The TEKNOMEGA Ω BLOCK is a complete range and includes terminal board distribution units, both single block and compact. This allows making distribution units from 40 A up to 400 A.

Applications for their use include switchboards, automation and command panel boards and distribution panel boards.

Terminal board distribution blocks: from 40 A to 160 A, 2 and 4 pole, for use in applications where the effective short-circuit current value (**Icc eff.**), is kept within 10 kA. Equipped with a transparent protection screen between phases, at the front and bottom of the distribution unit, removable to tighten connections.

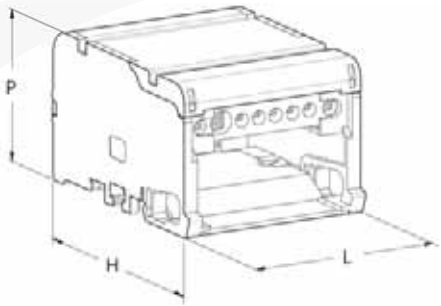
Recently introduced the **4-Pole Modular Up & Down Distribution Block** from **160 A**, these allow the user to simply manage situations where the installer must satisfy articulated mounting needs contained in the dimensions, for example when there are too many wiring inputs and outputs to be placed on one side of the block.

The **new 4-Pole Side Input Distribution Block** from **160 A** makes it possible to connect directly to the switch.

Compact distribution blocks: from 80 A to 400 A, 1 and 3 pole, to use in applications where the effective short-circuit current value (**Icc eff**) is higher than 10 kA. Registered as per UL standard. Wiring is made easy by guided accesses. High electrical insulation value. No protection to remove to tighten the connections.

Quick distribution unit blocks: 76 A, 1 and 2 pole. Quick indirect spring hook-up outputs, efficient and safe.

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



TECHNICAL FEATURES

Brass conductors
Galvanized steel screws included
Insulation between phases
Front removable protection screen
(except RPQ1025)
Self-extinguishing insulating structure : UL 94-V0
Quick hook-up on DIN rails
Compliant with standard IEC 947-7-1
Low voltage auxiliary equipment
terminal boards for copper conductors

2 POLE 40-80-100/125 A

Code	Reference		L (mm)	H (mm)	P (mm)	Fix. hole space (mm)
RPB0990	RPB 40-08	1	66	46	51	45
RPB0995	RPB 80-07	1	66	46	51	45
RPB1000	RPB 125-06	1	66	46	51	45
RPB1005	RPB 125-14	1	132	46	51	112

4 POLE 40-80-100/125 A

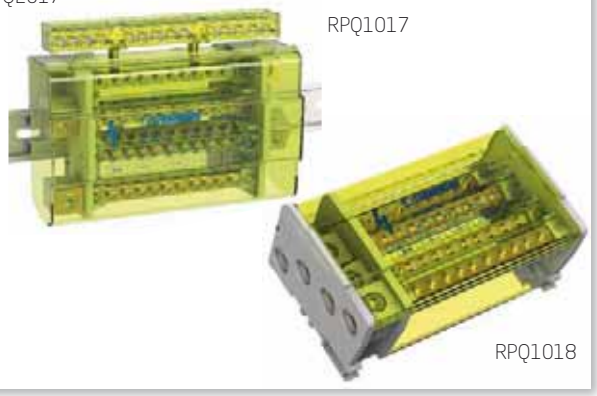
Code	Reference		L (mm)	H (mm)	P (mm)	Fix. hole space (mm)
RPQ0980	RPQ 40-08	1	66	84	50	45
RPQ0985	RPQ 40-14	1	100	84	50	80
RPQ0990	RPQ 80-07	1	66	84	50	45
RPQ0995	RPQ 80-12	1	100	84	50	80
RPQ1000	RPQ 125-06	1	66	84	50	45
RPQ1005	RPQ 125-10	1	100	84	50	80
RPQ1010	RPQ 125-14	1	132	84	50	112
RPQ1025	RPQ C-125	1	98	75	49	55

RPQ1025: Compact 4 pole distribution unit 125 A
7 outputs per phase
10 outputs for neutral
easy wiring
IP20

RPQ1015

RPQ1016

RPQ2017

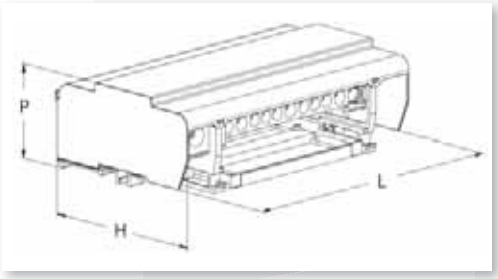


RPQ1017

RPQ1018

TECHNICAL FEATURES

Brass conductors
Galvanized steel screws included
Insulation between phases
Front removable protection screen
Self-extinguishing insulating structure : UL 94-V0
Quick hook-up on DIN rails
Compliant with standards IEC 947-7-1



ADVANTAGES

Separate inputs
Forged conductors
Easy wiring: RPQ1015, RPQ1018
Modular depth: RPQ1016, RPQ1017

RPQ1016: Version Up & Down: connection of 2 phases on each side

RPQ1018: Version Side Input: inputs orthogonal to outputs

4 POLE 160 A

Code	Reference		L (mm)	H (mm)	P (mm)	Fix. hole space
RPQ1015	RPQ 160-11	1	168	85	70	150
RPQ1016	RPQ 160-11-U&D	1	176	105	55	163
RPQ1017	RPQ 160-11 MS	1	176	105	55	163
RPQ1018	RPQ 160-11 SI	1	154	95	67	135

TECHNICAL FEATURES

Designed for RPQ1017
Brass conductors
Galvanized steel screws included
Self-extinguishing insulating structure: UL 94-V0

ADVANTAGES

Improved wiring capacity
Strong mechanical assembly
Direct electrical connection

NEUTRAL BAR

Code	Reference		L (mm)	H (mm)	P (mm)	I (mm)
RPQ2017	RPN 160-14	1	161	27	17	57

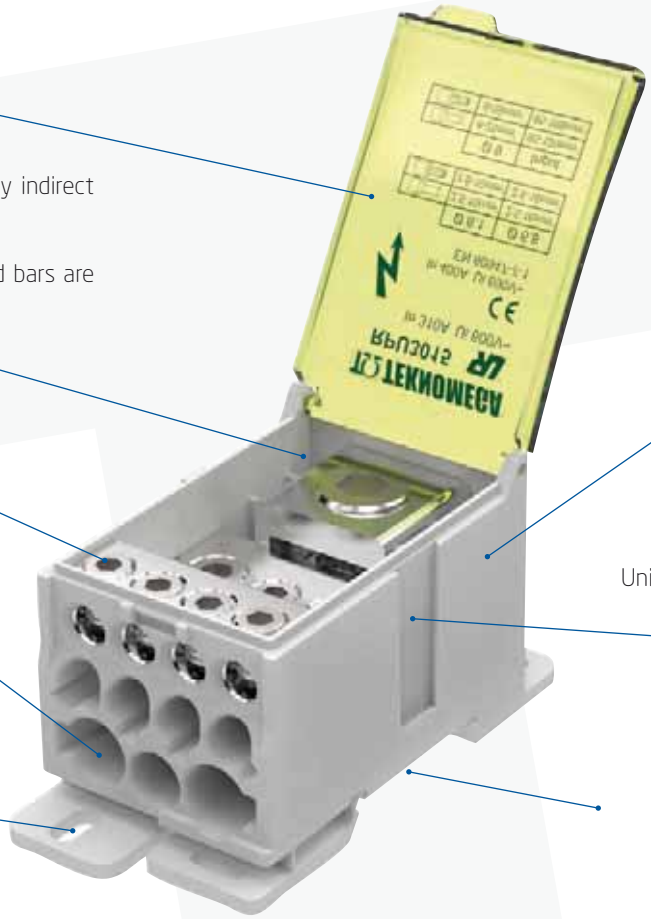
TECHNICAL DATA

Code	Type	In (A)	IN/OUT	Stripped wire (mm²)	Wire with ferrule (mm²)	No.	ø (mm)	(Nm)	Icw (kA)	Ipk (kA)	Ui (V)
RPB0990	2 POLE 8 outputs	40	IN →	2,5 ÷ 6	1,5 ÷ 6	1	5,5	2 - 3	4,2	20	500
			← OUT	2,5 ÷ 6	1,5 ÷ 6	1	5,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	4	4	2 - 3			
			← OUT	1,5 ÷ 2,5	1,5 ÷ 2,5	3	3	2 - 3			
RPB0995	2 POLE 7 outputs	80	IN →	10 ÷ 25	6 ÷ 16	1	7,5	2 - 3	4,5	20	500
			← OUT	1,5 ÷ 4	1,5 ÷ 4	5	4,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	2	5	2 - 3			
RPQ0980	4 POLE 8 outputs	40	IN →	2,5 ÷ 6	1,5 ÷ 6	1	5,5	2 - 3	4,2	20	500
			← OUT	2,5 ÷ 6	1,5 ÷ 6	1	5,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	4	4	2 - 3			
			← OUT	1,5 ÷ 2,5	1,5 ÷ 2,5	3	3	2 - 3			
RPQ0985	4 POLE 14 outputs	40	IN →	2,5 ÷ 6	1,5 ÷ 6	1	5,5	2 - 3	4,2	20	500
			← OUT	2,5 ÷ 6	1,5 ÷ 6	1	5,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	7	4,0	2 - 3			
			← OUT	1,5 ÷ 2,5	1,5 ÷ 2,5	6	3	2 - 3			
RPQ0990	4 POLE 7 outputs	80	IN →	10 ÷ 25	6 ÷ 16	1	7,5	2 - 3	4,5	20	500
			← OUT	1,5 ÷ 4	1,5 ÷ 4	5	4,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	2	5	2 - 3			
RPQ0995	4 POLE 12 outputs	80	IN →	10 ÷ 25	6 ÷ 16	1	7,5	2 - 3	4,5	20	500
			← OUT	10 ÷ 25	6 ÷ 16	1	7,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	8	4,5	2 - 3			
			← OUT	1,5 ÷ 4	1,5 ÷ 4	2	5	2 - 3			
			← OUT	4 ÷ 10	2,5 ÷ 6	1	6	2 - 3			
RPB1000	2 POLE 6 outputs	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3	4,2	20	500
			← OUT	2,5 ÷ 6	1,5 ÷ 6	5	5,5	2 - 3			
			← OUT	10 ÷ 25	6 ÷16	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
			← OUT	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3			
			← OUT	2,5 ÷ 6	1,5 ÷ 6	11	5,5	2 - 3			
			← OUT	10 ÷ 25	6 ÷16	2	7,5	2 - 3			
RPQ1000	4 POLE 6 outputs	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3	4,2	20	500
			← OUT	2,5 ÷ 6	1,5 ÷ 6	5	5,5	2 - 3			
			← OUT	10 ÷ 25	6 ÷16	1	7,5	2 - 3			
RPQ1005	4 POLE 10 outputs	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3	4,2	20	500
			← OUT	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3			
			← OUT	10 ÷ 25	6 ÷16	2	7,5	2 - 3			
			← OUT	2,5 ÷ 6	1,5 ÷ 6	7	5,5	2 - 3			
RPQ1010	4 POLE 14 outputs	100 / 125	IN →	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3	4,2	20	500
			← OUT	10 ÷ 35	10 ÷ 25	1	9,0	2 - 3			
			← OUT	10 ÷ 25	6 ÷16	2	7,5	2 - 3			
			← OUT	2,5 ÷ 6	1,5 ÷ 6	11	5,5	2 - 3			
RPQ1015	4 POLE 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	11,5	8 -10	9	22	600
			← OUT	10 ÷ 35	10 ÷ 25	3	8,5	2 - 3			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	8	7	2 - 3			
RPQ1016 RPQ1017	4 POLE Modular 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	11,5	8 - 10	9	22	600
			← OUT	10 ÷ 35	10 ÷ 16	3	8,5	2 -3			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	8	7	2 -3			
RPQ2017	NEUTRAL 14 outputs	160	← OUT	10 ÷ 35	10 ÷ 16	4	8,5	2 -3	9	22	600
			← OUT	2,5 ÷ 16	1,5 ÷ 16	10	7	2 -3			
RPQ1018	4 POLE Side Input 11 outputs	160	IN →	10 ÷ 50	10 ÷ 50	1	12	8 - 10	9	22	600
			← OUT	10 ÷ 35	10 ÷ 25	3	8,5	2 - 3			
			← OUT	2,5 ÷ 16	1,5 ÷ 16	8	7	2 - 3			
RPQ1025	4 POLE Compact 7 outputs	100 / 125	IN →	6 ÷ 35	6 ÷ 25	1	8,5	1,5	4,2	24	690
			← OUT	1,5 ÷ 6	1,5 ÷ 6	5	5,5	0,8			
			← OUT	1,5 ÷ 16	1,5 ÷ 10	2	6	1,5			

Icc pk = Short-circuit current peak value expressed in kA
Icw = Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard IEC 947-7-1
Ui = Nominal insulation voltage

Direct connection with Ω FLEX BFX

Parallel interconnection (Unipolar blocks 125-160 A)



Opening and removing front protection cover

Milled clamp for input connections by indirect tightening:
- highly reliable connection
- flat conductors i.e. flexible and rigid bars are allowed

Effective tightening by means of hexagonal socket set screws

Guided access of cables

Mounting on steel plate by screws

Body structure with high dielectric features

Unipolar blocks allow adjacent fixing by means of a pre-mounted clip

Direct mounting on DIN rail

TECHNICAL FEATURES

Insulating body: PA 66 UL 94-V0, gray RAL 7035
Cover: PC UL 94-V0, transparent yellow
Conduction block:
- Tinned copper (RPU2995-RPU3000-RPU3005-RPU3015)
- Brass (RPU3010-RPT3000-RPT3005)

Clamps: Galvanized steel and Al alloy
Screws: Galvanized steel
Index Protection IP20
Compliant with standard EN 60947-7-1
UL 1059 standard recognized.

RANGE
1 pole: 80 - 125 -160 - 250 - 400 A
3 pole: 125 - 160 A

file n° 302208

RPU 80-6 S

RPU 125-8 S
RPU 160-8 S

RPU 250-11 S
RPU 400-11 S

RPT 125-6 S
RPT 160-6 S

1 POLE

Code	Reference		In (A)		Weight (Kg)	A (mm)	B (mm)	C (mm)
			IEC/EN	UL				
RPU2995	RPU 80-6 S	1	**80**	85	0,071	66	30	46
RPU3000	RPU 125-8 S	1	**125**	130	0,162	75	40	48
RPU3005	RPU 160-8 S	1	**160**	175	0,166	75	40	48
RPU3010	RPU 250-11 S	1	**250**	230	0,331	96	47	50
RPU3015	RPU 400-11 S	1	**400**	310	0,358	96	47	50

3 POLE

Code	Reference		In (A)		Weight (Kg)	A (mm)	B (mm)	C (mm)
			IEC/EN	UL				
RPT3000	RPT 125-6 S	1	**125**	130	0,331	75	85	48
RPT3005	RPU 160-6 S	1	**160**	175	0,354	75	85	48

TECHNICAL DATA

Code	Type	IN/OUT	Ω FLEX* L (mm)	Stripped wire (mm²)	Wire with ferrule (mm²)	No.	Dim. (mm)	(Nm)	Icw (kA)	Ipk (kA)	Ui (V)	
											IEC/EN	UL
RPU2995	1 Pole 6 outputs 80 A	IN	-	6 ÷ 16	6 ÷ 16	1	ø 6,8	2	3,0	22	690	600
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	2	ø 6,8	2				
		OUT	-	2,5 ÷ 6	2,5 ÷ 6	4	ø 4,5	1				
RPU3000	1 Pole 8 outputs 125 A	IN	9	10 ÷ 35	10 ÷ 35	1	11x9	6	4,4	30	690	600
		IN/OUT	-	6 ÷ 16	6 ÷ 16	1	8,7x6	3				
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	8	ø 6,8	3				
RPU3005	1 Pole 8 outputs 160 A	IN	9-13	10 ÷ 70	10 ÷ 50	1	13,5x11,5	10	11	30	690	600
		IN/OUT	-	6 ÷ 16	6 ÷ 16	1	8,7x6	3				
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	8	ø 6,8	3				
RPU3010	1 Pole 11 outputs 250 A	IN	13-15,5	35 ÷ 120	35 ÷ 95	1	16x14	14	21	51	1000	600
		OUT	-	6 ÷ 35	6 ÷ 25	2	ø 9	10				
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	5	ø 6,8	6				
		OUT	-	2,5 ÷ 10	2,5 ÷ 10	4	ø 6,1	3				
RPU3015	1 Pole 11 outputs 400 A	IN	15,5-20	95 ÷ 185	95 ÷ 120	1	20,5x16	25	21	51	690	600
		OUT	-	6 ÷ 35	6 ÷ 25	2	ø 9	10				
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	5	ø 6,8	6				
		OUT	-	2,5 ÷ 10	2,5 ÷ 10	4	ø 6,1	3				
RPT3000	3 Pole 6 outputs 125 A	IN	9	10 ÷ 35	10 ÷ 35	1	11x9	6	4,4	30	690	600
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	6	ø 6,8	3				
RPT3005	3 Pole 6 outputs 160 A	IN	9-13	10 ÷ 70	10 ÷ 50	1	13,5x11,5	10	11	30	690	600
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	6	ø 6,8	3				

Icc pk = Short-circuit current peak value expressed in kA
Icw = Effective value of short-circuit current, duration equal to 1 second, expressed in kA as per standard IEC 947-7-1
Ui = Nominal insulation voltage
* See Ω FLEX technical features