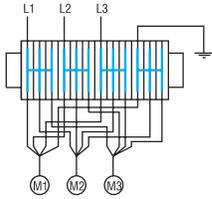


## Distribution terminal blocks

- phases
- ground



Example of application :



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

End stop	th. 9,1 mm	<b>BADL</b>	V0	<b>0199 408.02</b>
End stop	th. 9,1 mm	<b>BAM</b>		<b>0103 002.26</b>
Other end stops : See Accessories section				
Rail	35 x 7,5 x 1	<b>PR30</b>	prepunched	<b>0173 220.05</b>
Rail	35 x 15 x 2,3	<b>PR4</b>		<b>0168 500.12</b>
Rail	35 x 15 x 1,5	<b>PR5</b>	prepunched	<b>0101 598.26</b>
Rail	32 x 15	<b>PR1Z2</b>		<b>0163 050.04</b>
Other rails : See Accessories section				

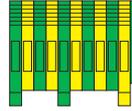
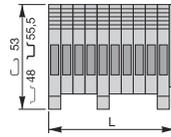
### Notes

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

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

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

Spacing 6 mm (.238")

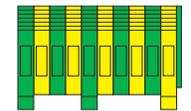
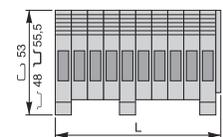


NFC	30 A max.	60 A max.	30 A max./pole
CSA	25 A max.	50 A max.	25 A max./pole
UL	20 A max.	40 A max.	20 A max./pole
Input rated wire size	40 A max. (UL)		
distribution output rated wire size	12 AWG (4 mm²)		

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

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

Spacing 8 mm (.315")



NFC	51 A max.	102 A max.	51 A max./pole
CSA	35 A max.	70 A max.	35 A max./pole
UL	50 A max.	100 A max.	50 A max./pole
Input rated wire size	100 A max. (UL)		
distribution output rated wire size	8 AWG (10 mm²)		



Color	Type	Part numbers
Nb of L		
Phases		
Grey	2 14,5	<b>MB 4/6.L2 0115 406.13</b>
Grey	3 20,5	<b>MB 4/6.L3 0115 407.14</b>
Grey	4 26,5	<b>MB 4/6.L4 0115 408.25</b>
Grey	5 32,5	<b>MB 4/6.L5 0115 409.26</b>
Grey	6 38,5	<b>MB 4/6.L6 0115 410.12</b>
Grey	8 50,5	<b>MB 4/6.L8 0115 411.07</b>
Grey	10 62,5	<b>MB 4/6.L10 0115 412.00</b>

Ground (no electrical connection to rail)		
Green-Yellow	2 14,5	<b>MB 4/6.P2 0165 420.26</b>
Green-Yellow	3 20,5	<b>MB 4/6.P3 0165 421.13</b>
Green-Yellow	4 26,5	<b>MB 4/6.P4 0165 422.14</b>
Green-Yellow	5 32,5	<b>MB 4/6.P5 0165 423.15</b>
Green-Yellow	6 38,5	<b>MB 4/6.P6 0165 424.16</b>
Green-Yellow	8 50,5	<b>MB 4/6.P8 0165 425.17</b>
Green-Yellow	10 62,5	<b>MB 4/6.P10 0165 426.10</b>

### Characteristics

Wire size	IEC		UL	CSA
	Solid wire	DIN		
Compression clamp	0,2-4 mm²		22-10 AWG	22-12 AWG
Stranded wire	0,22-4 mm²		22-10 AWG	22-12 AWG

Voltage			
Rated	800 V	600 V	600 V
Pulse	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	12 AWG

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
9,5 mm	4 mm	0,5-0,8 Nm	IP20
.37"	.16"	4,4-7 lb.in	NEMA 1



Color	Type	Part numbers
Nb of L		
Phases		
Grey	2 18,5	<b>MB 6/8.L2 0115 413.01</b>
Grey	3 26,5	<b>MB 6/8.L3 0115 414.02</b>
Grey	4 34,5	<b>MB 6/8.L4 0115 415.03</b>
Grey	5 42,5	<b>MB 6/8.L5 0115 416.04</b>
Grey	6 50,5	<b>MB 6/8.L6 0115 417.05</b>
Grey	8 66,5	<b>MB 6/8.L8 0115 418.16</b>
Grey	10 82,5	<b>MB 6/8.L10 0115 419.17</b>

Ground (no electrical connection to rail)		
Green-Yellow	2 18,5	<b>MB 6/8.P2 0165 427.11</b>
Green-Yellow	3 26,5	<b>MB 6/8.P3 0165 428.22</b>
Green-Yellow	4 34,5	<b>MB 6/8.P4 0165 429.23</b>
Green-Yellow	5 42,5	<b>MB 6/8.P5 0165 430.20</b>
Green-Yellow	6 50,5	<b>MB 6/8.P6 0165 431.15</b>
Green-Yellow	8 66,5	<b>MB 6/8.P8 0165 432.16</b>
Green-Yellow	10 82,5	<b>MB 6/8.P10 0165 433.17</b>

### Characteristics

Wire size	IEC		UL	CSA
	Solid wire	DIN		
Compression clamp	0,5-10 mm²		22-8 AWG	20-8 AWG
Stranded wire	0,5-6 mm²		22-8 AWG	20-8 AWG

Voltage			
Rated	800 V	600 V	600 V
Pulse	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 stripping 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

	<b>1</b> Test socket
	<b>2</b> Test device
	<b>3</b> Test plug
	<b>4</b> Assembled jumper bar (without IP 20 protection)
	<b>4</b> Assembled jumper bar (with IP 20 protection)
	<b>5</b> Shield connector
	<b>R</b> See section on markers marking method

Type	Part numbers
<b>AL2</b>	DIA. 2 mm <b>0163 043.21</b>
<b>AL3</b>	DIA. 3 mm <b>0163 261.00</b>
<b>DCJ</b>	yellow <b>0173 059.03</b>
<b>FC2</b>	DIA. 2 mm <b>0007 865.26</b>
<b>BJM6</b>	2 to 10 poles (1)
<b>BJMI6</b>	2 to 10 poles (1)
<b>CBM5</b>	th. 0,5 mm <b>0178 745.14</b>
<b>CBM8</b>	th. 0,8 mm <b>0178 746.15</b>

Type	Part numbers
<b>AL2</b>	DIA. 2 mm <b>0163 043.21</b>
<b>AL3</b>	DIA. 3 mm <b>0163 261.00</b>
<b>AL4</b>	DIA. 4 mm <b>0163 262.01</b>
<b>DCO</b>	orange <b>0173 060.00</b>
<b>FC2</b>	DIA. 2 mm <b>0007 865.26</b>
<b>FC4</b>	DIA. 4 mm <b>0167 860.01</b>
<b>BJM8</b>	2 to 10 poles (1)
<b>BJMI8</b>	2 to 10 poles (1)

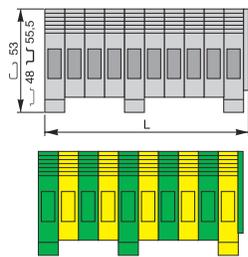
(1) Note : (1) See Accessories section

(1) (17)

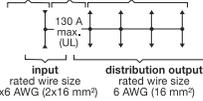
**MB 10/10.L...**

**MB 10/10.P...**

Spacing 10 mm (.394")



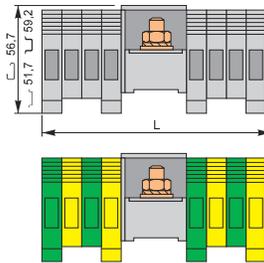
NFC : 71 A max., 128 A max., 71 A max./pole  
 CSA : 50 A max., 100 A max., 50 A max./pole  
 UL : 65 A max., 130 A max., 65 A max./pole



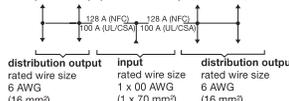
**MB 70/10.L...**

**MB 70/10.P...**

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



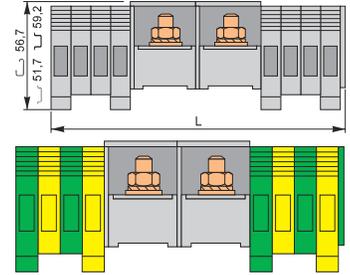
NFC : 71 A max./pole, 239 A max., 71 A max./pole  
 CSA : 65 A max./pole, 200 A max., 65 A max./pole  
 UL : 65 A max./pole, 200 A max., 65 A max./pole



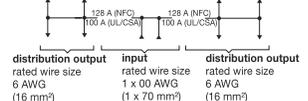
**MB 2x70/10.L...**

**MB 2x70/10.P...**

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



NFC : 71 A max./pole, 256 A max., 71 A max./pole  
 CSA : 65 A max./pole, 200 A max., 65 A max./pole  
 UL : 65 A max./pole, 200 A max., 65 A max./pole



Color	Type	Part numbers
	<b>Nb of L</b>	
	<b>blocks mm</b>	
Phases		
Grey	2 22,5	<b>MB 10/10.L2</b> 0115 328.23
Grey	3 32,5	<b>MB 10/10.L3</b> 0115 329.24
Grey	4 42,5	<b>MB 10/10.L4</b> 0115 330.21
Grey	5 52,5	<b>MB 10/10.L5</b> 0115 331.16
Grey	6 62,5	<b>MB 10/10.L6</b> 0115 332.17
Grey	8 82,5	<b>MB 10/10.L8</b> 0115 333.10
Grey	10 102,5	<b>MB 10/10.L10</b> 0115 334.11
Ground (no electrical connection to rail)		
Green-Yellow	2 22,5	<b>MB 10/10.P2</b> 0165 343.04
Green-Yellow	3 32,5	<b>MB 10/10.P3</b> 0165 344.05
Green-Yellow	4 42,5	<b>MB 10/10.P4</b> 0165 345.06
Green-Yellow	5 52,5	<b>MB 10/10.P5</b> 0165 346.07
Green-Yellow	6 62,5	<b>MB 10/10.P6</b> 0165 347.00
Green-Yellow	8 82,5	<b>MB 10/10.P8</b> 0165 348.11
Green-Yellow	10 102,5	<b>MB 10/10.P10</b> 0165 349.12



Color	Type	Part numbers
	<b>Nb of L</b>	
	<b>blocks mm</b>	
Phases		
Grey	2x1 54	<b>MB 70/10.L2</b> 0115 335.12
Grey	2x2 74	<b>MB 70/10.L4</b> 0115 336.13
Grey	2x3 94	<b>MB 70/10.L6</b> 0115 337.14
Grey	2x4 114	<b>MB 70/10.L8</b> 0115 338.25
Ground (no electrical connection to rail)		
Green-Yellow	2x1 54	<b>MB 70/10.P2</b> 0165 350.17
Green-Yellow	2x2 74	<b>MB 70/10.P4</b> 0165 351.04
Green-Yellow	2x3 94	<b>MB 70/10.P6</b> 0165 352.05
Green-Yellow	2x4 114	<b>MB 70/10.P8</b> 0165 353.06



Color	Type	Part numbers
	<b>Nb of L</b>	
	<b>blocks mm</b>	
Phases		
Grey	2x1 83	<b>MB2x70/10.L2</b> 0115 339.26
Grey	2x2 103	<b>MB2x70/10.L4</b> 0115 340.03
Grey	2x3 123	<b>MB2x70/10.L6</b> 0115 341.20
Grey	2x4 143	<b>MB2x70/10.L8</b> 0115 342.21
Ground (no electrical connection to rail)		
Green-Yellow	2x1 83	<b>MB2x70/10.P2</b> 0165 354.07
Green-Yellow	2x2 103	<b>MB2x70/10.P4</b> 0165 355.00
Green-Yellow	2x3 123	<b>MB2x70/10.P6</b> 0165 356.01
Green-Yellow	2x4 143	<b>MB2x70/10.P8</b> 0165 357.02

**Characteristics**

Wire size	IEC		UL	CSA
	NFC	DIN		
Compression clamp	Solid wire		22-6 AWG	18-6 AWG
	Stranded wire		22-6 AWG	18-6 AWG
	Max.		95 mm <sup>2</sup>	00 AWG
Lugs	Rated		70 mm <sup>2</sup>	00 AWG max.

**Characteristics**

Wire size	IEC		UL	CSA
	NFC	DIN		
Compression clamp	Solid wire		22-6 AWG	14-6 AWG
	Stranded wire		22-6 AWG	14-6 AWG
	Max.		95 mm <sup>2</sup>	00 AWG
Lugs	Rated		70 mm <sup>2</sup>	00 AWG max.

**Characteristics**

Wire size	IEC		UL	CSA
	NFC	DIN		
Compression clamp	Solid wire		22-6 AWG	14-6 AWG
	Stranded wire		22-6 AWG	14-6 AWG
	Max.		2x95 mm <sup>2</sup>	00 AWG max.
Lugs	Rated		2x70 mm <sup>2</sup>	00 AWG max.

**Voltage**

Rated	800 V	600 V	600 V
Pulse	8 kV		
Pollution degree	3		

**Voltage**

Rated	800 V	600 V	600 V
Pulse	8 kV		
Pollution degree	3		

**Voltage**

Rated	800 V	600 V	600 V
Pulse	8 kV		
Pollution degree	3		

**Current**

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

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

Rated	Short-circuit	63A	1200A/1s	200 A	200 A
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**Wire size**

Rated / Gauge	10 mm <sup>2</sup>	6 AWG	6 AWG
Wire stripping 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

**Wire size**

Rated / Gauge	10 mm <sup>2</sup>	6 AWG	6 AWG
Wire stripping 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

**Wire size**

Rated / Gauge	10 mm <sup>2</sup>	6 AWG	6 AWG
Wire stripping 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	0163 043.21
AL3	DIA. 3 mm	0163 261.00
AL4	DIA. 4 mm	0163 262.01
FC2	DIA. 2 mm	0007 865.26
FC4	DIA. 4 mm	0167 860.01
BJM10	2 to 10 poles	(1)
BJMI10	2 to 10 poles	(1)

Type		Part numbers
AL2	DIA. 2 mm	0163 043.21
AL3	DIA. 3 mm	0163 261.00
AL4	DIA. 4 mm	0163 262.01
FC2	DIA. 2 mm	0007 865.26
FC4	DIA. 4 mm	0167 860.01
BJM10	2 to 4 poles	(1)
BJMI10	2 to 4 poles	(1)

Type		Part numbers
AL2	DIA. 2 mm	0163 043.21
AL3	DIA. 3 mm	0163 261.00
AL4	DIA. 4 mm	0163 262.01
FC2	DIA. 2 mm	0007 865.26
FC4	DIA. 4 mm	0167 860.01
BJM10	2 to 4 poles	(1)
BJMI10	2 to 4 poles	(1)

① ⑰ ⑳  
 Note : (1) See Accessories section

① ⑰ ⑳

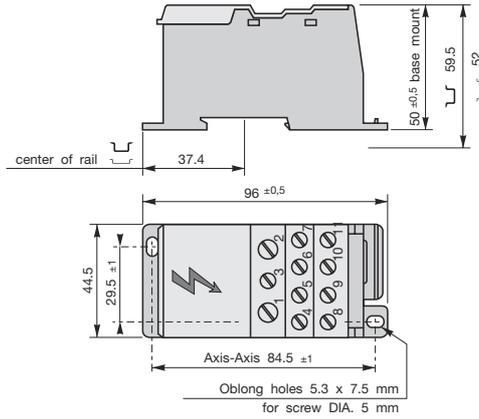
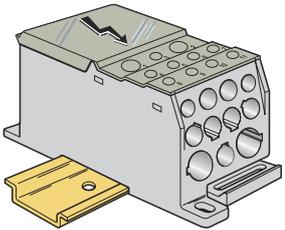
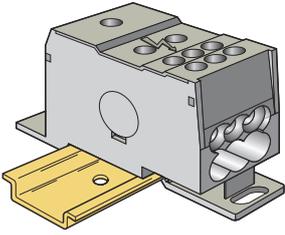
① ⑰ ⑳



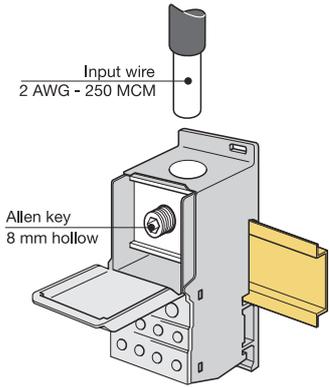
**Single pole distribution blocks**

 **DIN 3**

**BRU 250 ALU**



**All dimensions in millimeters**



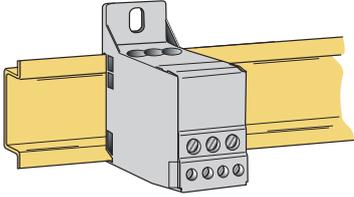
Rail (DIN 3) or base mount with 2 x screws (M5 max.)  
Color : black

- BADH** th. 12 mm **0116 900.27**
- BAM** th. 9,1mm **0103 002.26**
- BADL** th. 9,0 mm **0199 408.02**
- Other end stops : See Accessories section*
- PR30**  35 x 7,5 x 1 **0173 220.05**
- PR4**  35 x 15 x 2,3 **0168 500.12**
- PR5**  35 x 15 x 1,5 **0101 598.26**
- Other rails : See Accessories section*
- Other accessories : See Accessories section*

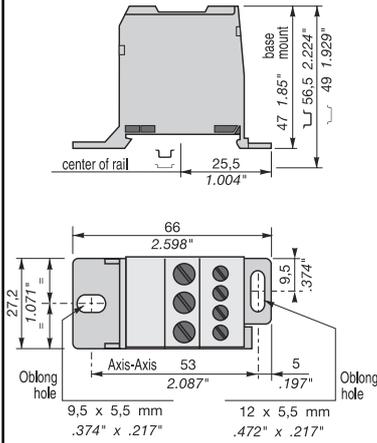
CE									
Type	P/N	Type	P/N	Type	P/N				
Black body Material: latamid 6 VO									
<b>BRU 250 ALU</b>	aluminum	<b>0356 207.14</b>							
IEC	UL in progress	CSA in progress	IEC	UL	CSA				
Rated voltage	690 V	600 V							
Rated current	250 A								
copper wire		255 A							
aluminum wire		205 A							
Input, aluminum or copper wire									
min. wire size	35 mm <sup>2</sup>	2 AWG							
max. wire size	120 mm <sup>2</sup>	250 MCM							
Recommended torque	19 Nm	170 lb.in							
Allen key	8 mm	8 mm							
Outputs, 11 total, copper wires									
2 outputs:									
wire size with ferrule	2 x 2,5 to 25 mm <sup>2</sup>	2x14AWG to 4AWG							
wire size without ferrule	2 x 2,5 to 35 mm <sup>2</sup>	2x14AWG to 2AWG							
Recommended torque	3,5 Nm	31 lb.in							
5 outputs, wire size with/without ferrule	5 x 2,5 to 16 mm <sup>2</sup>	5x14AWG to 6AWG							
Recommended torque	2 Nm	18 lb.in							
4 outputs, wire size with/without ferrule	4 x 2,5 to 10 mm <sup>2</sup>	4x14AWG to 8AWG							
Recommended torque	2 Nm	18 lb.in							
Weight			Weight		Weight				
	220 grams								
	0.483 lb								
Accessories	Type	Type	Type	Type	Type				

**Single pole distribution block**

 **DIN 3**



**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 IP20.

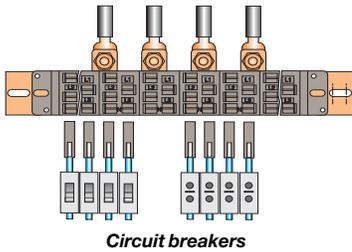
- BADH** th. 12 mm **0116 900.27**
- BAM** th. 9,1mm **0103 002.26**
- BADL** th. 9,0 mm **0199 408.02**
- Other end stops : See Accessories section
- PR30**  35 x 7,5 x 1 **0173 220.05**
- PR4**  35 x 15 x 2,3 **0168 500.12**
- PR5**  35 x 15 x 1,5 **0101 598.26**
- Other rails : See Accessories section
- Other accessories : See Accessories section



Type	P/N	Type	P/N	Type	P/N	
Grey body						
<b>BRU 80 A</b>	<b>0356 208.25</b>					
IEC	UL pending	CSA pending	IEC	UL	CSA	
Rated voltage	600 V	600 V				
Rated current	80 A	80 A				
Input/output wire size, max.	3 x 16 mm <sup>2</sup>	3 x 4 AWG				
Input/output recommended torque	1.5 Nm	13 lb. in				
Output wire size, with or without ferrule	4 x 2.5 to 6 mm <sup>2</sup>	4 x 14 to 10 AWG				
Output recommended torque	0.8 Nm	7 lb. in				
Screwdriver	Posidriv Z2 or flat					
Weight			Weight			
73 gr						
0.16 lb						
Accessories	Type	P/N	Type	P/N	Type	P/N
<b>1</b> Jumper bar	Coupling with wire					



## Four pole distribution block



Circuit breakers

### MODULAR CABINETS

This four pole distribution block is the optimum distribution system for a non-homogeneous line of modular equipment (interconnection of single, two, three, or four pole equipment from different manufacturers).

Once the system is wired, additions and modifications can be made without disconnecting the power.

*Example : 24 module four pole distribution block, 12 outputs per phase, 24 outputs for neutral.*

### MOTOR STARTERS

Wire motor or contactors with this four pole distribution block, for example, to reverse the rotation direction of a motor (phase reversal), or quickly disconnect without disturbing the manufacturing process (live intervention).

*Example : 3 phase 250 A power distribution busbar, plus one neutral or common conductor.*

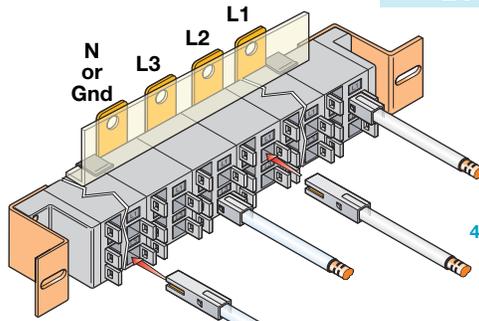
### Characteristics

Rated voltage	660 V
Rated current	250 A
Inputs : on copper bars	25 x 2 mm
Diameter of holes	DIA. 10,5 mm/.41"
Inputs/Outputs :	
- Max. current per pole	63 A (10 mm <sup>2</sup> strand)
- Short-circuit withstand	61 KA peak
- Protection	IP20

### Accessories

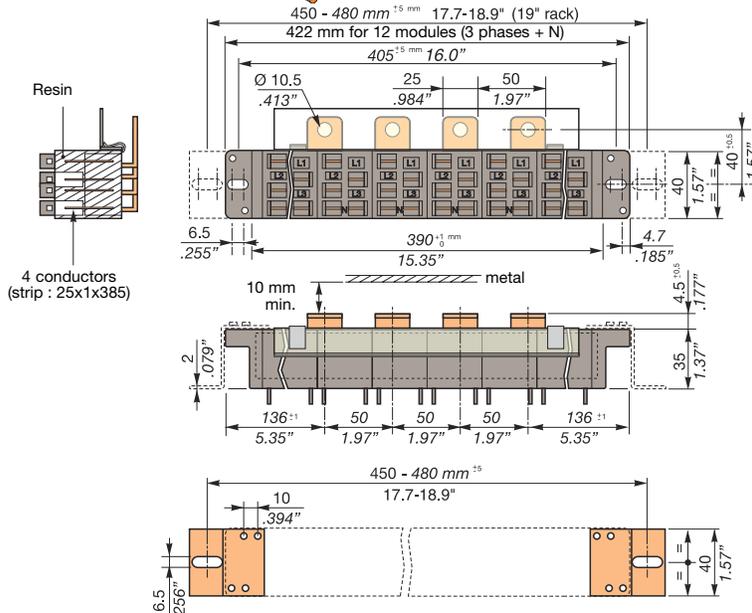
Type	Length	Color	P/N
1 Pre-wired connector - 40 A + 10 AWG (6 mm <sup>2</sup> ) strand	CBRG 6/120	120 mm	black RAU0356 002.02
	CBRG.N 6/120	120 mm	blue RAU0356 003.03
2 Pre-wired connector - 63 A + 8 AWG (10 mm <sup>2</sup> ) strand	CBRG 6/320	320 mm	black RAU0356 004.04
	CBRG.N 6/320	320 mm	blue RAU0356 005.05
3 Pre-wired connector with UL certified wires - 40 A + 10 AWG (6 mm <sup>2</sup> ) strand	CBRG 10/120	120 mm	black RAU0356 006.06
	CBRG.N 10/120	120 mm	blue RAU0356 007.07
4 Pre-wired connector with UL certified wires - 63 A + 8 AWG (10 mm <sup>2</sup> ) strand	CBRG 10/320	320 mm	black RAU0356 008.10
	CBRG.N 10/320	320 mm	blue RAU0356 009.11
5 Connector equipped with a crimping lug - 1,5 to 2,5 mm <sup>2</sup> - 4 to 6 mm <sup>2</sup>	CBRG 6/120.UL	120 mm	black RAU0356 013.24
	CBRG.N 6/120.UL	120 mm	blue RAU0356 014.25
6 Crimping tool (double crimping required)	CBRG 6/320.UL	320 mm	black RAU0356 015.26
	CBRG.N/320.UL	320 mm	blue RAU0356 016.27
	CBRG 10/120.UL	120 mm	black RAU0356 017.28
	CBRG.N 10/120.UL	120 mm	blue RAU0356 018.01
	CBRG 10/320.UL	320 mm	black RAU0356 019.02
	CBRG.N 10/320.UL	320 mm	black RAU0356 020.07
	CBRG.CS/2.5		blue RAU0356 010.05
	CBRG.CS/6		yellow RAU0356 011.22
	PA2		0203 146.06

## BRGT 250 A



Distribution system 250 A per pole (4 poles).  
L1, L2, L3, 3 x 12 wires per pole, 10 or 8 AWG (6 or 10 mm<sup>2</sup>).  
Ground or neutral, 1 x 24 wires per pole, 10 or 8 AWG (6 or 10 mm<sup>2</sup>).  
Connection of the input on copper bars at the back of the product.

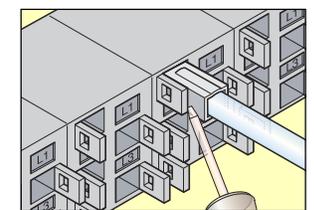
Pre-wired connectors  
40 or 63 A per wire (or output)



The connector is automatically locked.



Unlocking with a screwdriver only



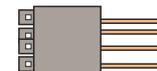
2 brackets + 4 screws for mounting in a standard 19" rack, included.



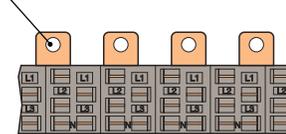
Type	P/N
Grey body <b>BRGT 250 A</b>	<b>RAU0356 001.01</b>

### OPTIONS (consult us)

#### ALTERNATE ANGLE ENTRY OF POWER



#### POWER INPUT



- Standard : DIA. 10,5 mm/.41"  
- Optional : DIA. 5,3 mm/.21" or 6,5 mm/.25" or 8,5 mm/.33"

#### BRANCHING : PRE-WIRED CONNECTORS



- Standard : 10 or 8 AWG (6 or 10 mm<sup>2</sup>)  
Length - 120 or 320 mm (4.7 or 12.6")  
- Optional : Custom-made connector (consult us)



# POWER DISTRIBUTION CONTROL BUS

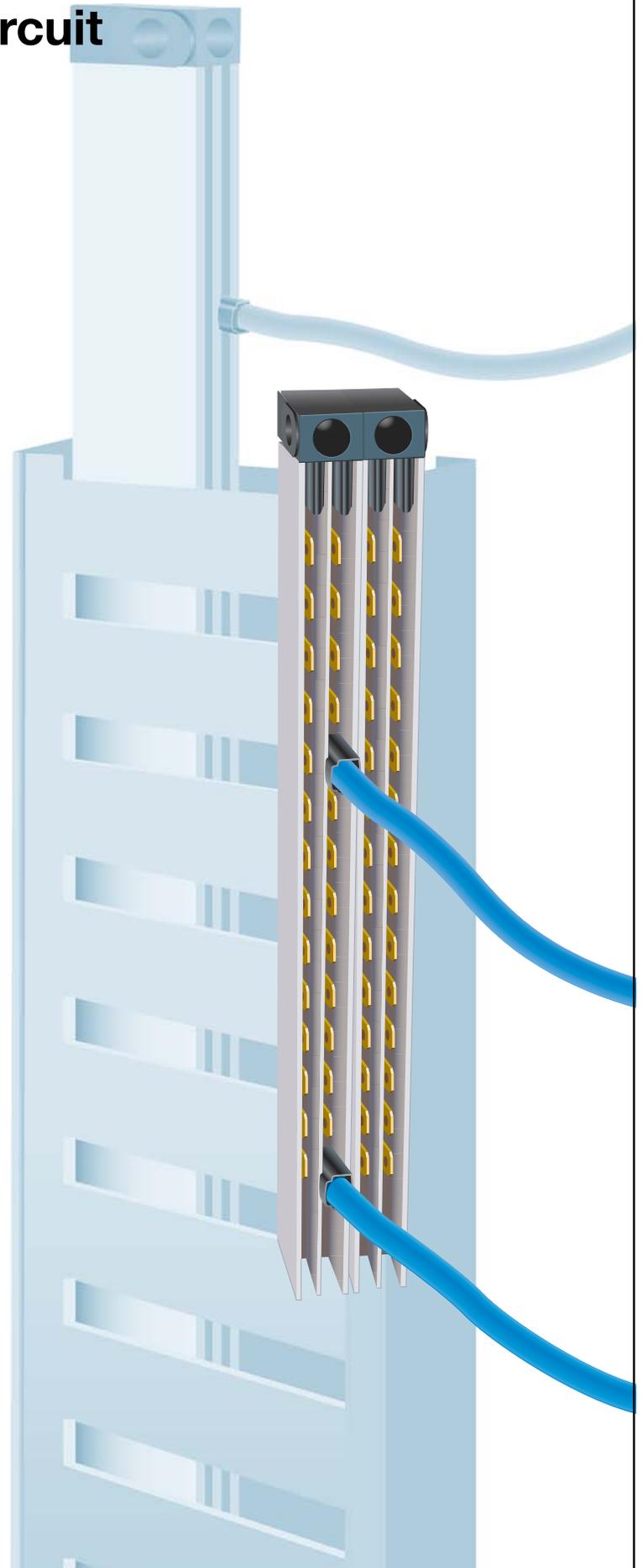
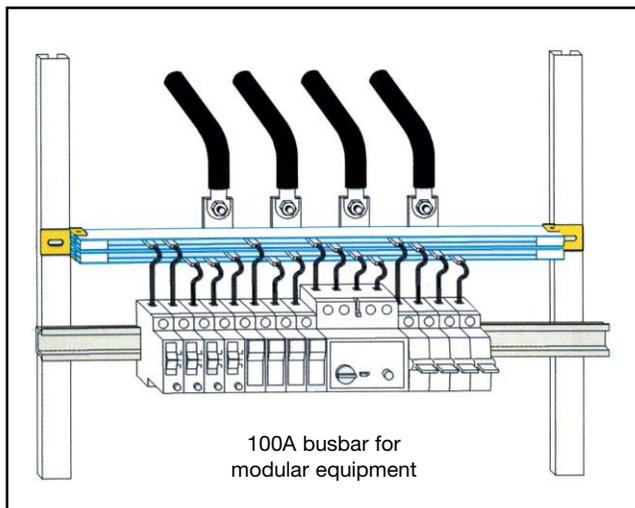
## Distribute 80 Amps per circuit to 152 output points

Organize up to six isolated power distribution circuits, each providing safe and flexible connections to components in branch circuits. Quick connect or disconnect is possible without disturbing adjacent branch circuits.

UL/CSA rated system distributes 25 to 80A (100A CSA) per circuit to 152 output contact points. The system contains one to three housings, each 1.9 meter (6.23 ft.) in length, with each housing containing one or two distribution circuits.

Four power distribution models distribute UL rated currents of 25A, 40A, 63A, and 80A, respectively. Each bar is rated 600V and provides 80 contact points per meter. Insulated end caps assure electrical isolation. The standard 1.9 meter length can be readily cut to accommodate the user's mechanical requirements. Housing supports assure proper mechanical mounting onto an enclosure panel or a DIN rail.

Accessories include a touch-proof cover, housing and mounting supports, end caps, high current connectors, and DIN rail mounting adapters.



# POWER DISTRIBUTION SYSTEM

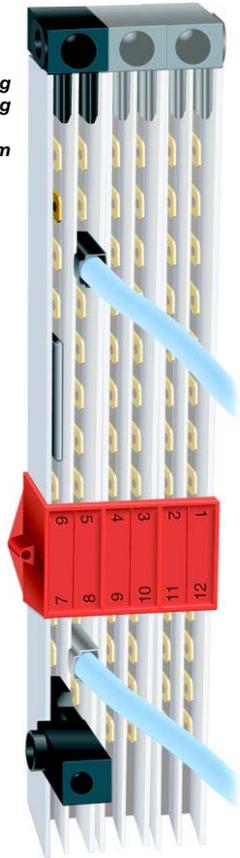
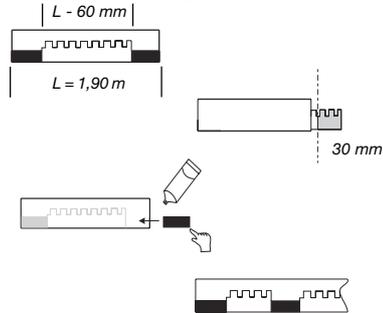
## How to use "Auxigaine" bars

- Each "Auxigaine" bar is sold in 1.9 meter lengths (6.23 feet) with 1 or 2 current-carrying circuits.
- The conductive bar is held using end caps.
- If a lower dimension is necessary, cut the needed length. Remove the conductive bar, cut 30 mm at the end, then slide it back into the housing.
- Each new end has to be insulated using a stuck end cap.
- In order to get several electrical circuits on the same bar : Use an end cap between each pre-cut part.

For simple, precise, and quick wiring.

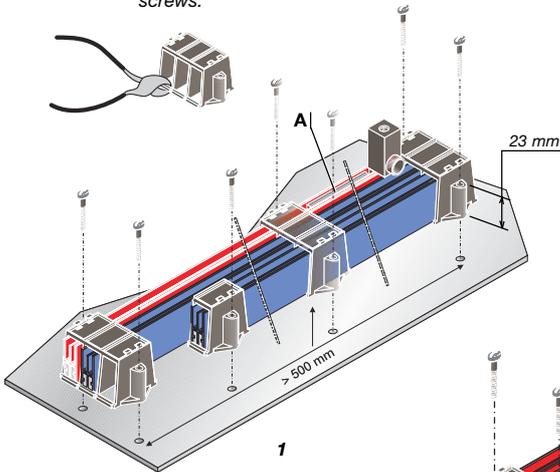
Connection, disconnection, test, modification and handling problems become simple and easy to solve, reducing wiring expenses.

- 83 connection points per meter and per phase, current from 32 A to 125 A with an insulating voltage of 660 V.
- Applications :
  - relay or contactor monitoring
  - modular circuit-breakers and limit switches
  - etc ...



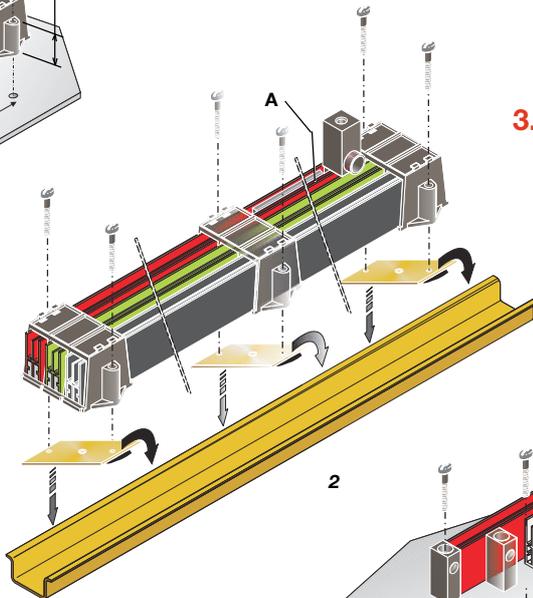
### 1. Base mounting

- Use housing fixing devices 19FT3V
- Before inserting the "Auxigaine" bars, cut the matching braces.
- Use one housing fixing device 19FT3V every 500 mm.
- Fix the assembly on the designed support with M4 screws.



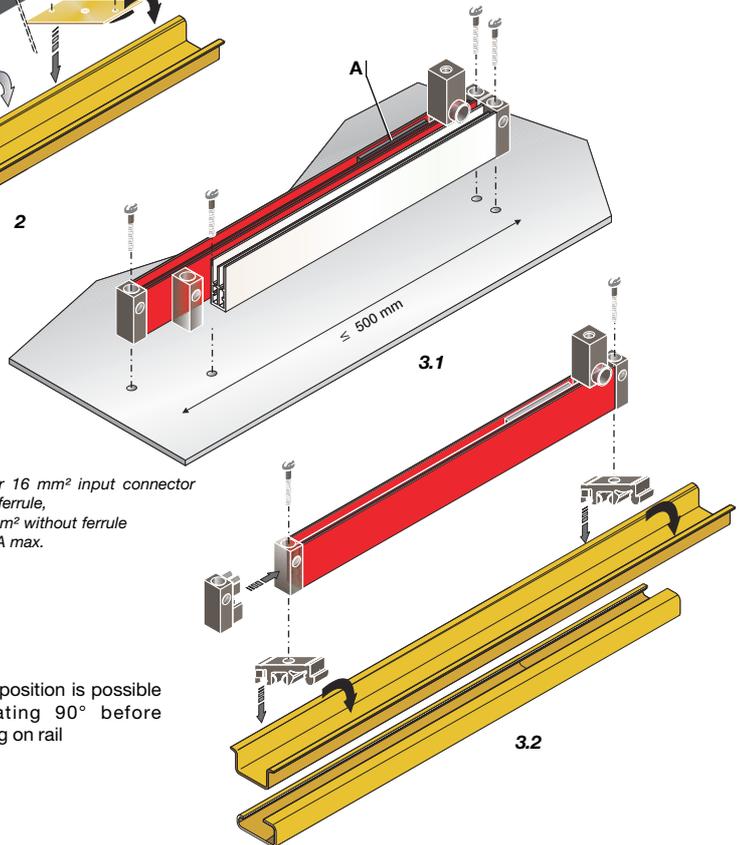
### 2. Mounting on DIN 3 rail

- Use a housing fixing device 19FT3V. See drawing below.
- Screw the housing fixing device on adapter 17 SR35 with claw to snap onto the rail.
- Use one housing fixing device 19FT3V every 500 mm.



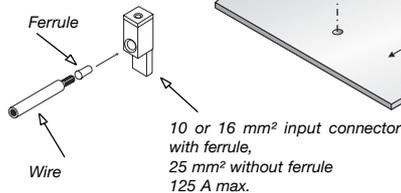
### 3. Mounting with housing support 17BS

- You may also use housing support 17BS. It is used as an end cap and fixing device.
  - 3.1 - Base-mounting using M4 screw
  - 3.2 - DIN 1-3 rail mounting using housing supports 19BSA.

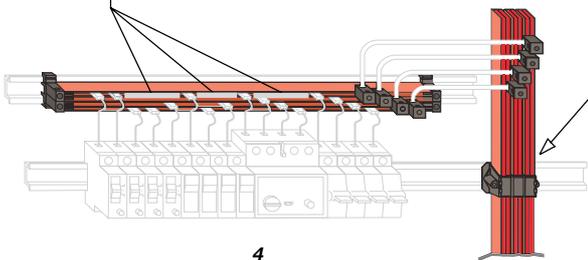


### 4. Power supply installation

- Place the input connector 40017 on the conductive bar (push in thoroughly).
- For an optimum and safe connection, use a ferrule which matches the stranded wire size.

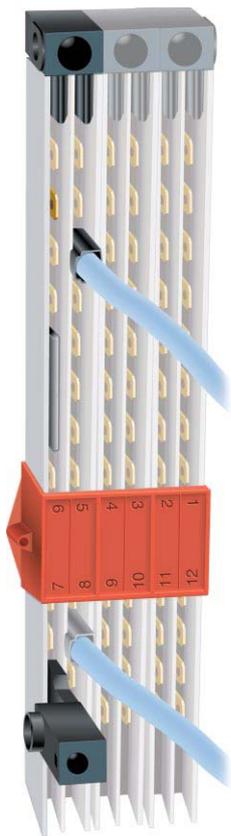


A - Insulate the unused flat pins using the protection cover 15PJ1.

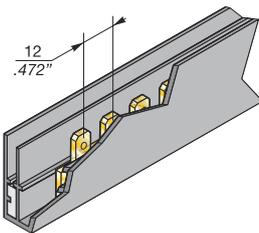


Vertical position is possible by rotating 90° before snapping on rail

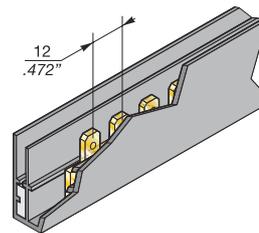
# Power distribution system



## IO 25



## JO 80



UL				CE			
Color	Type	Part Number		Color	Type	Part Number	
Grey	IO 25	1 circuit	2 circuits	Grey	JO 80	1 circuit	2 circuits
		<b>0304 482.25</b>	<b>0304 291.05</b>			<b>0304 301.17</b>	<b>0304 302.10</b>

Blue, red, green-yellow or black housing without Halogen, consult us.

Blue, red, green-yellow or black housing without Halogen, consult us.

### Characteristics

### Characteristics

Wire size	NFC DIN			UL		CSA	
Quick-connect tabs	6,3 x 0,8 mm		series 250	6 mm <sup>2</sup>			

Voltage				Voltage			
Rated	660V	600V	600V	Rated	660V	600V	600V
Pulse	2500V			Pulse	2500V		
Pollution degree				Pollution degree			

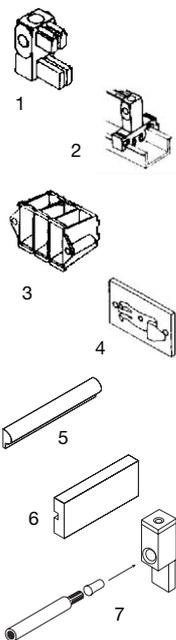
Current				Current			
Rated	32 A	25A	32A	Rated	100 A	80 A	100 A
Wire size				Wire size			
Rated		6 mm <sup>2</sup>		Rated		6 mm <sup>2</sup>	

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection	Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
			NEMA 1 with cover				NEMA 1 with cover

## Notes

Body material UL-97V0

## Accessories



- 1 Base-mount housing support<sup>(1)</sup>
- 2 Rail mount housing support<sup>(2)</sup>
- 3 Housing fixing device
- 4 DIN rail adapter for housing<sup>(4)</sup> fixing device
- 5 Protection cover
- 6 End cap
- 7 Input connector 10 or 16 mm<sup>2</sup> with ferrule 25 mm<sup>2</sup> without ferrule 125 A max.

Type	Part number	Type	Part number
17BS	0304 305.13	17BS	0304 305.13
19BSA	0304 527.21	19BSA	0304 527.21
19FT3V	0304 304.12	19FT3V	0304 304.12
17SR35	0304 307.15	17SR35	0304 307.15
17B10	0304 306.14	17B10	0304 306.14
15PJ1	0304 309.27	15PJ1	0304 309.27
40017	0304 308.26	40017	0304 308.26

(1) delivered with CM 4 . 25 screw  
 (2) delivered with CM 4 . 30 screw  
 (4) delivered with self-cutting screw