

## Product description

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### MAIN FEATURES

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The Varietybox 35 consists of 4 structurally identical corner profiles and 6 flat sheets. The multifunctional corner profiles and flat sheets are made of aluminum. Thanks to the simple structure, assembly is extremely fast. The Varietybox 35 is a cost-effective solution and easy to modify.

- › Multifunctional corner extrusion made from aluminum
- › Flat plates made from aluminum sheet metal 2 mm
- › Fast assembly (1 to 2 min)
- › Very cost effective solution
- › Easy to modify
- › IP40 (without ventilation slots) | IP30 (with ventilation slots)
- › EMC level basic when using clear passivated corner extrusions
- › Hard and wear resistant solution when using anodized corner extrusions

### PRODUCT VARIETY

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- Predefined standard or custom sizes

### POSSIBLE CUSTOMIZATIONS

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- Variable sizes
- Anodized or passivated

### VARIETYBOX 35



### TYPICAL APPLICATIONS

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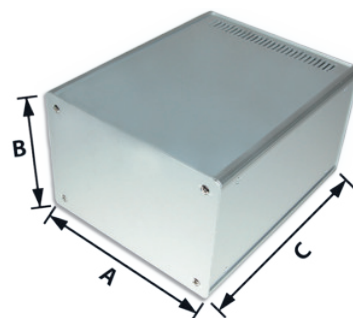
- Test and measurement equipment
- Control instruments
- Service equipment

## Executions

### SIZES

Standard dimensions:

| A      |       | x | B      |       | x | C   |       |
|--------|-------|---|--------|-------|---|-----|-------|
| mm     | inch  |   | mm     | inch  |   | mm  | inch  |
| 74     | 2.91  |   | 74     | 2.91  |   | 64  | 2.52  |
| 104    | 4.09  |   | 104    | 4.09  |   | 94  | 3.70  |
| 125    | 4.92  |   | 125    | 4.92  |   |     |       |
| 134    | 5.27  |   | 134    | 5.27  |   | 124 | 4.88  |
| 194    | 7.63  |   | 194    | 7.63  |   | 184 | 7.24  |
| 254    | 10.0  |   |        |       |   | 244 | 9.60  |
| 258.35 | 10.17 |   | 258.35 | 10.17 |   |     |       |
| 314    | 12.36 |   | 314    | 12.36 |   | 304 | 11.96 |



Other dimensions available on request

### COLORS

- Profiles: Black or clear anodized
- Customizations on request

### MULTIFUNCTIONAL CORNER EXTRUSION

- Functions symmetrical
- Can be mounted twisted
- Size: approx. 30 mm
- Outer radius 5 mm
- Material: Aluminum
- Different colours (anodized or painted)
- Conductive or wear resistant

- Take-up of sheet metal 1.5 or 2 mm
- Mounting through insertion
- Use of flat sheet metal
- Different materials, surfaces, colors

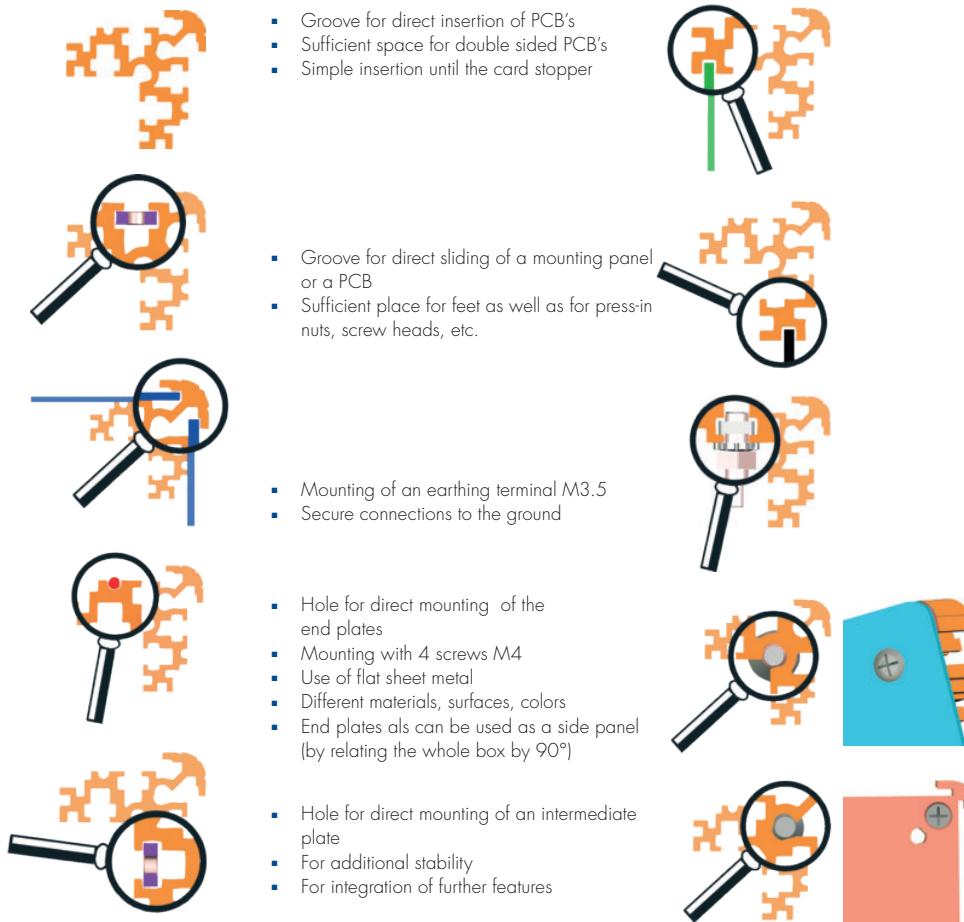
- Groove for direct insertion of PCB's
- Sufficient space for double sided PCB's
- Simple insertion until the card stopper

- Groove for direct sliding of a mounting panel or a PCB
- Sufficient place for feet as well as for press-in nuts, screw heads, etc.

- Mounting of an earthing terminal M3.5
- Secure connections to the ground

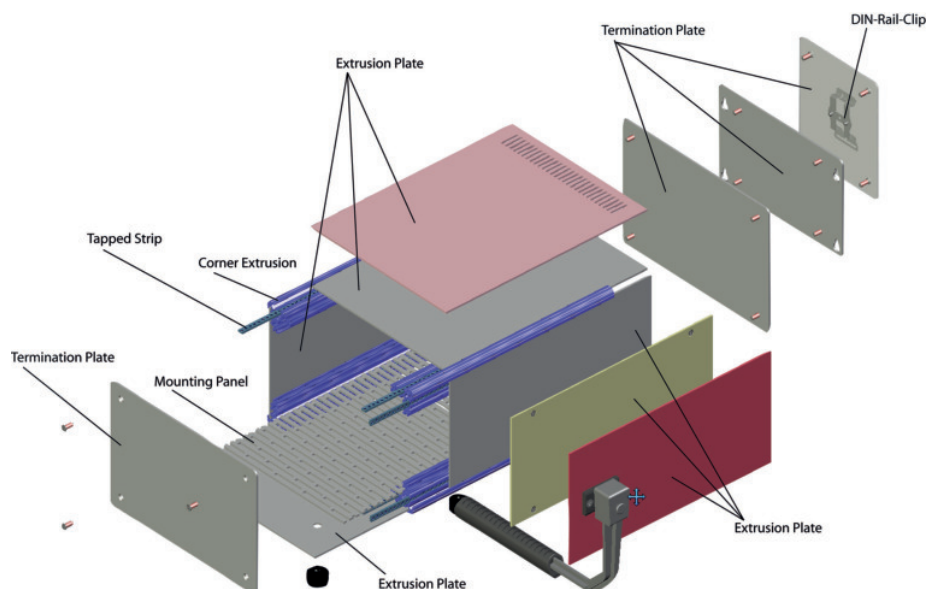
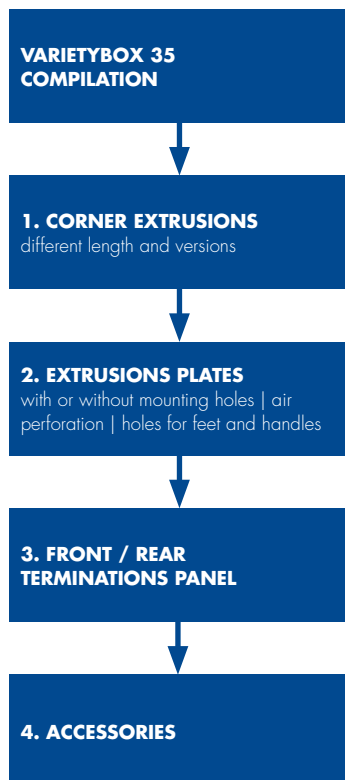
- Hole for direct mounting of the end plates
- Mounting with 4 screws M4
- Use of flat sheet metal
- Different materials, surfaces, colors
- End plates als can be used as a side panel (by relating the whole box by 90°)

- Hole for direct mounting of an intermediate plate
- For additional stability
- For integration of further features



## Product structure

### CONFIGURATION

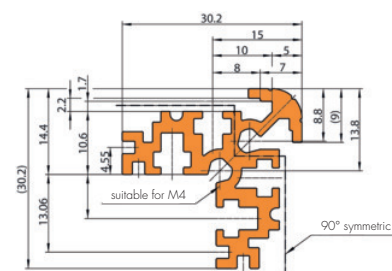


### CORNER EXTRUSIONS

- Extruded aluminum
- Versions: Clear anodized / black anodized / clear passivated (conductive)
- 7 different length
- Other sizes, colors and surface treatments on request

Scope of delivery:

- 1 corner extrusion
- For one Varietybox 35 are 4 corner extrusions necessary (order separately)



| Length |       | Part No.       | Part No.       | Part No.         | Part No.   |
|--------|-------|----------------|----------------|------------------|------------|
| mm     | inch  | clear anodized | black anodized | clear passivated | raw        |
| 60     | 2.36  | 66-244-060-1   | 66-244-060-2   | 66-244-060-3     |            |
| 90     | 3.54  | 66-244-090-1   | 66-244-090-2   | 66-244-090-3     |            |
| 120    | 4.72  | 66-244-120-1   | 66-244-120-2   | 66-244-120-3     |            |
| 180    | 7.08  | 66-244-180-1   | 66-244-180-2   | 66-244-180-3     |            |
| 240    | 9.44  | 66-244-240-1   | 66-244-240-2   | 66-244-240-3     |            |
| 300    | 11.81 | 66-244-300-1   | 66-244-300-2   | 66-244-300-3     |            |
| 1350   | 53.15 | 66-244-1350-1  | 66-244-1350-2  | 66-244-1350-3    | 66-244-100 |



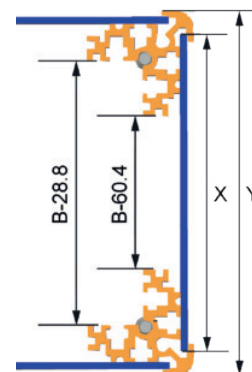
## Product structure

### EXTRUSIONS PLATES

- Without holes inserted into extrusion
- With or without air perforation
- With or without holes for mounting feet
- With holes for screwing (for more stability and for direct access)
- Material: Aluminum 2 mm | front clear anodized | rear conductive
- Other sizes, colors and surface treatments on request

Scope of delivery:

- 1 extrusion plate
- For one Varietybox 35 are 4 extrusions plates necessary (order separately)



| If extrusion plate size is (X)... |       |
|-----------------------------------|-------|
| mm                                | inch  |
| 60                                | 2.36  |
| 90                                | 3.54  |
| 120                               | 4.72  |
| 180                               | 7.08  |
| 240                               | 9.44  |
| 300                               | 11.81 |

| ...then use terminations panel size (Y) |       |
|---|-------|
| mm                                      | inch  |
| 74                                      | 2.91  |
| 104                                     | 4.09  |
| 134                                     | 5.27  |
| 194                                     | 7.63  |
| 254                                     | 10.0  |
| 314                                     | 12.36 |

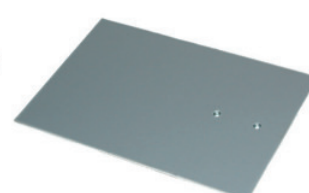
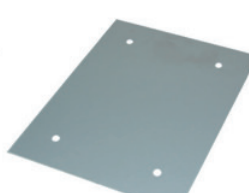
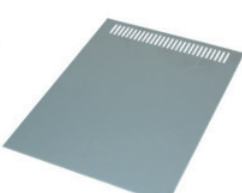
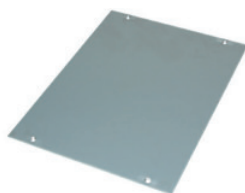
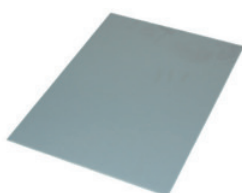
Without holes

With mounting holes

With air perforation

With holes for feet

With holes for handles



### EXTRUSION PLATES WITHOUT HOLES

- For simple insertion into the corner extrusions

Scope of delivery:

- 1 extrusion plate

For mounting of  
single / double Eurocards:

| Dimensions |             | Part No. |
|------------|-------------|----------|
| mm         | inch        |          |
| 60 x 60    | 2.36 x 2.36 | 35-20001 |
| 60 x 90    | 2.36 x 3.54 | 35-20002 |
| 60 x 120   | 2.36 x 4.72 | 35-20003 |
| 60 x 180   | 2.36 x 7.08 | 35-20004 |
| 60 x 240   | 2.36 x 9.44 | 35-20005 |
| 90 x 90    | 3.54 x 3.54 | 35-20036 |
| 90 x 120   | 3.54 x 4.72 | 35-20006 |
| 90 x 180   | 3.54 x 7.08 | 35-20007 |
| 90 x 240   | 3.54 x 9.44 | 35-20008 |

| Dimensions |               | Part No. |
|------------|---------------|----------|
| mm         | inch          |          |
| 120 x 120  | 4.72 x 4.72   | 35-20009 |
| 120 x 180  | 4.72 x 7.08   | 35-20010 |
| 120 x 240  | 4.72 x 9.44   | 35-20012 |
| 120 x 300  | 4.72 x 11.81  | 35-20041 |
| 180 x 180  | 7.08 x 7.08   | 35-20013 |
| 180 x 240  | 7.08 x 9.44   | 35-20014 |
| 180 x 300  | 7.08 x 11.81  | 35-20042 |
| 240 x 240  | 9.44 x 9.44   | 35-20016 |
| 240 x 300  | 9.44 x 11.81  | 35-20037 |
| 300 x 300  | 11.81 x 11.81 | 35-20038 |

| Dimensions   |             | Part No. |
|--------------|-------------|----------|
| mm           | inch        |          |
| 111.00 x 180 | 4.37 x 7.08 | 35-20011 |
| 244.35 x 180 | 9.62 x 7.08 | 35-20015 |

## Product structure

### EXTRUSION PLATES

#### EXTRUSION PLATE WITH MOUNTING HOLES

- For more stability
- Removable for maintenance and accessibility

Scope of delivery:

- 1 extrusion plate

| Dimensions |             | Effective dimensions |             | Part No. |
|------------|-------------|----------------------|-------------|----------|
| mm         | inch        | mm                   | inch        |          |
| 120 x 120  | 4.72 x 4.72 | 117.5 x 120          | 4.62 x 4.72 | 35-20017 |
| 120 x 180  | 4.72 x 7.08 | 117.5 x 180          | 4.62 x 7.08 | 35-20018 |
| 120 x 240  | 4.72 x 9.44 | 117.5 x 240          | 4.62 x 9.44 | 35-20019 |
| 180 x 120  | 7.08 x 4.72 | 177.5 x 120          | 6.98 x 4.72 | 35-20020 |
| 180 x 180  | 7.08 x 7.08 | 177.5 x 180          | 6.98 x 7.08 | 35-20021 |
| 180 x 240  | 7.08 x 9.44 | 177.5 x 240          | 6.98 x 9.44 | 35-20022 |
| 240 x 120  | 9.44 x 4.72 | 237.5 x 120          | 9.35 x 4.72 | 35-20023 |
| 240 x 180  | 9.44 x 7.08 | 237.5 x 180          | 9.35 x 7.08 | 35-20024 |
| 240 x 240  | 9.44 x 9.44 | 237.5 x 240          | 9.35 x 9.44 | 35-20025 |

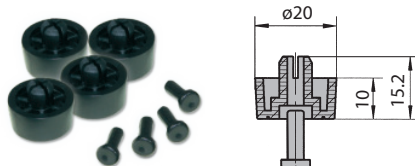
#### EXTRUSION PLATE WITH AIR PERFORATION

- For thermal optimisation
- IP30 is ensured with air perforation

Scope of delivery:

- 1 extrusion plate

| Dimensions |               | Part No. |
|------------|---------------|----------|
| mm         | inch          |          |
| 120 x 300  | 4.72 x 11.81  | 35-20044 |
| 180 x 240  | 7.08 x 9.44   | 35-20026 |
| 180 x 300  | 7.08 x 11.81  | 35-20046 |
| 240 x 180  | 9.44 x 7.08   | 35-20027 |
| 240 x 240  | 9.44 x 9.44   | 35-20028 |
| 300 x 300  | 11.81 x 11.81 | 35-20045 |



Assembly material:

| Description                                  | Length   effective length | Part No. |
|--|---------------------------|----------|
| Cross recessed countersunk screw M3 x 6      |                           | 5332-06  |
| Countersunk screw torx T10 (M3 x 6)          |                           | 5470-22  |
| Tapped strip 2 x 6 mm, M3                    | 120 / 106.2 mm            | 61-457   |
| Tapped strip 2 x 6 mm, M3                    | 180 / 212.9 mm            | 61-428   |
| Tapped strip 2 x 6 mm, M3                    | 240 / 212.9 mm            | 61-454   |
| Square nut M3                                |                           | 5621-40  |
| Plastic glider                               |                           | 61-015   |
| Set screw for fixing of tapped strips M3 x 6 |                           | 5413-06  |

#### EXTRUSION PLATE WITH HOLES FOR FEET

- For mounting of enclosure feet

Scope of delivery:

- 1 extrusion plate

| Dimensions |               | Part No. |
|------------|---------------|----------|
| mm         | inch          |          |
| 180 x 240  | 7.08 x 9.44   | 35-20029 |
| 180 x 300  | 7.08 x 11.81  | 35-20043 |
| 240 x 240  | 9.44 x 9.44   | 35-20030 |
| 240 x 300  | 9.44 x 11.81  | 35-20039 |
| 300 x 300  | 11.81 x 11.81 | 35-20040 |

Enclosure feet:

- Black plastic, UL94 V0
- Easy and fast mounting
- Mounting without tools
- Scope of delivery: Set 4 pieces plastic feet incl. push rivet

| Description                                  | Part No. |
|--|----------|
| Set of enclosure feet, black (RAL 9005)      | 63-528   |
| Set of enclosure feet, light gray (RAL 7035) | 63-529   |

## Product structure

### EXTRUSIONS PLATES

#### EXTRUSION PLATE WITH HOLES FOR HANDLES

- For mounting a handle

Scope of delivery:

- 1 extrusion plate

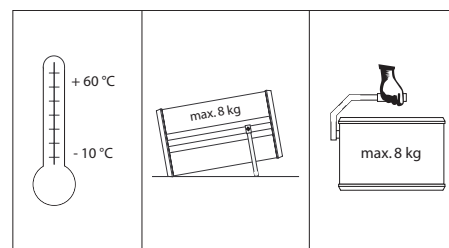
| Dimensions |             | Part No. |
|------------|-------------|----------|
| mm         | inch        |          |
| 90 x 180   | 3.54 x 7.08 | 35-20031 |
| 90 x 240   | 3.54 x 9.44 | 35-20032 |
| 120 x 180  | 4.72 x 7.08 | 35-20033 |
| 120 x 240  | 4.72 x 9.44 | 35-20034 |
| 180 x 240  | 7.08 x 9.44 | 35-20035 |



Carrying handle:

- Zinc die-cast, powder-coated
- Handle piece: Black polyurethane, UL 94V-0
- Handle is 90° detent (carrying position has a slight detent)
- Following the enclosures sizes there are handles available in two widths
- Scope of delivery: Pre-assembled handle with assembly material

| Color | Part No.<br>212 mm   8.34" | Part No.<br>188 mm   7.40" |
|-------|----------------------------|----------------------------|
| Black | 33-645                     | 33-646                     |



Carrying capacity dependent on distribution of load and handling.

Assembly material for handle:

- 2 screws per 1 handle

| Description                              | Part No. |
|--|----------|
| Cross recessed countersunk screw M4 x 10 | 5342-10  |
| Countersunk screw torx T20 (M4 x 10)     | 5470-26  |

## Product structure

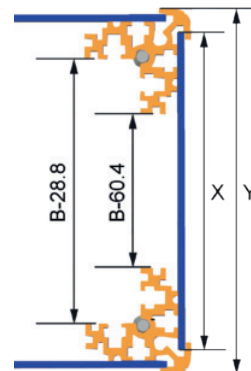
### FRONT / REAR TERMINATIONS PANEL

- Aluminum sheet metal 2 mm
- Front clear anodized | rear conductive
- Other sizes, colors and surface treatments on request

Scope of delivery:

- 1 front / rear terminations panel
- For one Varietybox 35 are 2 terminations panel (1 front / 1 rear) necessary

| If extrusion plate size is (X)... |       | ...then use extrusion plate size (Y) |       |
|-----------------------------------|-------|--------------------------------------|-------|
| mm                                | inch  | mm                                   | inch  |
| 60                                | 2.36  | 74                                   | 2.91  |
| 90                                | 3.54  | 104                                  | 4.09  |
| 120                               | 4.72  | 134                                  | 5.27  |
| 180                               | 7.08  | 194                                  | 7.63  |
| 240                               | 9.44  | 254                                  | 10.0  |
| 300                               | 11.81 | 314                                  | 12.36 |



### ABSCHLUSSPLATTEN STANDARD

Lieferumfang:

- 1 Abschlussplatte
- Pro Abschlussplatte 4 Schrauben nötig (separat bestellen)

| Dimensions |               | Part No. |
|------------|---------------|----------|
| mm         | inch          |          |
| 74 x 74    | 2.91 x 2.91   | 35-10001 |
| 74 x 104   | 2.91 x 4.09   | 35-10002 |
| 74 x 134   | 2.91 x 5.27   | 35-10003 |
| 74 x 194   | 2.91 x 7.63   | 35-10004 |
| 74 x 254   | 2.91 x 10     | 35-10005 |
| 104 x 104  | 4.09 x 4.09   | 35-10006 |
| 104 x 134  | 4.09 x 5.27   | 35-10007 |
| 104 x 194  | 4.09 x 7.63   | 35-10008 |
| 104 x 254  | 4.09 x 10     | 35-10009 |
| 134 x 134  | 5.27 x 5.27   | 35-10010 |
| 134 x 194  | 5.27 x 7.63   | 35-10011 |
| 134 x 254  | 5.27 x 10     | 35-10012 |
| 134 x 314  | 5.27 x 12.36  | 35-10022 |
| 194 x 194  | 7.63 x 7.63   | 35-10024 |
| 194 x 254  | 7.63 x 10     | 35-10013 |
| 194 x 254  | 7.63 x 12.39  | 35-10023 |
| 254 x 254  | 10.00 x 10    | 35-10019 |
| 254 x 314  | 10.00 x 12.36 | 35-10020 |
| 314 x 314  | 12.36 x 12.36 | 35-10021 |

### TERMINATIONS PANEL FOR EUROCARDS MOUNTING

- Direct sliding of single / double Eurocards

Scope of delivery:

- 1 terminations panel
- Per terminations panel 4 screws are needed (order separately)

| Dimensions   |              | Description      | Part No. |
|--------------|--------------|------------------|----------|
| mm           | inch         |                  |          |
| 125 x 104    | 4.92 x 4.09  | single Eurocards | 35-10014 |
| 258.35 x 104 | 10.17 x 4.09 | double Eurocards | 35-10016 |

## Product structure

### FRONT / REAR TERMINATIONS PANEL

#### TERMINATIONS PANEL FOR DIN-RAIL MOUNTING

- Incl. riveted steel DIN-clip
- Suitable for top hat rails 35 mm according to IEC60715 / EN50022

Scope of delivery:

- 1 terminations panel
- Per terminations panel 4 screws are needed (order separately)

| Dimensions   |              | Description       | Part No. |
|--------------|--------------|-------------------|----------|
| mm           | inch         |                   |          |
| 125 x 104    | 4.92 x 4.09  | DIN-Rail mounting | 35-10015 |
| 258.35 x 104 | 10.17 x 4.09 | DIN-Rail mounting | 35-10017 |



#### TERMINATIONS PANEL FOR WALL MOUNTING

Scope of delivery:

- 1 terminations panel
- Per terminations panel 4 screws are needed (order separately)

| Dimensions |             |           | Part No. |
|------------|-------------|-----------|----------|
| mm         | inch        | mm        |          |
| 104 x 164  | 4.09 x 6.45 | 104 x 134 | 35-10018 |

Other dimensions and arrangements on request



#### SCREWS FOR MOUNTING TERMINATIONS PANEL

- Small head
- Per terminations panel 4 screws are needed and 8 screws per Varietybox 35 (order separately)

| Description                                 | Part No. |
|---|----------|
| Countersunk screw torx T10 (M4 x 10)        | 5441-54  |
| Countersunk screw torx T10 (M4 x 10), black | 5441-57  |

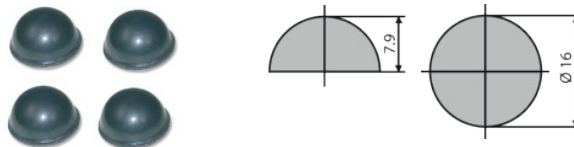
## Accessories

### BUMPON (SELF ADHESIVE FEET)

- Self adhesive bump on
- Black polyurethane, UL94 HB

Scope of delivery:

- 1 bump on



| Description | Part No. |
|-------------|----------|
| Bump on     | 7650-52  |

### SEALING GASKET

- For EMC-sealing from extrusion to extrusion plates
- For higher IP-protection (upon request, still in engineering process)
- Firmer securing of non-screwed extrusion plates
- Conductive sealing

Scope of delivery:

- 1 sealing gasket (conductive or non-conductive)



| Description                                    | Part No. |
|--|----------|
| Sealing gasket conductive, length 700 mm       | 33E025   |
| Sealing gasket non-conductive, length 1'000 mm | 33-025   |

### MOUNTING PLATES

- Mounting plates made of 2 mm (0.07") thick sheet aluminum
- Dimensions correspond to the respective mounting terminations panel
- Position of the slots allows various mounting arrangements and good air circulation
- Mounting plate is screwed to corner extrusion with M3 nut and screw in 4 places

Scope of delivery:

- 1 mounting plate, aluminum raw



| End plate width |       | Mounting plate dimensions |               | Part No. |
|-----------------|-------|---------------------------|---------------|----------|
| mm              | inch  | mm                        | inch          |          |
| 194             | 7.63  | 160 x 116.5               | 6.30 x 4.72   | 35-30004 |
| 254             | 10    | 220 x 116.5               | 8.66 x 4.72   | 35-30007 |
| 254             | 10    | 220 x 176.5               | 8.66 x 7.08   | 35-30008 |
| 314             | 12.36 | 280 x 296.5               | 11.02 x 11.67 | 35-30012 |
| 314             | 12.36 | 280 x 116.5               | 11.02 x 4.72  | 35-30014 |

Other sizes on request

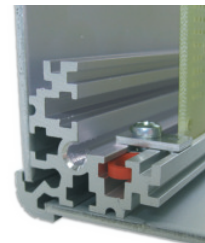
## Accessories

### CARD STOP

- Card stop are used for card or mounting plate fixation when directly inserted

Scope of delivery:

- 1 card stopper aluminum
- 1 cross recessed screw M3 x 6
- 1 square nut M3
- 2 plastic gliders



| Description      | Part No. |
|------------------|----------|
| Straight version | 35-00001 |
| Angled version   | 35-00002 |

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China: +86 21 5866 5908  
France: +33 388 56 72 50

Germany: +49 7231 97 34 0  
Israel: +972 3 930 50 25

Singapore: +65 6479 8552  
Switzerland: +41 44 933 41 11

United Kingdom: +44 1234 838 822  
United States: +1 510 656 3400