



## Ω BLOCK - Distribution Blocks

The TEKNOMEGA Ω BLOCK range is quite complete and includes terminal board distribution units, both single block and compact. This allows making distribution units from 40 Amp up to 500 Amp.

Applications range from the use in switchboards, automation and command panel boards, distribution panel boards.

**Terminal board distribution blocks:** from 100 Amp to 160 Amp, 2- or 4-pole, to use in applications in which the efficient short-circuit current value (**I<sub>cc</sub> eff.**), is kept within 10 kA.

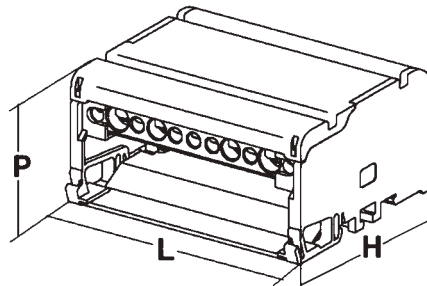
Equipped with a transparent protection screen between phase and phase, at the bottom of the distribution unit, and frontal, removable to tighten connections.

**Compact distribution blocks:** from 80 Amp to 500 Amp, 1- and 3-pole, to use in applications in which the efficient short-circuit current value (**I<sub>cc</sub> eff.**) is higher than 10 kA. Registered as per standard UL. Wiring made easy by guided accesses. High electric insulation value. No protection to remove to tighten the connections.

**Quick distribution unit blocks:** 40 Amp, 1- and 2-pole. Quick indirect spring hook-up outputs, efficient and safe.

All the Ω BLOCK distribution range is fitted on DIN rail (omega rail) and/or bottom plate using the specific provisions.

## 2- AND 4-POLE 100 AMP 125 AMP 160 AMP



### TECHNICAL FEATURES

Brass conductors  
Galvanized steel screws included  
Insulation between phases  
Front removable protection screen  
(except RPQ1025)


Self-extinguishing insulating structure UL94V0  
Quick hook-up on DIN rails

#### Compliant with standards IEC 947-1 and IEC 947-7-1


Low voltage auxiliary equipment terminal boards for copper conductors

IEC 947-1 Low voltage devices  
Part 1: general rules  
IEC 947-7-1 Low voltage devices  
Part 7: Auxiliary equipment  
Section One - Terminal boards for copper conductors

### 2-POLE 100/125A

Code	Reference		L mm	H mm	P mm	Fix. hole space mm
RPB1000	RPB 125-06	1	64	45	50	45
RPB1005	RPB 125-14	1	132	45	50	110

### 4-POLE 100/125/160A

Code	Reference		L mm	H mm	P mm	Fix. hole space mm
RPQ1000	RPQ 125-06	1	64	90	50	45
RPQ1005	RPQ 125-10	1	100	90	50	80
RPQ1010	RPQ 125-14	1	132	90	50	110
RPQ1015	RPQ 160-11	1	170	90	70	150
RPQ1020	RPQ 160-11 M	1	160	90	50	144
RPQ1025	RPQ C-100	1	98	75	45	55

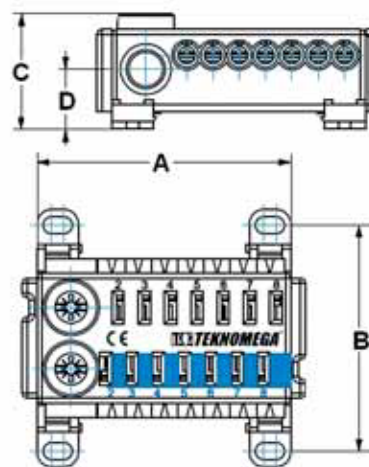
**RPQ 1015:** Separate inputs: easy wiring  
**RPQ 1020:** Separate inputs: modular depth

**RPB 1005:**   
**RPQ 1005:**   
**RPQ 1010:**  Right or left input

**RPQ 1025:** Compact 4-pole distribution unit  
7 outputs per phase  
10 outputs for neutral  
easy wiring  
IP20



## 1- AND 2-POLE 80 AMP SPRING TIGHTENING



### TECHNICAL FEATURES

Body made in PA 66-V0  
 Self-extinguishing as per UL94V0  
 Brass bars  
 Cable tightening:  
 - for inputs, output screws, spring steel system with copper contact  
**Rated intensity: 80 Amp**  
 Protection grade IP20  
 Direct fitting on DIN rails or plate using 4 M4 screws

**Compliant with standard EN60998 - EN60999** and their subsequent modifications

### ADVANTAGES

Extremely easy wiring  
 Output with spring tightening  
 Highly reliable and stable connection with:  
 - rigid stripped cable  
 - cable with ferrule

Code	Reference		Pole	A mm	B mm	C mm	D mm
RPU5000	RPU 80-S-14-B	1	1	53	47	24	12
RPU5005	RPU 80-S-14-G	1	1	53	47	24	12
RPU5010	RPB 80-S-7-BG	1	2	53	47	24	12

#### RPU 5000 - 5005

1-pole 14-output distribution unit with double input  
 BLUE or GREY color

#### RPU5010

2-pole 7-output distribution unit  
 BLUE and GREY color

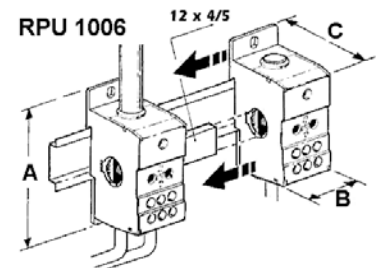
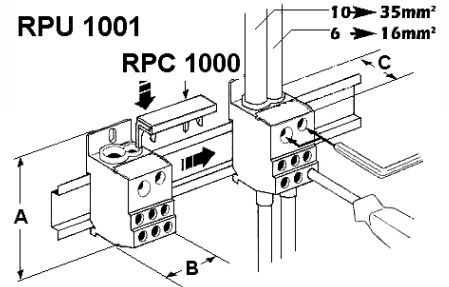
Type	IN/OUT	Nr.	Cable cross section mm <sup>2</sup>		Torque Nm	Ui
			only cable	with ferrule		
RPU 5000 / 5005	IN →	1	1.5 ÷ 25	1.5 ÷ 25	2.5	600 V
	← OUT	14	0.5 ÷ 4	0.5 ÷ 3.5	-	
RPU 5010	IN →	2	1.5 ÷ 25	1.5 ÷ 25	2.5	600 V
	← OUT	7	0.5 ÷ 4	0.5 ÷ 3.5	-	

# Ω BLOCK - Compact Distribution Blocks

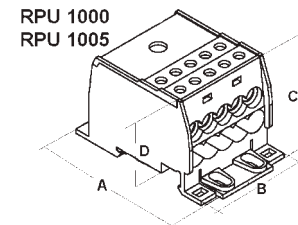
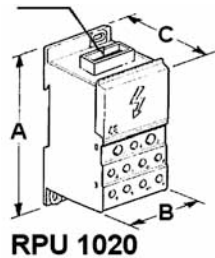
1- AND 3-POLE FROM 80 AMP TO 500 AMP



LISTED file n° E302208



Input with:  
copper bar 25x5  
flexible bar 24x6x1



## TECHNICAL FEATURES

- Body made in PA 66-V0
- Self-extinguishing as per UL 94V0
- Cable tightening using 6 lobes screws
- Protection grade IP20
- Direct fitting on DIN rail or plate using M4 screws

Compliant with standards IEC 947-1 and IEC 947-7-1

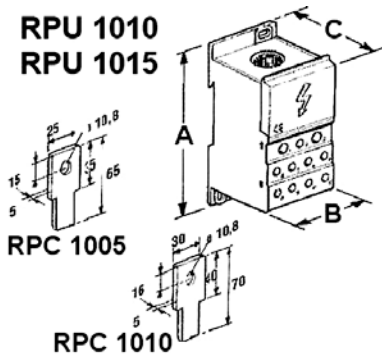
Low Voltage auxiliary equipment terminal boards for copper conductors

## 1-POLE FROM 80 AMP TO 500 AMP

Code	Reference		In Amp	Pole	Weight Kg	A	B	C	D
RPU0995	RPU 80-6	1	80 A	1	0,07	66	27	45	42,5
RPU1000	RPU 125-10	1	125 A	1	0,23	71	45	43	38,5
RPU1001	RPU 125-6	1	125 A	1	0,14	75	27	45	42,5
RPU1005	RPU 160-10	1	160 A	1	0,23	71	45	43	38,5
RPU1006	RPU 160-6	1	160 A	1	0,24	90	35	50	46,5
RPU1010	RPU 250-11	1	250 A	1	0,43	96	45	50	46,5
RPU1015	RPU 400-11	1	400 A	1	0,44	96	45	50	46,5
RPU1020	RPU 500-11	1	500 A	1	0,45	96	45	50	45,0

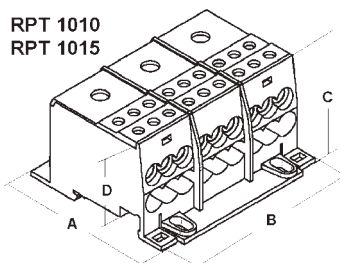
## ACCESSORY CONNECTORS

Code	Reference		In Amp	Use
RPC1000	RPC 125 A-2	10	125 A	Comb connector for parallel son RPU1001
RPC1005	RPC 250 A	10	250 A	Connector for rigid or flexible copper bar input on RPU1010
RPC1010	RPC 400 A	10	400 A	Connector for rigid or flexible copper bar on RPU1015





## 3-POLE FROM 125 AMP TO 160 AMP


Code	Reference		In Amp	Pole	A	B	C	D
RPT1010	RPT 125	1	125 A	3	71	80	43	38,5
RPT1015	RPT 160	1	160 A	3	71	80	43	38,5





Code	Type	in Amp	IN/OUT	Stripped cable mm <sup>2</sup>	Cable with ferrule mm <sup>2</sup>	Nr.	Ø mm	 Nm	I <sub>cw</sub> kA	I <sub>pk</sub> kA	U <sub>i</sub>
RPB1000	2-POLE 6 OUTPUTS	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3	4.2	20	500 V
			← OUT	2.5 ÷ 6	1.5 ÷ 6	5	5.5	2 - 3			
			← OUT	10 ÷ 25	6 ÷ 1.6	1	7.5	2 - 3			
RPB1005	2-POLE 14 OUTPUTS	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3	4.2	20	500 V
			IN - OUT ↔	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3			
			← OUT	2.5 ÷ 6	1.5 ÷ 6	11	5.5	2 - 3			
RPQ1000	4-POLE 6 OUTPUTS	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3	4.2	18	500 V
			← OUT	2.5 ÷ 6	1.5 ÷ 6	5	5.5	2 - 3			
			← OUT	10 ÷ 25	6 ÷ 1.6	1	7.5	2 - 3			
RPQ1005	4-POLE 10 OUTPUTS	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3	4.2	18	500 V
			IN - OUT ↔	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3			
			← OUT	10 ÷ 25	6 ÷ 1.6	2	7.5	2 - 3			
RPQ1010	4-POLE 14 OUTPUTS	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3	4.2	18	500 V
			IN - OUT ↔	10 ÷ 35	10 ÷ 25	1	9.0	2 - 3			
			← OUT	10 ÷ 25	6 ÷ 1.6	2	7.5	2 - 3			
RPQ1015	4-POLE 11 OUTPUTS	160	IN →	10 ÷ 50	10 ÷ 50	1	11.5	8-10	6.0	22	600 V
			← OUT	10 ÷ 35	10 ÷ 25	3	8.5	2 - 3			
			← OUT	2.5 ÷ 16	1.5 ÷ 16	8	7	2 - 3			
RPQ1020	4-POLE 11 OUTPUTS	160	IN →	10 ÷ 50	10 ÷ 35	1	11	2	6.2	20.2	600 V
			← OUT	10 ÷ 35	10 ÷ 25	3	8.5	1.5			
			← OUT	2.5 ÷ 16	1.5 ÷ 16	8	6.4	1.5			
RPQ1025	4-POLE COMPACT 7 OUTPUTS	100 / 125	IN →	6 ÷ 35	6 ÷ 25	1		1.5	4.2	24	690
			← OUT	1.5 ÷ 6	1.5 ÷ 6	5					
			← OUT	1.5 ÷ 16	1.5 ÷ 10	2					

Code	Type	in Amp	IN/OUT	Stripped cable mm <sup>2</sup>	Cable with ferrule mm <sup>2</sup>	Nr.	Ø mm	 Nm	I <sub>cw</sub> kA	I <sub>pk</sub> kA	U <sub>i</sub>
RPU0995	1-POLE 6 OUTPUTS	80	IN →	6 ÷ 16	6 ÷ 16	1		1.5	3.0	22	690 V
			← OUT	2.5 ÷ 6	2.5 ÷ 6	4		0.8			
			← OUT	2.5 ÷ 16	2.5 ÷ 16	2		1.5			
RPU1000	1-POLE 10 OUTPUTS	125	IN →	10 ÷ 35	10 ÷ 35	1		6	4.2	25	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	10		3			
			← OUT	10 ÷ 35	10 ÷ 35	1		3.5			
RPU1001	1-POLE 6 OUTPUTS	125	IN →	6 ÷ 16	6 ÷ 16	1		3.5	4.2	30	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	6		1.5			
			← OUT	10 ÷ 70	10 ÷ 70	1		6			
RPU1005	1-POLE 10 OUTPUTS	160	IN →	10 ÷ 70	10 ÷ 70	1		6	8.4	35	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	10		3			
			← OUT	10 ÷ 70	10 ÷ 70	1		5			
RPU1006	1-POLE 6 OUTPUTS	160	IN →	12 x 4	12 x 5	1		2	11.8	30	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	6		1.5			
			← OUT	35 ÷ 120	6 ÷ 25	2		19			
RPU1010	1-POLE 11 OUTPUTS	250	IN →	6 ÷ 35	6 ÷ 25	2		3.5	24.5	51	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	5		2			
			← OUT	2.5 ÷ 10	2.5 ÷ 10	4		2			
RPU1015	1-POLE 11 OUTPUTS	400	IN →	95 ÷ 185	25	1		25	24.5	51	690 V
			← OUT	6 ÷ 35	6 ÷ 25	2		3.5			
			← OUT	2.5 ÷ 16	2.5 ÷ 16	5		2			
RPU1020	1-POLE 11 OUTPUTS	500	IN →	25x5	24x6	1		3.5	24.5	51	690 V
			← OUT	6 ÷ 35	6 ÷ 25	2		3.5			
			← OUT	2.5 ÷ 16	2.5 ÷ 16	5		2			
← OUT	2.5 ÷ 10	2.5 ÷ 10	4		2						

Code	Type	in Amp	IN/OUT	Stripped cable mm <sup>2</sup>	Cable with ferrule mm <sup>2</sup>	Nr.	Ø mm	 Nm	I <sub>cw</sub> kA	I <sub>pk</sub> kA	U <sub>i</sub>
RPT1010	3-POLE 6 OUTPUT per phase	125	IN →	10 ÷ 35	10 ÷ 35	1 x 3		6	4.2	25	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	6 x 3		3			
RPT1015	3-POLE 6 OUTPUT per phase	160	IN →	10 ÷ 70	10 ÷ 70	1 x 3		6	8.4	35	690 V
			← OUT	2.5 ÷ 16	2.5 ÷ 16	6 x 3		3			

**I<sub>cc</sub> pk =** Short-circuit current peak value of short duration, equal to 200 mseconds, expressed in kAmperes  
**I<sub>cw</sub> =** Maximum short duration admissible current, equal to 200 mps, expressed in kA as per standard IEC 947-7-1  
**U<sub>i</sub> =** Insulation voltage