Name | Kutu Ad. Piece in Box | Koli Ad. Piece in Package | Brüt Ağırlık Gross Weight (kg.) | Koli Ebatları Size of Package (mm) |
|---------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|
| 37 xxx 001 | Anahtar / One Way Switch | 12 | 120 | 14,44 | 335 x 490 x 370 |
| 37 xxx 021 | Işıklı Anahtar / One Way Switch Illuminated | 12 | 120 | 14,33 | 335 x 490 x 370 |
| 37 xxx 101 | Anahtar Soketli / One Way Switch Screwless | 12 | 120 | 14,34 | 335 x 490 x 370 |
| 37 xxx 121 | Işıklı Anahtar Soketli One Way Switch Screwless Terminal Illuminated | 12 | 120 | 12,59 | 335 x 475 x 300 |
| 37 xxx 003 | Komütatör / Two-Circuit Switch | 12 | 120 | 14,56 | 335 x 490 x 370 |
| 37 xxx 023 | Işıklı Komütatör / Two-Circuit Switch Illuminated | 12 | 120 | 13,82 | 335 x 475 x 300 |
| 37 xxx 103 | Komütatör Soketli / Two-Circuit Switch Screwless | 12 | 120 | 14,50 | 335 x 490 x 370 |
| 37 xxx 123 | Işıklı Komütatör Soketli Two-Circuit Switch Screwless Terminal Illuminated | 12 | 120 | 15,08 | 335 x 490 x 370 |
| 37 xxx 004 | Light / Light Switch | 12 | 120 | 15,06 | 335 x 490 x 370 |
| 37 xxx 104 | Light Soketli / Light Switch Screwless | 12 | 120 | 15,00 | 335 x 490 x 370 |
| 37 xxx 024 | Işıklı Light / Light Switch Illuminated | 12 | 120 | 14,20 | 335 x 490 x 370 |
| 37 xxx 124 | Işıklı Light Soketli / Light Switch Illuminated Screwless | 12 | 120 | 14,14 | 335 x 490 x 370 |
| 37 xxx 005 | Vavien / Two-Way Switch | 12 | 120 | 14,55 | 335 x 490 x 370 |
| 37 xxx 105 | Vavien Soketli / Two-Way Switch Screwless | 12 | 120 | 14,50 | 335 x 490 x 370 |
| 37 xxx 025 | Işıklı Vavien / Two-Way Switch Illuminated | 12 | 120 | 14,35 | 335 x 490 x 370 |
| 37 xxx 125 | Işıklı Vavien Soketli / Two-Way Switch Illuminated Screwless | 12 | 120 | 14,29 | 335 x 490 x 370 |
| 37 xxx 029 | Kapaklı Topraklı Priz / Schuko Socket Outlet with Lid | 12 | 120 | 16,56 | 335 x 490 x 370 |
| 37 xxx 099 | Kapaklı Topraklı Priz Soketli Schuko Socket Outlet with Lid Screwless | 12 | 120 | 16,56 | 320 x 475 x 385 |
| 37 xxx 020 | Deviatör (Ara Vavien) / Intermediate Switch | 12 | 120 | 14,56 | 335 x 490 x 370 |
| 37 xxx 120 | Deviatör (Ara Vavien) Soketli / Intermediate Switch Screwless | 12 | 120 | 14,50 | 335 x 490 x 370 |
| 37 xxx 040 | Işıklı Deviatör / Intermediate Switch Illuminated | 12 | 120 | 14,40 | 335 x 490 x 370 |
| 37 xxx 140 | Işıklı Deviatör Soketli / Intermediate Switch Illuminated Screwless | 12 | 120 | 14,34 | 335 x 490 x 370 |
| 37 xxx 050 | Zil Butonu / Bell Switch | 12 | 120 | 13,50 | 335 x 490 x 370 |
| 37 xxx 150 | Zil Butonu Soketli / Bell Switch Screwless | 12 | 120 | 13,44 | 335 x 490 x 370 |
| 37 xxx 041 | Jaluzi Anahtar / Shutter Push-Button | 12 | 120 | 14,06 | 335 x 490 x 370 |
| 37 xxx 141 | Jaluzi Anahtar Soketli / Shutter Push-Button Screwless | 12 | 120 | 14,05 | 335 x 490 x 370 |
| 37 xxx 202 | İkili Nemliyer Anahtar + Kapaklı Topraklı Priz Dual Moist Environment Switch + Schuko Socket Outlet with Lid | 6 | 60 | 13,94 | 335 x 490 x 370 |
| 37 xxx 207 | İkili Nemliyer Anahtar + Kapaklı Topraklı Priz Soketli Dual Moist Environment Switch + Schuko Socket Outlet with Lid Screwless | 6 | 60 | 13,88 | 335 x 490 x 370 |
| 37 xxx 203 | İkili Nemliyer Komütatör + Kapaklı Topraklı Priz Dual Moist Environment Commutator + Schuko Socket Outlet with Lid | 6 | 60 | 14,00 | 335 x 490 x 370 |
| 37 xxx 208 | İkili Nemliyer Komütatör + Kapaklı Topraklı Priz Soketli Dual Moist Environment Commutator + Schuko Socket Outlet with Lid Screwless | 6 | 60 | 14,00 | 335 x 490 x 370 |
| 37 xxx 201 | İkili Nemliyer Kapaklı Topraklı Priz Dual Moist Environment Covered Schuko Socket | 6 | 60 | 14,59 | 335 x 490 x 370 |
| 37 xxx 206 | İkili Nemliyer Kapaklı Topraklı Priz Soketli Dual Moist Environment Covered Schuko Outlet with Socket | 6 | 60 | 14,53 | |

Ürün kodlarında 'xxx' olan bölüme aşağıdaki tablodan renk ekleyiniz.
Within the product codes showing 'xxx', enter the color from the table below.

| Renkler Colors | Kod No. Code No. |
|-------------------|---------------------|
| | XXX |
| Gri / Gray | 064 |
| Beyaz / White | 001 |
| Krem / Beige | 010 |



Nemliyer plus IP55 / Moisture Proof plus IP55

| Kod No. Code No. | Ürün Adı Product Name | Kutu Ad. Piece in Box | Koli Ad. Piece in Package | Brüt Ağırlık Gross Weight (kg.) | Koli Ebatları Size of Package (mm) |
|---------------------|--|-----------------------------|---------------------------------|---------------------------------------|--|
| 36 xxx 001 | Anahtar / One Way Switch | 12 | 120 | 14,70 | 335 x 490 x 370 |
| 36 xxx 021 | Işıklı Anahtar / One Way Switch Illuminated | 12 | 120 | 14,00 | 335 x 490 x 370 |
| 36 xxx 101 | Anahtar Soketli / One Way Switch Screwless | 12 | 120 | 14,64 | 335 x 490 x 370 |
| 36 xxx 121 | Işıklı Anahtar Soketli One Way Switch Screwless Terminal Illuminated | 12 | 120 | 14,58 | 335 x 475 x 300 |
| 36 xxx 003 | Komütatör / Two-Circuit Switch | 12 | 120 | 14,83 | 335 x 490 x 370 |
| 36 xxx 023 | Işıklı Komütatör / Two-Circuit Switch Illuminated | 12 | 120 | 15,43 | 335 x 475 x 300 |
| 36 xxx 103 | Komütatör Soketli / Two-Circuit Switch Screwless | 12 | 120 | 14,77 | 335 x 490 x 370 |
| 36 xxx 123 | Işıklı Komütatör Soketli Two-Circuit Switch Screwless Terminal Illuminated | 12 | 120 | 13,06 | 335 x 490 x 370 |
| 36 xxx 004 | Light / Light Switch | 12 | 120 | 15,42 | 335 x 490 x 370 |
| 36 xxx 104 | Light Soketli / Light Switch Screwless | 12 | 120 | 15,36 | 335 x 490 x 370 |
| 36 xxx 024 | Işıklı Light / Light Switch Illuminated | 12 | 120 | 14,50 | 335 x 490 x 370 |
| 36 xxx 124 | Işıklı Light Soketli / Light Switch Illuminated Screwless | 12 | 120 | 14,44 | 335 x 490 x 370 |
| 36 xxx 005 | Vavien / Two-Way Switch | 12 | 120 | 14,92 | 335 x 490 x 370 |
| 36 xxx 105 | Vavien Soketli / Two-Way Switch Screwless | 12 | 120 | 14,86 | 335 x 490 x 370 |
| 36 xxx 025 | Işıklı Vavien / Two-Way Switch Illuminated | 12 | 120 | 14,65 | 335 x 490 x 370 |
| 36 xxx 125 | Işıklı Vavien Soketli / Two-Way Switch Illuminated Screwless | 12 | 120 | 14,59 | 335 x 490 x 370 |
| 36 xxx 029 | Kapaklı Topraklı Priz / Schuko Socket Outlet with Lid | 12 | 120 | 16,94 | 320 x 475 x 385 |
| 36 xxx 099 | Kapaklı Topraklı Priz Soketli Schuko Socket Outlet with Lid Screwless | 12 | 120 | 16,56 | 320 x 475 x 385 |
| 36 xxx 020 | Deviatör (Ara Vavien) / Intermediate Switch | 12 | 120 | 14,85 | 335 x 490 x 370 |
| 36 xxx 120 | Deviatör (Ara Vavien) Soketli / Intermediate Switch Screwless | 12 | 120 | 14,85 | 335 x 490 x 370 |
| 36 xxx 040 | Işıklı Deviatör / Intermediate Switch Illuminated | 12 | 120 | 14,70 | 335 x 490 x 370 |
| 36 xxx 140 | Işıklı Deviatör Soketli / Intermediate Switch Illuminated Screwless | 12 | 120 | 14,64 | 335 x 490 x 370 |
| 36 xxx 050 | Zil Butonu / Bell Switch | 12 | 120 | 13,83 | 335 x 490 x 370 |
| 36 xxx 150 | Zil Butonu Soketli / Bell Switch Screwless | 12 | 120 | 13,78 | 335 x 490 x 370 |
| 36 xxx 041 | Jaluzi Anahtar / Shutter Push-Button | 12 | 120 | 14,45 | 335 x 490 x 370 |
| 36 xxx 141 | Jaluzi Anahtar Soketli / Shutter Push-Button Screwless | 12 | 120 | 14,39 | 335 x 490 x 370 |
| 36 xxx 202 | İkili Nemliyer Anahtar + Kapaklı Topraklı Priz Dual Moist Environment Switch + Schuko Socket Outlet with Lid | 6 | 60 | 14,30 | 335 x 490 x 370 |
| 36 xxx 207 | İkili Nemliyer Anahtar + Kapaklı Topraklı Priz Soketli Dual Moist Environment Switch + Schuko Socket Outlet with Lid Screwless | 6 | 60 | 14,24 | 335 x 490 x 370 |
| 36 xxx 203 | İkili Nemliyer Komütatör + Kapaklı Topraklı Priz Dual Moist Environment Commutator + Schuko Socket Outlet with Lid | 6 | 60 | 14,35 | 335 x 490 x 370 |
| 36 xxx 208 | İkili Nemliyer Komütatör + Kapaklı Topraklı Priz Soketli Dual Moist Environment Commutator + Schuko Socket Outlet with Lid Screwless | 6 | 60 | 14,35 | 335 x 490 x 370 |
| 36 xxx 201 | İkili Nemliyer Kapaklı Topraklı Priz Dual Moist Environment Covered Schuko Socket | 6 | 60 | 14,88 | 335 x 490 x 370 |
| 36 xxx 206 | İkili Nemliyer Kapaklı Topraklı Priz Soketli Dual Moist Environment Covered Schuko Outlet with Socket | 6 | 60 | 14,81 | 335 x 490 x 370 |

Ürün kodlarında 'xxx' olan bölüme aşağıdaki tablodan renk ekleyiniz.
Within the product codes showing 'xxx', enter the color from the table below.

| Renkler Colors | Kod No. Code No. |
|-------------------|---------------------|
| | XXX |
| Gri / Gray | 064 |
| Beyaz / White | 001 |
| Krem / Beige | 010 |

ORJİN

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