# Terminal blocks

## G - Distribution terminal blocks

entrelec

## Summary

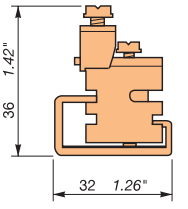
# Ground terminal block

## Screw clamp

⌙ **DIN 1 (EN 50035, DIN 46277/1, NFL 63018)**

## E 10/13.P

**Spacing 13 mm *(.512")***




| Type | Part number | Type | Part numbers |
|---|---|---|---|
| 1 Screw clamp<br>Can also be used as end stop | | | |
| **E 10/13.P** | 1SNA **162 855** R**23**00 | | |

| Characteristics | | NFC DIN | UL | CSA | NFC DIN | UL | CSA |
|---|---|---|---|---|---|---|---|
| **Wire size** | Screw clamp Rigid | 0-16 mm² | 16-8 AWG | | | | |
| | Screw clamp Flexible | 0-10 mm² | 16-8 AWG | | | | |
| **Rated currend** A | | 85 | | | | | |
| **Rated wire size** mm²/AWG | | 10 mm² | 8 AWG | | | | |

| Other characteristics | Wire strip. length | Recomm. screwdriver | Recomm. torque | Protection | Wire strip. length | Recomm. screwdriver | Recomm. torque | Protection |
|---|---|---|---|---|---|---|---|---|
| | 12 mm .47" | 6.5 mm .25" | | | | | | |

| Accessories | Type | Part numbers | Type | Part numbers |
|---|---|---|---|---|
| **1** Rail ⌙ 32 x 15 | PR1 Z2 | 1SNA **163 050** R**04**00 | | |
| **2** Label with symbol "ground" | IDTBM | 1SNA **167 357** R**04**00 | | |

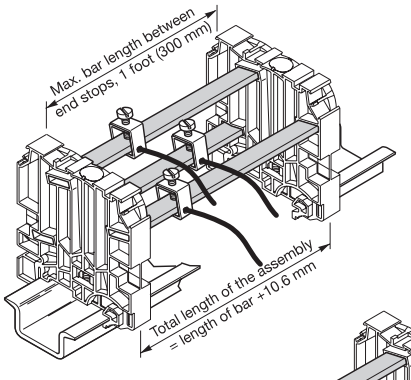
## Distribution of polarities

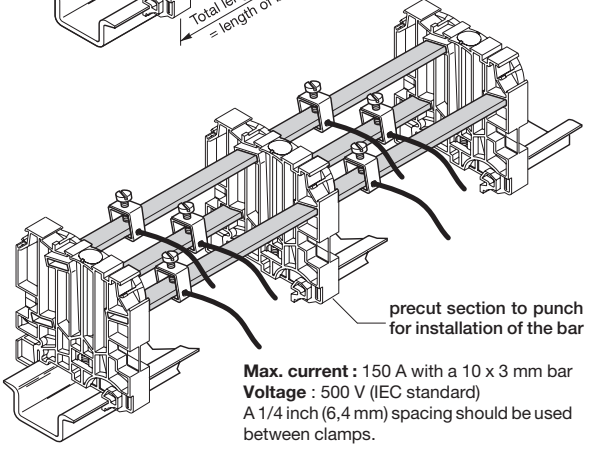
If the distribution bar is longer than 1 foot (300 mm) use an intermediate end stop for support. In this case the precut bar passages need to be punched out of the end stop.

Grey ⌙ **BADH** 1SNA **116 900** R**27**00

Grey ⌙ **BAEH** 1SNA **116 934** R**04**00

| Description | Types | Part numbers |
|---|---|---|
| Copper bar | **BO3** 1000 x 10 x 3 mm | 1SNA **164 406** R**24**00 |
| Wire clamp | **SFB1** 20-2 AWG (0.5-35 mm²) | 1SNA **163 860** R**05**00 |
| Wire clamp | **SFB2** 6-2 AWG (16-35 mm²) | 1SNA **168 956** R**06**00 |

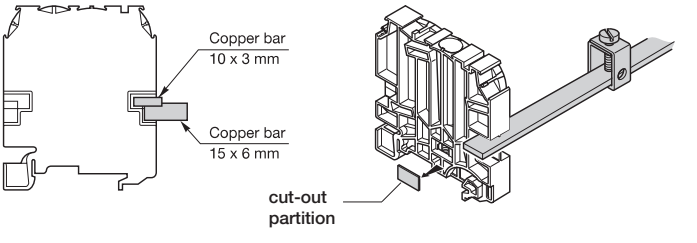


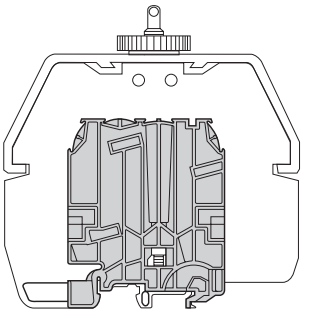

**Max. current :** 150 A with a 10 x 3 mm bar
**Voltage** : 500 V (IEC standard)
A 1/4 inch (6,4 mm) spacing should be used between clamps.

This end stop is also recommended :

1 - For use with neutral switch blocks series "NT"




2 - For use with separators SCFCV4 with protection cover

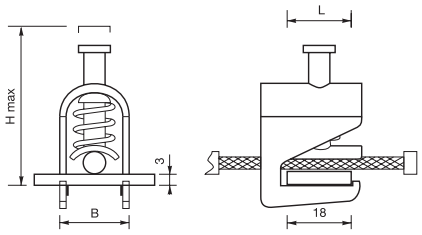


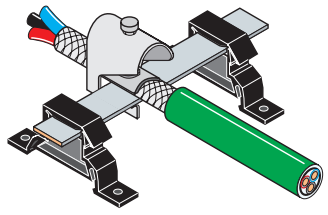
## Connection with 18 x 3 mm collector bar

DIN 3

## Shield terminals for collector bar

- Mounting on 18 x 3 mm collector bar
- Easy shield connection to a collector bar
- Brass with nickel coating clamp with a steel spring to make contact without damaging the shield
- Shield terminals available in 4 versions (shield diameter from 1,5 to 24 mm)
- Not designed for wire connection
- Mounting : place the shield of the stripped cable on the collector bar. Hold the terminal on the shield, press and snap the terminal onto the collector bar. As soon as the terminal is released, contact is made on the bar through the spring pressure.



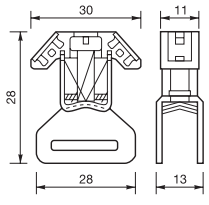
### Characteristics

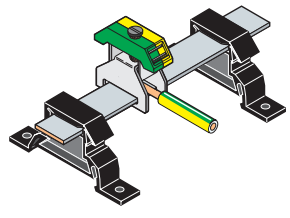
| Shield diameter | B (mm) | L (mm) | H max (mm) | Spring force (N) | Description | P/N |
|---|---|---|---|---|---|---|
| 1,5 - 6,5 | 10 | 25 | 40 | 8 - 13 | **SFB.B1** | 1SNA **205 170** R**14**00 |
| 5 - 11 | 17 | 25 | 47 | 22 - 31 | **SFB.B2** | 1SNA **205 171** R**01**00 |
| 10 - 17 | 23 | 25 | 63 | 32 - 58 | **SFB.B3** | 1SNA **205 172** R**02**00 |
| 16 - 24 | 30 | 25 | 78 | 37 - 53 | **SFB.B4** | 1SNA **205 173** R**03**00 |

## Terminals for collector bar

- 35 mm² terminal for 18 x 3 mm collector bar.
- Stainless steel clamp and screw
- Insulating part in polyamid 6,6 without halogen
- Possibility to print 3 characters per marker

If a separate ground is required, isolated mounting on rail should be made through a bar holder P/N 1SNA **205 176** R**06**00

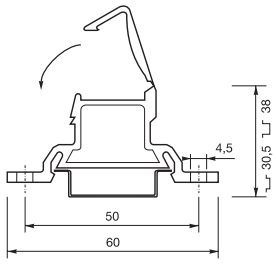


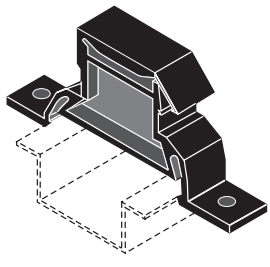



**SFB.P** 1SNA **205 174** R**04**00

## Bar holder (isolated from ground)

- To be screwed on plate or snapped onto DIN 3 rail
- Thermoplastic material, black colour
- Spacing : 12 mm *.473"*

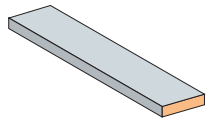


**DSPBO.PI** 1SNA **205 176** R**06**00

## Collector bar

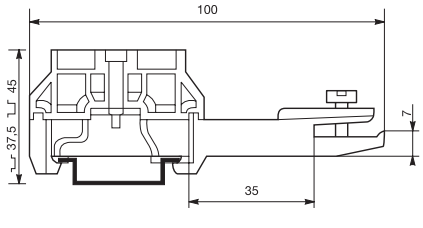
- Electroplated copper with tin coating 18 x 3 x 1000 mm

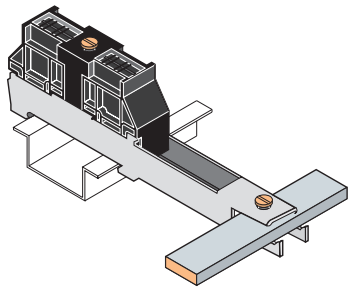



**BO 318** 1SNA **205 175** R**05**00

## Bar holder (connected to the mounting rail)

- To be snapped onto DIN 3 rail.
- Thermoplastic material, black colour.
- Tined coated steel socket
- Spacing : 10 mm *.394"*



**DSPBO.P** 1SNA **205 177** R**07**00

# Bars with base for ground wire

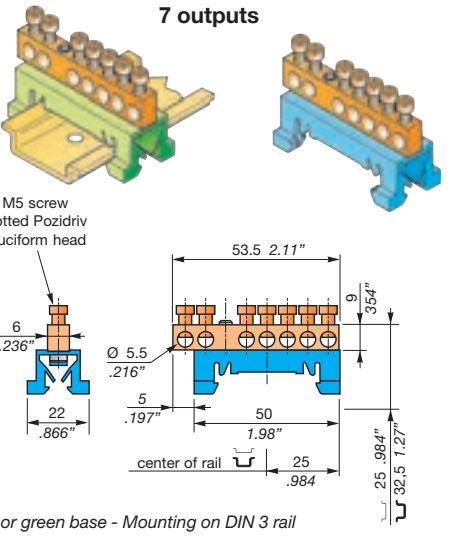
DIN 3

| | | | |
|---|---|---|---|
| PR3.Z2 | DIN | 35 x 7,5 x 1 | 1SNA 174 300 R1700 |
| PR4 | DIN | 35 x 15 x 2,3 | 1SNA 168 500 R1200 |
| PR5 | DIN | 35 x 15 x 1,5 | 1SNA 168 700 R2200 |

Other rails : see section on accessories.

## DBTI

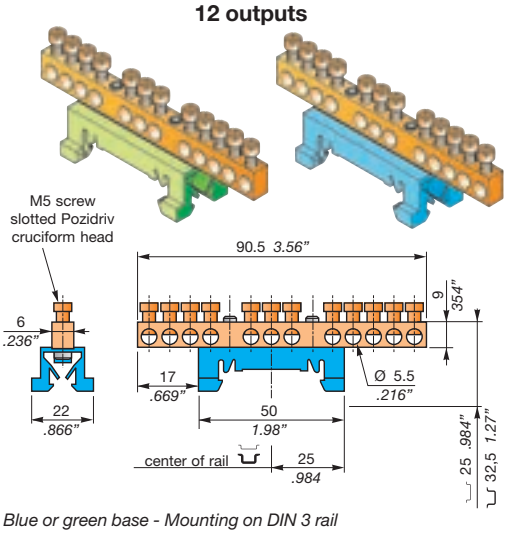
### 7 outputs




*Blue or green base - Mounting on DIN 3 rail*

| Type | P/N |
|---|---|
| *7 outputs blue base* | |
| **DBTI** | 1SNA **356 100** R**15**00 |
| *7 outputs green base* | |
| **DBTI** | 1SNA **356 101** R**02**00 |

### 12 outputs




*Blue or green base - Mounting on DIN 3 rail*

| Type | P/N |
|---|---|
| *12 outputs blue base* | |
| **DBTI** | 1SNA **356 102** R**03**00 |
| *12 outputs green base* | |
| **DBTI** | 1SNA **356 103** R**04**00 |

| Characteristics | IEC | UL | CSA | IEC | UL | CSA |
|---|---|---|---|---|---|---|
| Connection | | | | | | |
| - Screw clamp | 7 outputs | | | 12 outputs | | |
| - Max. wire size | 10 mm² | | | 10 mm² | | |
| Torque on screw | 1.5 Nm | *13.3 lb.in* | *13.3 lb.in* | 1.5 Nm | *13.3 lb.in* | *13.3 lb.in* |
| Screw | M5 | M5 | M5 | M5 | M5 | M5 |

## DBTI

### 15 outputs

| Type | P/N |
|---|---|
| *15 outputs green base* | |
| **DBTI** | **XUS002884** |

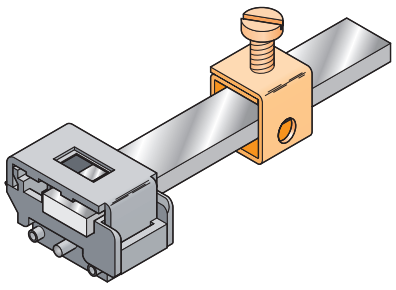
### 24 outputs

| Type | P/N |
|---|---|
| *24 outputs green base* | |
| **DBTI** | **XUS002884** |

| Characteristics | IEC | UL | CSA | IEC | UL | CSA |
|---|---|---|---|---|---|---|
| Connection | | | | | | |
| - Screw clamp | 7 outputs | | | 12 outputs | | |
| - Max. wire size | 10 mm² | | | 10 mm² | | |
| Torque on screw | 1.5 Nm | *13.3 lb.in* | *13.3 lb.in* | 1.5 Nm | *13.3 lb.in* | *13.3 lb.in* |
| Screw | M5 | M5 | M5 | M5 | M5 | M5 |

# Busbar clamp
## 10 x 3 or 6 x 6 or 15 x 6 mm
## *.34 x .12* or *.23 x .23* or *.59 x .23*"

**DIN 1 - 2 - 3 or panel mount**



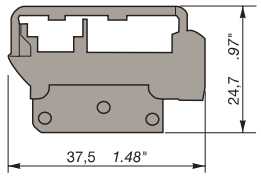
| | | | | |
|---|---|---|---|---|
| Rail | 35 x 7,5 x 1 | **PR3.Z2** | 1SNA **174 300** R1700 |
| Rail | 35 x 15 x 2,3 | **PR4** | 1SNA **168 500** R1200 |
| Rail | 35 x 15 x 1,5 | **PR5** | 1SNA **168 700** R2200 |
| Rail | 32 x 15 x 1,5 | **PR1.Z2** | 1SNA **163 050** R0400 |

Other end stops, rails and accessories : see section on accessories.

## Notes

## SPBO

**Spacing 20 mm (.787")**



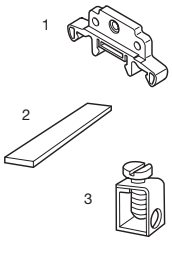

| Colour | Type | Part number |
|---|---|---|
| Reversible grey clamp | **SPBO** | 1SNA **114 712** R1300 |

## Characteristics

| Wire size | | NFC DIN | UL | CSA |
|---|---|---|---|---|
| Screw clamp | Rigid | | | |
| | Flexible | | | |
| | Neutral bar | see beside | | |
| **Voltage** | | | | |
| Rated | ~ AC | 750 V Gr.C | | |
| Rated | = DC | 660 V Gr.C | | |
| Pollution degree | | | | |
| **Current** | | | | |
| Rated | | | | |
| **Wire size** | | | | |
| Rated / Gauge | | | | |

| Wire strip. length | Recomm. screwdriver | Recomm. torque | Protection |
|---|---|---|---|
| | | | |

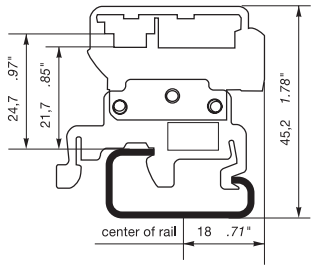
## Accessories




| | | Type | Part numbers |
|---|---|---|---|
| **1** | Locking foot | ACD13-6 for rail DIN 1 or DIN 3 | 1SNA **113 135** R0000 |
| | | ACD23-6 for rail DIN 2 or DIN 3 | 1SNA **118 005** R2700 |
| **2** | Busbar | BO3 10x3 mm | 1SNA **164 406** R2400 |
| | | BO6 15x6 mm | 1SNA **168 417** R2200 |
| **3** | Wire clamp | SFB1 for BO3 - *20-2 AWG* (0,5-35mm²) | 1SNA **163 860** R0500 |
| | | SFB2 for BO3 - *6-2 AWG* (16-35mm²) | 1SNA **168 956** R0600 |
| | | SFB3 for BO6 - *4-00 AWG* (19-95mm²) | 1SNA **168 690** R1000 |
| **R** | See section on markers marking method | RC610 | |

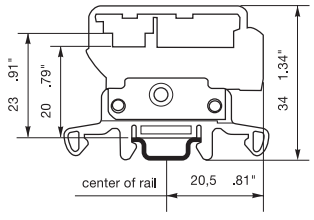
## Mounting on rail PR1 with mounting foot

**ACD13-6** 1SNA **113 135** R0000 (DIN 1 - DIN 3)



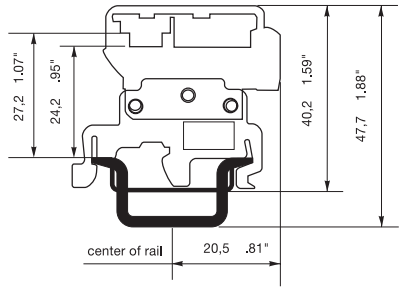

## Mounting on rail PR2 with mounting foot

**ACD23-6** 1SNA **118 005** R2700 (DIN 2 - DIN 3)

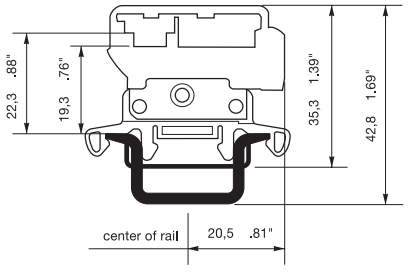



## Mounting on rails PR3, PR30, PR4, PR5

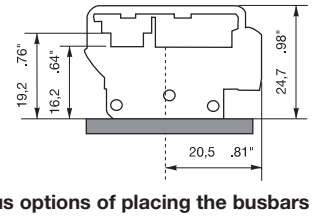
with mount.foot **ACD13-6** 1SNA **113 135** R0000 (DIN 1 - DIN 3)




with mount.foot **ACD23-6** 1SNA **118 005** R2700 (DIN 2 - DIN 3)

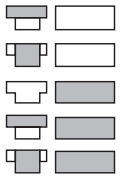



## Mounting on panel by M4 screw




### Various options of placing the busbars on the busbar clamp

| Busbars | BO3 10 x 3 | 6 x 6 | BO6 15 x 6 |
|---|---|---|---|
| Option n° 1 | X | | |
| Option n° 2 | | X | |
| Option n° 3 | | | X |
| Option n° 4 | X | | X |
| Option n° 5 | | X | X |



# Distribution terminal blocks

· phase
· ground

DIN 1-3

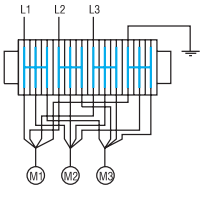
| | | | | | |
|---|---|---|---|---|---|
| End stop | | th. 9 mm | **BADL** | V0 | 1SNA **399 903** R02200 |
| End stop | | th. 10 mm | **BAM2** | V2 | 1SNA **206 351** R16000 |
| End stop | | th. 10 mm | **BAM2 V0** | V0 | 1SNA **296 351** R00000 |
| Rail | | 35 x 7,5 x 1 | **PR3.Z2** | | 1SNA **174 300** R17000 |
| Rail | | 35 x 15 x 2,3 | **PR4** | | 1SNA **168 500** R12000 |
| Rail | | 35 x 15 x 1,5 | **PR5** | | 1SNA **168 700** R22000 |
| Rail | | 32 x 15 x 1,5 | **PR1.Z2** | | 1SNA **163 050** R04000 |

Other end stops, rails and accessories : see section on accessories.

## Notes

*The use of some accessories may decrease the block's voltage rating. For more information, consult us.*

*Example of application :*

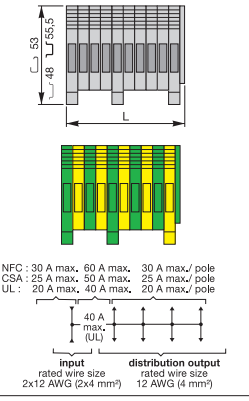



The monobloc connector bar ensures perfect continuity between input and distribution. Each block has 2 Screw clamp terminals.

G
2

## MB 4/6.L...
## MB 4/6.P...

**Spacing 6 mm *(.238")***




| Colour | | Nb of blocks | L mm | Type | Part numbers |
|---|---|---|---|---|---|
| Phases | | | | | |
| Grey | | 2 | 14,5 | **MB 4/6.L2** | 1SNA **115 406** R13000 |
| Grey | | 3 | 20,5 | **MB 4/6.L3** | 1SNA **115 407** R14000 |
| Grey | | 4 | 26,5 | **MB 4/6.L4** | 1SNA **115 408** R25000 |
| Grey | | 5 | 32,5 | **MB 4/6.L5** | 1SNA **115 409** R26000 |
| Grey | | 6 | 38,5 | **MB 4/6.L6** | 1SNA **115 410** R12000 |
| Grey | | 8 | 50,5 | **MB 4/6.L8** | 1SNA **115 411** R07000 |
| Grey | | 10 | 62,5 | **MB 4/6.L10** | 1SNA **115 412** R00000 |
| Ground (no electrical connection ro rail) | | | | | |
| Green-Yellow | | 2 | 14,5 | **MB 4/6.P2** | 1SNA **165 420** R26000 |
| Green-Yellow | | 3 | 20,5 | **MB 4/6.P3** | 1SNA **165 421** R13000 |
| Green-Yellow | | 4 | 26,5 | **MB 4/6.P4** | 1SNA **165 422** R14000 |
| Green-Yellow | | 5 | 32,5 | **MB 4/6.P5** | 1SNA **165 423** R15000 |
| Green-Yellow | | 6 | 38,5 | **MB 4/6.P6** | 1SNA **165 424** R16000 |
| Green-Yellow | | 8 | 50,5 | **MB 4/6.P8** | 1SNA **165 425** R17000 |
| Green-Yellow | | 10 | 62,5 | **MB 4/6.P10** | 1SNA **165 426** R10000 |

### Characteristics

| Wire size | | IEC NFC DIN | UL | CSA |
|---|---|---|---|---|
| Screw clamp | Rigid | 0,2-4 mm² | 22-10 AWG | 22-12 AWG |
| | Flexible | 0,22-4 mm² | 22-10 AWG | 22-12 AWG |

| Voltage | | | |
|---|---|---|---|
| Rated | 800 V | 600 V | 600 V |
| Impulse withstand | 8 kV | | |
| Pollution degree | 3 | | |

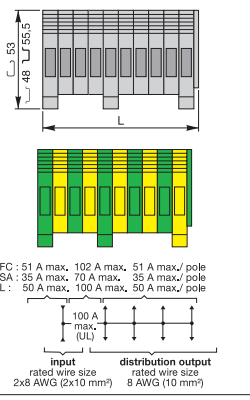
| Current | | | | | |
|---|---|---|---|---|---|
| Rated | Short-circuit | 32A | 300A/1s | 20 A | 25 A |

| Wire size | | | |
|---|---|---|---|
| Rated / Gauge | 4 mm²/A4 | 10 AWG | 10 AWG |

| Wire strip. length | Recomm. screwdriver | Recomm. torque | Protection |
|---|---|---|---|
| 9,5 mm | 4 mm | 0,5-0,8 Nm | IP20 |
| *.37"* | *.16"* | *4.5-7.1 lb.in* | *NEMA 1* |

## MB 6/8.L...
## MB 6/8.P...

**Spacing 8 mm *(.315")***




| Colour | | Nb of blocks | L mm | Type | Part numbers |
|---|---|---|---|---|---|
| Phases | | | | | |
| Grey | | 2 | 18,5 | **MB 6/8.L2** | 1SNA **115 413** R01000 |
| Grey | | 3 | 26,5 | **MB 6/8.L3** | 1SNA **115 414** R02000 |
| Grey | | 4 | 34,5 | **MB 6/8.L4** | 1SNA **115 415** R03000 |
| Grey | | 5 | 42,5 | **MB 6/8.L5** | 1SNA **115 416** R04000 |
| Grey | | 6 | 50,5 | **MB 6/8.L6** | 1SNA **115 417** R05000 |
| Grey | | 8 | 66,5 | **MB 6/8.L8** | 1SNA **115 418** R16000 |
| Grey | | 10 | 82,5 | **MB 6/8.L10** | 1SNA **115 419** R17000 |
| Ground (no electrical connection ro rail) | | | | | |
| Green-Yellow | | 2 | 18,5 | **MB 6/8.P2** | 1SNA **165 427** R11000 |
| Green-Yellow | | 3 | 26,5 | **MB 6/8.P3** | 1SNA **165 428** R22000 |
| Green-Yellow | | 4 | 34,5 | **MB 6/8.P4** | 1SNA **165 429** R23000 |
| Green-Yellow | | 5 | 42,5 | **MB 6/8.P5** | 1SNA **165 430** R20000 |
| Green-Yellow | | 6 | 50,5 | **MB 6/8.P6** | 1SNA **165 431** R15000 |
| Green-Yellow | | 8 | 66,5 | **MB 6/8.P8** | 1SNA **165 432** R16000 |
| Green-Yellow | | 10 | 82,5 | **MB 6/8.P10** | 1SNA **165 433** R17000 |

### Characteristics

| Wire size | | IEC NFC DIN | UL | CSA |
|---|---|---|---|---|
| Screw clamp | Rigid | 0,5-10 mm² | 22-8 AWG | 20-8 AWG |
| | Flexible | 0,5-6 mm² | 22-8 AWG | 20-8 AWG |

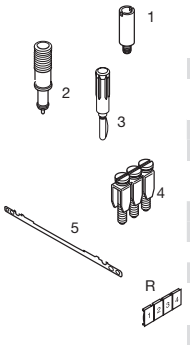
| Voltage | | | |
|---|---|---|---|
| Rated | 800 V | 600 V | 600 V |
| Impulse withstand | 8 kV | | |
| Pollution degree | 3 | | |

| Current | | | | | |
|---|---|---|---|---|---|
| Rated | Short-circuit | 41A | 720A/1s | 50 A | 35 A |

| Wire size | | | |
|---|---|---|---|
| Rated / Gauge | 6 mm² | 8 AWG | 8 AWG |

| Wire strip. length | Recomm. screwdriver | Recomm. torque | Protection |
|---|---|---|---|
| 12 mm | 4-5 mm | 0,8-1 Nm | IP20 |
| *.47"* | *.16"-.20"* | *7.1-8.9 lb.in* | *NEMA 1* |

## Accessories



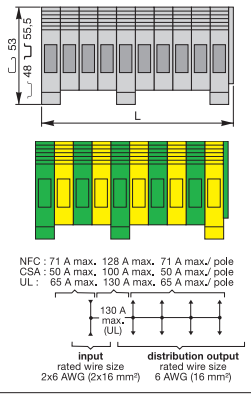

| | | Type | | Part numbers |
|---|---|---|---|---|
| **1** | Test socket | AL2 | DIA. 2 mm | 1SNA **163 043** R21000 |
| | | AL3 | DIA. 3 mm | 1SNA **163 261** R00000 |
| **2** | Test device | DCJ | yellow | 1SNA **173 059** R03000 |
| **3** | Test plug | FC2 | DIA. 2 mm | 1SNA **007 865** R26000 |
| **4** | Assembled jumper bar (without IP 20 protection) | BJM6 | 2 to 10 poles | (1) |
| **4** | Assembled jumper bar (with IP 20 protection) | BJMI6 | 2 to 10 poles | (1) |
| **5** | Shield connector | CBM5 | th. 0,5 mm | 1SNA **178 745** R14000 |
| | | CBM8 | th. 0,8 mm | 1SNA **178 746** R15000 |
| **R** | See section on markers marking method | RC65 - RC610 | | |

| Type | | Part numbers |
|---|---|---|
| AL2 | DIA. 2 mm | 1SNA **163 043** R21000 |
| AL3 | DIA. 3 mm | 1SNA **163 261** R00000 |
| AL4 | DIA. 4 mm | 1SNA **163 262** R01000 |
| DCO | orange | 1SNA **173 060** R00000 |
| FC2 | DIA. 2 mm | 1SNA **007 865** R26000 |
| FC4 | DIA. 4 mm | 1SNA **167 860** R01000 |
| BJM8 | 2 to 10 poles | (1) |
| BJMI8 | 2 to 10 poles | (1) |
| RC810 | | |

Note : (1) See section : accessories

## MB 10/10.L...
## MB 10/10.P...

**Spacing 10 mm *(.394")***




| Colour | Phases | Nb of blocks | L mm | Type | Part numbers |
|---|---|---|---|---|---|
| Grey | | 2 | 22,5 | **MB 10/10.L2** | |
| Grey | | 3 | 32,5 | **MB 10/10.L3** | |
| Grey | | 4 | 42,5 | **MB 10/10.L4** | |
| Grey | | 5 | 52,5 | **MB 10/10.L5** | |
| Grey | | 6 | 62,5 | **MB 10/10.L6** | |
| Grey | | 8 | 82,5 | **MB 10/10.L8** | |
| Grey | | 10 | 102,5 | **MB 10/10.L10** | |
| Ground (no electrical connection to rail) | | | | | |
| Green-Yellow | | 2 | 22,5 | **MB 10/10.P2** | |
| Green-Yellow | | 3 | 32,5 | **MB 10/10.P3** | |
| Green-Yellow | | 4 | 42,5 | **MB 10/10.P4** | |
| Green-Yellow | | 5 | 52,5 | **MB 10/10.P5** | |
| Green-Yellow | | 6 | 62,5 | **MB 10/10.P6** | |
| Green-Yellow | | 8 | 82,5 | **MB 10/10.P8** | |
| Green-Yellow | | 10 | 102,5 | **MB 10/10.P10** | |

### Characteristics

| Wire size | | IEC NFC DIN | UL | CSA |
|---|---|---|---|---|
| Compression clamp | Rigid | 0,5-16 mm² | 22-6 AWG | 18-6 AWG |
| | Flexible | 0,5-10 mm² | 22-6 AWG | 18-6 AWG |

| Voltage | | | |
|---|---|---|---|
| Rated | 800 V | 600 V | 600 V |
| Impulse withstand | 8 kV | | |
| Pollution degree | 3 | | |

| Current | | | | | |
|---|---|---|---|---|---|
| Rated | Short-circuit | 63A | 1200A/1s | 65 A | 50 A |

| Wire size | | | |
|---|---|---|---|
| Rated / Gauge | 10 mm² | 6 AWG | 6 AWG |

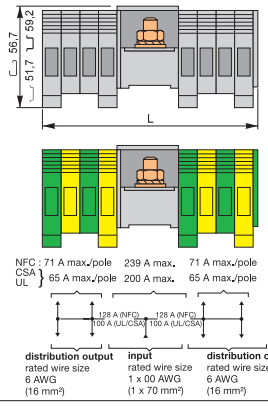
| Wire strip. length | Recomm. screwdriver | Recomm. torque | Protection |
|---|---|---|---|
| 12 mm | 5,5-6 mm | 1,2-1,4 Nm | IP20 |
| *.47"* | *.22-.24"* | *10.6-12.3 lb.in* | *NEMA 1* |

| Type | | Part numbers |
|---|---|---|
| AL2 | DIA. 2 mm | |
| AL3 | DIA. 3 mm | |
| AL4 | DIA. 4 mm | |
| FC2 | DIA. 2 mm | |
| FC4 | DIA. 4 mm | |
| BJM10 | 2 to 10 poles | (1) |
| BJMI10 | 2 to 10 poles | (1) |

RC65 - RC610 RC810 RC1010

## MB 70/10.L...
## MB 70/10.P...

**Spacing 10 mm *(.394")* with single connection point**




| Colour | Phases | Nb of blocks | L mm | Type | Part numbers |
|---|---|---|---|---|---|
| Grey | | 2x1 | 54 | **MB 70/10.L2** | |
| Grey | | 2x2 | 74 | **MB 70/10.L4** | |
| Grey | | 2x3 | 94 | **MB 70/10.L6** | |
| Grey | | 2x4 | 114 | **MB 70/10.L8** | |
| Ground (no electrical connection to rail) | | | | | |
| Green-Yellow | | 2x1 | 54 | **MB 70/10.P2** | |
| Green-Yellow | | 2x2 | 74 | **MB 70/10.P4** | |
| Green-Yellow | | 2x3 | 94 | **MB 70/10.P6** | |
| Green-Yellow | | 2x4 | 114 | **MB 70/10.P8** | |

### Characteristics

| Wire size | | IEC NFC DIN | UL | CSA |
|---|---|---|---|---|
| Compression clamp | Rigid | 0,5-16 mm² | 22-6 AWG | 14-6 AWG |
| | Flexible | 0,5-10 mm² | 22-6 AWG | 14-6 AWG |
| Lugs | Max. | 95 mm² | 00 AWG | 00 AWG max. |
| | Rated | 70 mm² | 00 AWG | 00 AWG max. |

| Voltage | | | |
|---|---|---|---|
| Rated | 800 V | 600 V | 600 V |
| Impulse withstand | 8 kV | | |
| Pollution degree | 3 | | |

| Current | | | | | |
|---|---|---|---|---|---|
| Rated | Short-circuit | 63A | 1200A/1s | 200 A | 200 A |

| Wire size | | | |
|---|---|---|---|
| Rated / Gauge | 10 mm² | 6 AWG | 6 AWG |

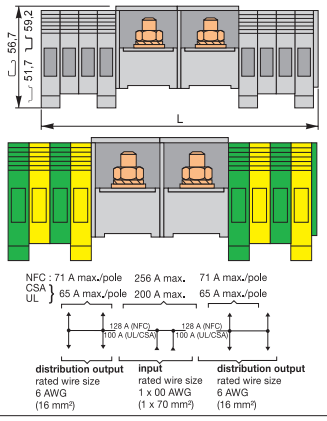
| Wire strip. length | Recomm. screwdriver | Recomm. torque (screws) | Recomm. torque (lugs) |
|---|---|---|---|
| 12 mm | 5,5-6 mm | 1,2-1,4 Nm | 6 Nm |
| *.47"* | *.22-.24"* | *10.6-12.3 lb.in* | *52 lb.in* |

| Type | | Part numbers |
|---|---|---|
| AL2 | DIA. 2 mm | |
| AL3 | DIA. 3 mm | |
| AL4 | DIA. 4 mm | |
| FC2 | DIA. 2 mm | |
| FC4 | DIA. 4 mm | |
| BJM10 | 2 to 4 poles | (1) |
| BJMI10 | 2 to 4 poles | (1) |

RC65 - RC610 RC810 RC1010

## MB 2x70/10.L...
## MB 2x70/10.P...

**Spacing 10 mm *(.394")* with double connection point**




| Colour | Phases | Nb of blocks | L mm | Type | Part numbers |
|---|---|---|---|---|---|
| Grey | | 2x4 | 143 | **MB 2x70/10.L8** | |
| Ground (no electrical connection to rail) | | | | | |
| Green-Yellow | | 2x4 | 143 | **MB 2x70/10.P8** | |

### Characteristics

| Wire size | | IEC NFC DIN | UL | CSA |
|---|---|---|---|---|
| Compression clamp | Rigid | 0,5-16 mm² | 22-6 AWG | 14-6 AWG |
| | Flexible | 0,5-10 mm² | 22-6 AWG | 14-6 AWG |
| Lugs | Max. | 2x95 mm² | 00 AWG | 00 AWG max. |
| | Rated | 2x70 mm² | 00 AWG | 00 AWG max. |

| Voltage | | | |
|---|---|---|---|
| Rated | 800 V | 600 V | 600 V |
| Impulse withstand | 8 kV | | |
| Pollution degree | 3 | | |

| Current | | | | | |
|---|---|---|---|---|---|
| Rated | Short-circuit | 63A | 1200A/1s | 200 A | 200 A |

| Wire size | | | |
|---|---|---|---|
| Rated / Gauge | 10 mm² | 6 AWG | 6 AWG |

| Wire strip. length | Recomm. screwdriver | Recomm. torque (screws) | Recomm. torque (lugs) |
|---|---|---|---|
| 12 mm | 5,5-6 mm | 1,2-1,4 Nm | 6 Nm |
| *.47"* | *.22-.24"* | *10.6-12.3 lb.in* | *52 lb.in* |

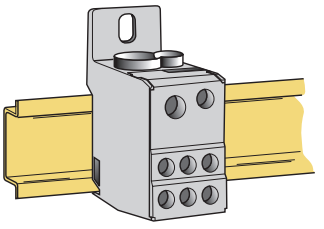
| Type | | Part numbers |
|---|---|---|
| AL2 | DIA. 2 mm | |
| AL3 | DIA. 3 mm | |
| AL4 | DIA. 4 mm | |
| FC2 | DIA. 2 mm | |
| FC4 | DIA. 4 mm | |
| BJM10 | 2 to 4 poles | (1) |
| BJMI10 | 2 to 4 poles | (1) |

RC65 - RC610 RC810 RC1010

Note : (1) See section : accessories

# Single pole distribution blocks

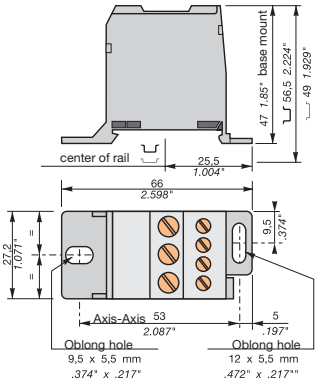
DIN 3



| | | | | |
|---|---|---|---|---|
| **BADL** | th. 9 mm | V0 | 1SNA **399 903** R02**00** | |
| **BAM2** | th. 10 mm | V2 | 1SNA **206 351** R16**00** | |
| **BAM2 V0** | th. 10 mm | V0 | 1SNA **296 351** R00**00** | |
| **BADH** | th. 12 mm | V2 | 1SNA **116 900** R27**00** | |
| **BAMH** | th. 9,1 mm | V2 | 1SNA **114 836** R00**00** | |
| **BAMH V0** | th. 9,1 mm | V0 | 1SNA **194 836** R01**00** | |
| **PR3.Z2** | 35 x 7,5 x 1 | | 1SNA **174 300** R17**00** | |
| **PR4** | 35 x 15 x 2,3 | | 1SNA **168 500** R12**00** | |
| **PR5** | 35 x 15 x 1,5 | | 1SNA **168 700** R22**00** | |

Other end stops, rails and accessories : see section on accessories.

## BRU 80 A




*Three holes on unit top allow wire entry from top or bottom.*
*Rail (DIN 3) or base mount with 2 x M5 screws. Unit may be mounted horizontally or vertically.*
*Finger contact protection IP 20.*

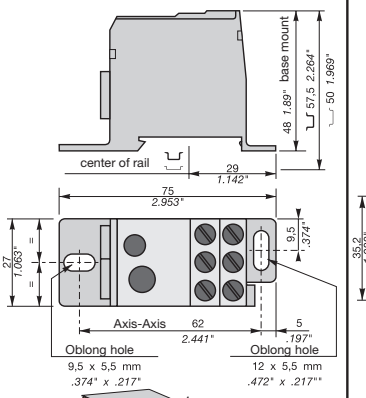
CE

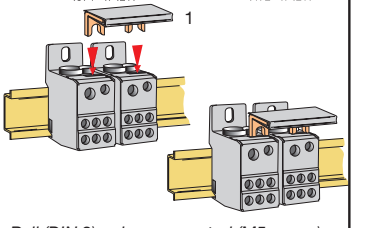
| Type | P/N |
|---|---|
| Grey body | |
| **BRU 80 A** | 1SNA **356 208** R25**00** |

| Characteristics | IEC | UL/CSA pending |
|---|---|---|
| Rated voltage | 690 V | 600 V |
| Rated current | 80 A | 80 A |
| **Inputs** (maximum wire size) | 16 mm² | 4 AWG |
| left input wire size | | |
| right input wire size | | |
| Recommended torque | 1.5 Nm | 13 lb. in |
| Recommended torque wrench | | |
| **Outputs** | | |
| with ferrules | | |
| without ferrules | | |
| Recommended torque | | |
| wire size with/without ferrule | 2 x 16 mm² | 2 x 4 AWG |
| Recommended torque | 1,5 Nm | 1,5 Nm |
| wire size with or without ferrule | 4 x 2.5 to 6 mm² | 4 x 14 to 10 AWG |
| Recommended torque | 0.8 Nm | 7 lb. in |
| Screwdriver | Posidriv Z2 or flat | |
| **Weight** | 73 gr | |
| | *0.16 lb* | |

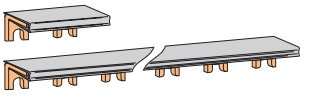
| Accessories | Type | P/N |
|---|---|---|
| **1** Jumper bar | Coupling with wire | |
| **2** Busbar 16 x 5 mm 160 A | | |

## BRU 125 A




*Rail (DIN 3) or base mounted (M5 screw)*
*Colour : grey*



*Jumper bar : 2 spades 20 mm² or 8 spades 20 mm² (to be cut)*

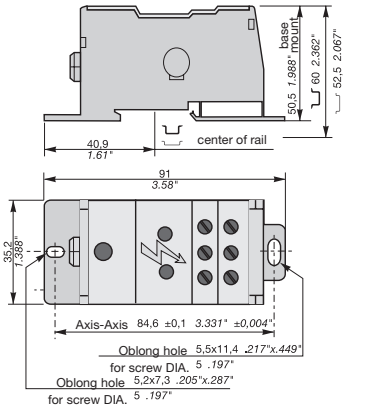
CE

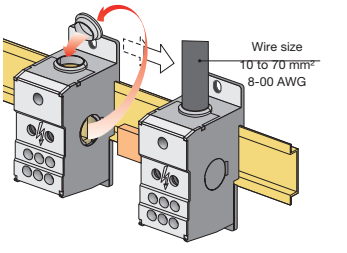
| Type | P/N |
|---|---|
| Grey body | |
| **BRU 125 A** | 1SNA **356 204** R11**00** |

| Characteristics | IEC | UL/CSA |
|---|---|---|
| Rated voltage | 690 V | 600 V |
| Rated current | 125 A | 125 A |
| **Inputs** | | |
| left input wire size | 10 -35 mm² | 8 -2 AWG |
| right input wire size | 6 -16 mm² | 10 -6 AWG |
| Recommended torque | 3,5 Nm | 31 lb.in |
| Recommended torque wrench | Allen key/4 mm | Allen key/4 mm |
| **Outputs** | | |
| with ferrules | 4 x 2,5 to 16 mm² | 14 AWG to 6 AWG |
| without ferrules | 6 x 2,5 to 16 mm² | 14 AWG to 6 AWG |
| Recommended torque | 2 Nm | 17.6 lb.in |
| **Weight** | 137 gr | |
| | *0.3 lb* | |

| Accessories | Type | P/N |
|---|---|---|
| PCF.1.2 | 2 spades | 1SNA **356 205** R12**00** |
| PCF.1.8 | 8 spades | 1SNA **356 206** R13**00** |

## BRU 160 A




*Rail (DIN 3) or base mounted (M5 screw)*
*Colour : grey*

CE

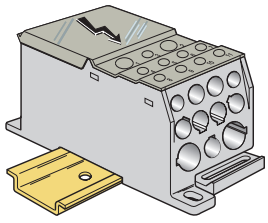
| Type | P/N |
|---|---|
| Grey body | |
| **BRU 160 A** | 1SNA **356 200** R21**00** |

| Characteristics | IEC | UL/CSA |
|---|---|---|
| Rated voltage | 690 V | 600 V |
| Rated current | 160 A | 160 A |
| **Inputs** | 10 - 70 mm² | 8 - 00 AWG |
| Recommended torque | 4 Nm | 35 lb.in |
| Recommended torque wrench | 6 flats/5 mm | 6 flats/5 mm |
| **Outputs** | | |
| with ferrules | 6 x 2,5 to 16 mm² | 14 AWG to 6 AWG |
| Recommended torque | 2 Nm | 17.6 lb.in |
| **Weight** | 234 gr | |
| | *0.516 lb* | |

| Accessories | Type | P/N |
|---|---|---|
| BO 16/5 | 2 poles | 1SNA **356 201** R16**00** |
| BO 16/5 | 3 poles | 1SNA **356 202** R17**00** |
| BO 16/5 | 4 poles | 1SNA **356 203** R10**00** |

# Single pole distribution blocks

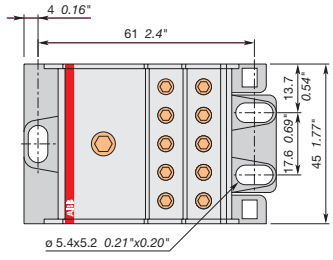
DIN 3

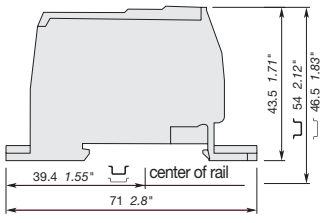


| | | | | |
|---|---|---|---|---|
| **BADL** | th. 9 mm | V0 | 1SNA **399 903** R02**00** |
| **BAM2** | th. 10 mm | V2 | 1SNA **206 351** R16**00** |
| **BAM2 V0** | th. 10 mm | V0 | 1SNA **296 351** R00**00** |
| **BADH** | th. 12 mm | V2 | 1SNA **116 900** R27**00** |
| **BAMH** | th. 9,1 mm | V2 | 1SNA **114 836** R00**00** |
| **BAMH V0** | th. 9,1 mm | V0 | 1SNA **194 836** R01**00** |
| **PR3.Z2** | 35 x 7,5 x 1 | | 1SNA **174 300** R17**00** |
| **PR4** | 35 x 15 x 2,3 | | 1SNA **168 500** R12**00** |
| **PR5** | 35 x 15 x 1,5 | | 1SNA **168 700** R22**00** |

Other end stops, rails and accessories : see section on accessories.

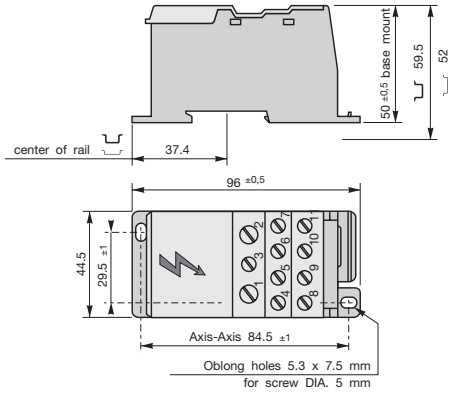
## BRU 115
## BRU 175

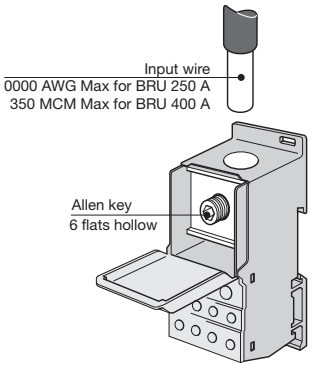



## BRU 250 A

## BRU 400 A




| Type | | P/N |
|---|---|---|
| Grey body | **BRU 115** | **XUS002885** |
| Grey body | **BRU 175** | **XUS002886** |

| Type | | P/N |
|---|---|---|
| Grey body | **BRU 250 A** | 1SNA **179 657** R15**00** |
| Black body | **BRU 250 ALU** | 1SNA **356 207** R14**00** |

| Type | P/N |
|---|---|
| Grey body **BRU 400 A** | 1SNA **179 650** R22**00** |

## Characteristics

| | IEC - 115 A | IEC - 175 A | IEC | UL/CSA | IEC | UL/CSA |
|---|---|---|---|---|---|---|
| Rated voltage | 600 V | 600 V | 690 V | 600 V | 690 V | 600 V |
| Rated current | 115 A | 175 A | 250 A | 230 A | 400 A | 310 A |
| **Input** (min. - max. wire size) | 8 AWG - 2 AWG | 6 AWG - 2/0 AWG | 35 - 120 mm² | 2 - 0000 AWG | 95 - 185 mm² | 000 AWG - 350 MCM |
| Recommended torque | 6 Nm | 6 Nm | 19 Nm | 170 lb.in | 25 Nm | 230 lb.in |
| Allen key | 6 flats/4 mm | 6 flats/5 mm | 6 flats/6 mm | 6 flats/6 mm | 6 flats/8 mm | 6 flats/8 mm |
| **Outputs** | | | | | | |
| wire size with ferrule | 14 to 4 AWG | 14 to 4 AWG | 2 x 2,5 to 25 mm² | 2x14AWG to 4AWG | 2 x 2,5 to 25 mm² | 2x14AWG to 4AWG |
| wire size without ferrule | 14 to 4 AWG | 14 to 4 AWG | 2 x 2,5 to 35 mm² | 2x14AWG to 2AWG | 2 x 2,5 to 35 mm² | 2x14AWG to 2AWG |
| Recommended torque | 3 Nm | 3 Nm | 3,5 Nm | 31 lb.in | 3,5 Nm | 31 lb.in |
| wire size with/without ferrule | 3 Nm | 3 Nm | 5 x 2,5 to 16 mm² | 5x14AWG to 6AWG | 5 x 2,5 to 16 mm² | 5x14AWG to 6AWG |
| Recommended torque | 3 Nm | 3 Nm | 2 Nm | 18 lb.in | 2 Nm | 18 lb.in |
| wire size with or without ferrule | 3 Nm | 3 Nm | 4 x 2,5 to 10 mm² | 4x14AWG to 8AWG | 4 x 2,5 to 10 mm² | 4x14AWG to 8AWG |
| Recommended torque | | | 2 Nm | 18 lb.in | 2 Nm | 18 lb.in |

| Weight | | Weight | | Weight |
|---|---|---|---|---|
| | | **BRU 250 A** | **BRU 250 ALU** | |
| | | 450 gr | 220 gr | 450 gr |
| | | *0.992 lb* | *0.485 lb* | *0.992 lb* |
| 230 gr | | | | |
| *0.507 lb* | | | | |

## Accessories

| Type | P/N | Type | P/N | Type | P/N |
|---|---|---|---|---|---|

# Three and four pole distribution blocks

DIN 3

Three pole

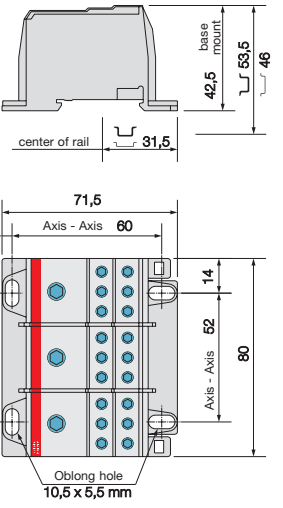
Four pole

| | | | | |
|---|---|---|---|---|
| **BADL** | | th. 9 mm | V0 | 1SNA **399 903** R02**00** |
| **BAM2** | | th. 10 mm | V2 | 1SNA **206 351** R16**00** |
| **BAM2 V0** | | th. 10 mm | V0 | 1SNA **296 351** R00**00** |
| **BADH** | | th. 12 mm | V2 | 1SNA **116 900** R27**00** |
| **BAMH** | | th. 9,1 mm | V2 | 1SNA **114 836** R00**00** |
| **BAMH V0** | | th. 9,1 mm | V0 | 1SNA **194 836** R01**00** |
| **PR3.Z2** | | 35 x 7,5 x 1 | | 1SNA **174 300** R17**00** |
| **PR4** | | 35 x 15 x 2,3 | | 1SNA **168 500** R12**00** |
| **PR5** | | 35 x 15 x 1,5 | | 1SNA **168 700** R22**00** |

Other end stops, rails and accessories : see section on accessories.

## BRT 115 A

**Three pole**



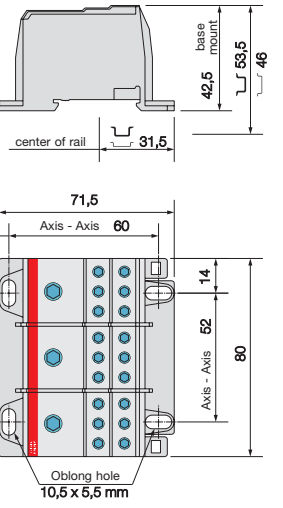

| Type | P/N |
|---|---|
| Grey body | |
| **BRT 115 A** | 1SNA **356 209** R26**00** |

| Characteristics | IEC | UL/CSA |
|---|---|---|
| Rated voltage | 690 V | 600 V |
| Rated current | 125 A | 115 A |
| **Inputs** | 10 to 35 mm² | 8 to 2 AWG |
| Recommended torque | 6 Nm | 53.1 lb. in |
| Recommended torque wrench | 6 flats 4mm | |
| **Outputs** | 6 x 2,5 to 16 mm² | 6 x 14 to 4 AWG |
| Recommended torque | 3 Nm | 26.53 lb. in |
| Recommended torque wrench | 6 flats 3mm | |
| **Neutral** | | |
| Recommended torque | | |
| **Weight** | 400 gr | |

| Accessories | Type | P/N |
|---|---|---|
| 1 Jumper bar | Coupling with wire | |

## BRT 175 A

**Three pole**



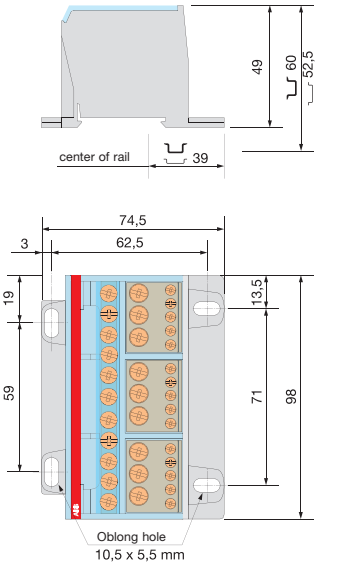

| Type | P/N |
|---|---|
| Grey body | |
| **BRT 175 A** | 1SNA **356 210** R21**00** |

| Characteristics | IEC | UL/CSA |
|---|---|---|
| Rated voltage | 690 V | 600 V |
| Rated current | 175 A | 175 A |
| **Inputs** | 16 to 70 mm² | 6 to 2/0 AWG |
| Recommended torque | 6 Nm | 53.1 lb. in |
| Recommended torque wrench | 6 flats 5 mm | |
| **Outputs** | 6 x 2,5 to 16 mm² | 6 x 14 to 4 AWG |
| Recommended torque | 3 Nm | 26.53 lb. in |
| Recommended torque wrench | 6 flats 3mm | |
| **Neutral** | | |
| Recommended torque | | |
| **Weight** | 400 gr | |

| Accessories | Type | P/N |
|---|---|---|
| 1 Jumper bar | Coupling with wire | |

## BRTC 125 A

**Four pole**




| Type | P/N |
|---|---|
| Grey body | |
| **BRTC 125 A** | 1SNA **356 211** R07**00** |

| Characteristics | IEC | UL/CSA |
|---|---|---|
| Rated voltage | 690 V | |
| Rated current | 125 A | |
| **Inputs** | 10 to 35 mm² | |
| Recommended torque | 1,5 to 3 Nm | |
| **Outputs** | 5 x 1 to 6 mm²<br>2 x 1,5 to 10 mm² | |
| Recommended torque | 0,8 to 1,2 Nm | |
| **Neutral** | 6 x 1,5 to 10 mm²<br>4 x 1,5 to 6 mm² | |
| Recommended torque | 0,8 to 1,2 Nm | |
| **Weight** | 320 gr | |

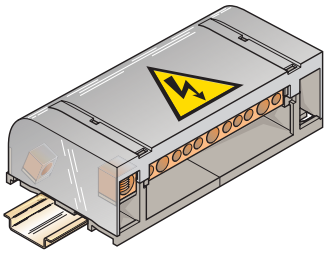
| Accessories | Type | P/N |
|---|---|---|
| 1 Jumper bar | Coupling with wire | |

G

2

# Four pole distribution blocks

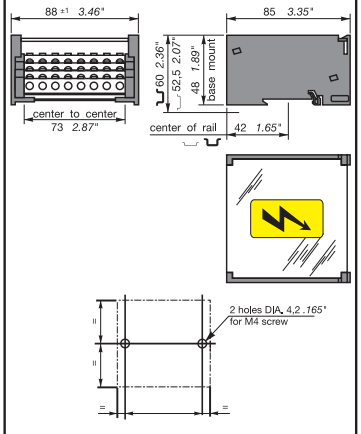
DIN 3



| | | | | |
|---|---|---|---|---|
| **BADL** | | th. 9 mm | V0 | 1SNA **399 903** R02**00** |
| **BAM2** | | th. 10 mm | V2 | 1SNA **206 351** R16**00** |
| **BAM2 V0** | | th. 10 mm | V0 | 1SNA **296 351** R00**00** |
| **BADH** | | th. 12 mm | V2 | 1SNA **116 900** R27**00** |
| **BAMH** | | th. 9,1 mm | V2 | 1SNA **114 836** R00**00** |
| **BAMH V0** | | th. 9,1 mm | V0 | 1SNA **194 836** R01**00** |
| **PR3.Z2** | | 35 x 7,5 x 1 | | 1SNA **174 300** R17**00** |
| **PR4** | | 35 x 15 x 2,3 | | 1SNA **168 500** R12**00** |
| **PR5** | | 35 x 15 x 1,5 | | 1SNA **168 700** R22**00** |

Other end stops, rails and accessories : see section on accessories.

## BRT 80 A



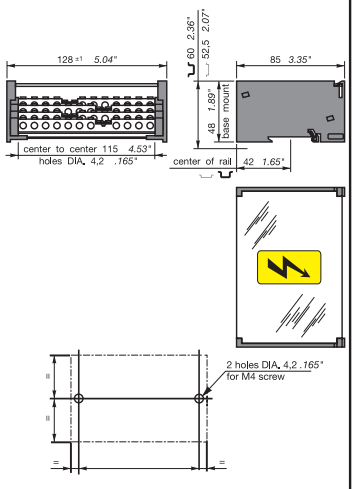

*Rail or base mounted*
*Colour : grey*

| Type | P/N |
|---|---|
| Grey body | |
| **BRT 80 A** | 1SNA **179 534** R22**00** |

| Characteristics | IEC | UL | CSA |
|---|---|---|---|
| Rated voltage | 600 V | 600 V | |
| Rated current | 80 A | 65 A | |
| Short circuit current | 21,6 kA / 3 kA 1s. | 21,6 kA | |
| Input | 16 mm² | 6 AWG | |
| Outputs (with ferrule) | 8 x 10 mm² | 8 x 8 AWG | |
| **Weight** | | | |
| | 210 gr | | |
| | 0.463 lb | | |

| Accessories | Type | P/N |
|---|---|---|

## BRT 125 A



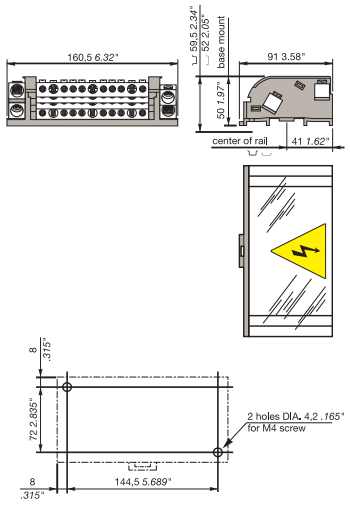

*Rail or base mounted*
*Colour : grey*

| Type | P/N |
|---|---|
| Grey body | |
| **BRT 125 A** | 1SNA **179 535** R23**00** |

| Characteristics | IEC | UL | CSA |
|---|---|---|---|
| Rated voltage | 600 V | 600 V | |
| Rated current | 125 A | 65 A | |
| Short circuit current | 29,6 kA / 4,2 kA 1s. | 29,6 kA | |
| Input | 35 mm² | 4 - 2 AWG | |
| Outputs (with ferrule) | 4 x 16 mm² | 4 x 6 AWG | |
| | 7 x 10 mm² | 7 x 8 AWG | |
| **Weight** | | | |
| | 300 gr | | |
| | 0.661 lb | | |

| Accessories | Type | P/N |
|---|---|---|

## BRT 160 A




*Rail or base mounted*
*Colour : grey*

| Type | P/N |
|---|---|
| Grey body | |
| **BRT 160 A** | 1SNA **179 892** R22**00** |

| Characteristics | IEC | UL pending | CSA pending |
|---|---|---|---|
| Rated voltage | 600 V | 600 V | 600 V |
| Rated current | 160 A | 160 A | 160 A |
| Short circuit current | 20 kA / 6,2 kA 1s. | | |
| Input | 10 to 50 mm² | 6 to 0 AWG | 6 to 0 AWG |
| Outputs (with ferrule) | 3 x 6 to 35 mm² | 3 x 10 to 2 AWG | 3 x 10 to 2 AWG |
| | 8 x 2,5 to 16 mm² | 8 x 14 to 6 AWG | 8 x 14 to 6 AWG |
| **Weight** | | | |
| | 380 gr | | |
| | 0.837 lb | | |

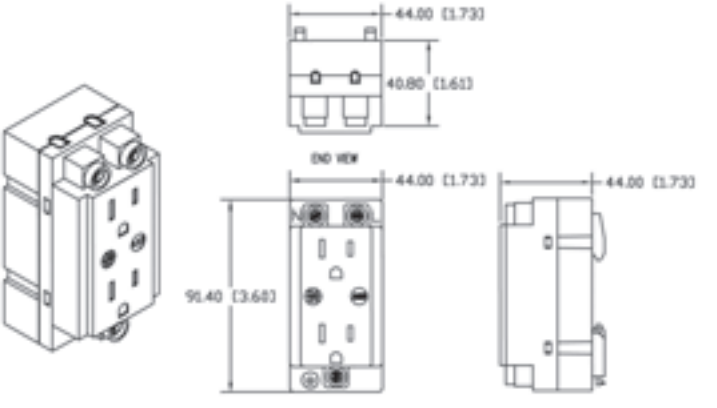
| Accessories | Type | P/N |
|---|---|---|

## Power splicer blocks

| | BRS 175 A | BRS 400 A | BRS 800 A |
|---|---|---|---|
| | CE | CE | CE |
| **Type** | Grey body **BRS 175 A** | Grey body **BRS 400 A** | Grey body **BRS 800 A** |
| **P/N** | **XUS002887** | **XUS002888** | **XUS002889** |
| **Characteristics** | | | |
| Speed of mounting/wiring | Clicks onto DIN rail or base plate with 2 x screws M5 | Clicks onto DIN rail or base plate with 2 x screws M6 | Base plate with 4 x screws M6 |
| Security | - Finger safe protection IP20<br>- No cap to open nor remove | - Finger safe protection IP20<br>- No cap to open nor remove | - Finger safe protection IP20<br>- No cap to open nor remove |
| Dimensions L x W x H (mm) | 72 x 25 x 50 | 145 x 40 x 80 | 145 x 72 x 80 |
| | **Input/ Output**<br>- With cable, admissible cross-section<br>- Mini 2.5 mm² (14 AWG), maxi 50 mm² with ferrule (14 AWG)<br>- Fitting connection: Allen Key<br>- Tightening torque: 12 Nm | **Input/ Output**<br>- With cable, admissible cross-section<br>- Mini 35 mm² (2 AWG), maxi 240 mm² without ferrule (400 MCM)<br>- Fitting connection: Allen Key<br>- Tightening torque: 20 Nm | **2 inputs**<br>- With cable, admissible cross-section<br>- Mini 35 mm² (2 AWG), maxi 300 mm² without ferrule (600 MCM)<br>- With flexible/rigid bar, maxi width 20 mm<br>- Fitting connection: Allen Key<br>- Tightening torque: 20 Nm<br>**2 outputs**<br>- With cable, admissible cross-section<br>- Mini 35 mm² (2 AWG), maxi 300 mm² without ferrule (600 MCM)<br>- With flexible/rigid bar, maxi width 20 mm<br>- Fitting connection: Allen Key<br>- Tightening torque: 20 Nm |

## Rail mounted receptacle

**Dimensions** (mm (in))




| Description | Color | P/N | Packaging | Weight o.z. |
|---|---|---|---|---|
| Din rail mounted duplex receptacle | Ivory | 1SNA **892 461 R1500** | 1 | 3.2 |

## Characteristics

| | |
|---|---|
| **Electrical ratings** | |
| Rated voltage | 125 Volts |
| Rated current | 15 Amps max. |
| Wire range | 18-14 AWG |
| Clamp torque | 3.5 -5.3 lb. in. (0.4 - 0.6 Nm) |
| **Din rail mounting compatibility** | Din 3 only |
| **Materials information reference** | |
| Housing | 25 % glass reinforced PA6/66 V0 |
| Connectors | Chromium oxide plated steel |
| Operation temperatures | -40 °C min. + 70 °C max. |
| Flammability specs | Halogen-free, UL rated 94 V0 |
| Ingress protection | IP20 |
| **Configuration** | Nema 5-15R |