

# Components for low voltage panel boards



ELECTRICAL DISTRIBUTION



AUTOMATION AND CONTROL



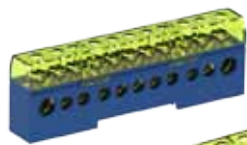
OEM



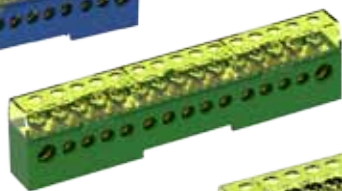
Products  
catalogue

**TEKNO**MEGA<sup>®</sup>

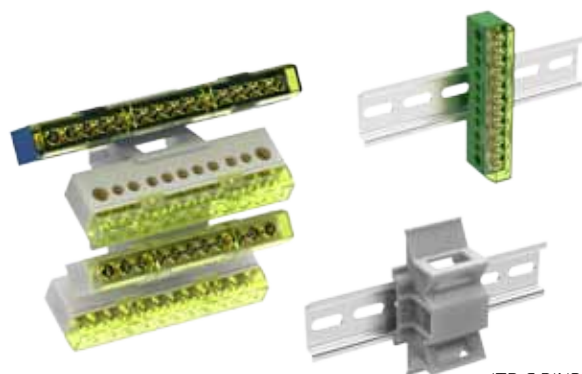
ITB 80-11 B



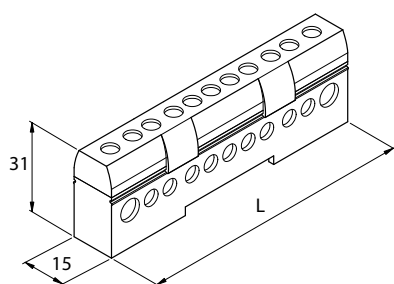
ITB 80-15 G



ITB 80-7 W



ITB-S DIN35



## TECHNICAL FEATURES

**Insulating body:** PA 66 UL 94-V0, Grey RAL 7035 - Blue RAL 5012 - Green RAL 6024.

**Cover:** PC UL 94-V0, transparent yellow.

**Conduction block:** Brass.

**Screws:** Galvanized steel.

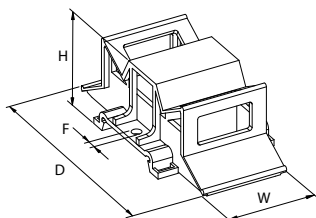
Direct mounting on DIN rail.

Nominal insulation voltage: 500 V.

Compliant with standard EN 60947-7-1.

## 1 POLE 80 A

Code	Reference	Colour		Weight (Kg)	L (mm)	∅ holes (mm)	n° holes	Stripped wire (mm²)	Wire with ferrule (mm²)	⌀ (Nm)
<b>ITB1000</b>	ITB 80-7 W	Grey	10	0,046	63	7,5	2	4 ÷ 16	2,5 ÷ 16	2
<b>ITB1015</b>	ITB 80-7 B	Blue				5,5	5	2,5 ÷ 6	1,5 ÷ 6	1,5
<b>ITB1030</b>	ITB 80-7 G	Green				7,5	2	4 ÷ 16	2,5 ÷ 16	2
<b>ITB1005</b>	ITB 80-11 W	Grey	10	0,070	95	5,5	9	2,5 ÷ 6	1,5 ÷ 6	1,5
<b>ITB1020</b>	ITB 80-11 B	Blue				7,5	2	4 ÷ 16	2,5 ÷ 16	2
<b>ITB1035</b>	ITB 80-11 G	Green				5,5	13	2,5 ÷ 6	1,5 ÷ 6	1,5
<b>ITB1010</b>	ITB 80-15 W	Grey	10	0,094	125	7,5	2	4 ÷ 16	2,5 ÷ 16	2
<b>ITB1025</b>	ITB 80-15 B	Blue				5,5	13	2,5 ÷ 6	1,5 ÷ 6	1,5
<b>ITB1040</b>	ITB 80-15 G	Green								



## TECHNICAL FEATURES

**Material:** PA 66 UL 94-V0, grey RAL 7035.

Direct mounting on DIN rail.

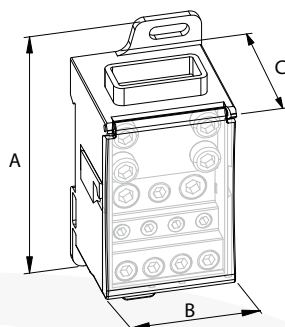
Mounting on steel plate by screws M4.

## ADVANTAGE

Up to 4 ITB terminal blocks can be mounted on the support it is possible to create distribution blocks of 2P, 3P or 4P.

## 1 POLE 80 A SUPPORT

Code	Reference		W (mm)	H (mm)	D (mm)	F (mm)	Fix. Hole space (mm)
<b>ITB2000</b>	ITB-S DIN35	10	35	31	90	4	40



## TECHNICAL FEATURES

**Insulating body:** PA 66 UL 94-V0, grey RAL 7035.

**Cover:** PC UL 94-V0, transparent yellow.

**Conduction block:** Tinned copper.

**Clamp:** Galvanized steel.

**Screws:** Galvanized steel.

Index Protection: IP20

Compliant with standard EN 60947-7-1.

Direct connection with Ω FLEX BFX.

## UNIPOLAR DISTRIBUTION BLOCK 500 A

Code	Reference		In (A)	Weight (kg)	A (mm)	B (mm)	C (mm)
<b>RPU3020</b>	RPU 500-11	1	<b>500</b>	0,450	96	47	50

## TECHNICAL DATA

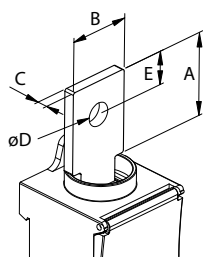
Code	Type	IN/OUT	Ω FLEX* L (mm)	Stripped wire (mm <sup>2</sup> )	Wire with ferrule (mm <sup>2</sup> )	Nr	Dim. (mm)	(Nm)	Icw (kA)	Ipk (kA)	Ui (V)
<b>RPU3020</b>	1 Pole 11 outputs 500 A	IN	15,5÷24	-	-	1	24x9	6	21	51	690
		OUT	-	6 ÷ 35	6 ÷ 25	2	ø 9	10			
		OUT	-	2,5 ÷ 16	2,5 ÷ 16	5	ø 6,8	6			
		OUT	-	2,5 ÷ 10	2,5 ÷ 10	4	ø 6,1	3			

**Icc pk** = Short-circuit current peak value.

**Icw** = Effective value of short-circuit current, duration equal to 1 second, as per standard EN 60947-7-1.

**Ui** = Nominal insulation voltage.

\* See Ω FLEX BFX technical features.



RPU3015

## TECHNICAL FEATURES

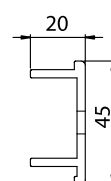
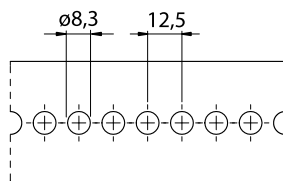
**Material:** Tinned copper  
connection with flexible and solid copper bars  
direct connection between distribution block and switch.

## TERMINAL ENTRY FOR RPU3015

Code	Reference		In (A)	Weight (kg)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
<b>RPC3015</b>	RPC 400A	10	<b>400</b>	0,098	40	30	5	11	16

# Ω TOP - Universal bar support

## BAR SUPPORTS



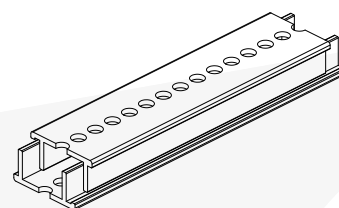
file n° E300607

### SUPPORT RAIL

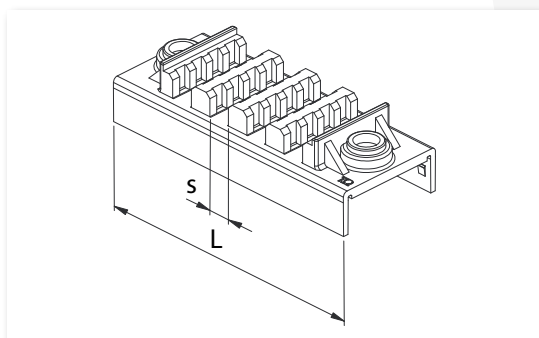
Code	Reference		Weight (Kg)
<b>TOP1000</b>	TOP PR2000	2	1,2

**Material:** Non-magnetic aluminium EN AW-6060

- one code for all configurations
- pre-punched with 12.5 mm hole pitch
- length 2 meters
- used in pairs, thanks to the asymmetric shape, it forms a high mechanical resistance structure (for high horizontal loads).



TOP 4/10T




### TECHNICAL FEATURES

For 10 mm thick bars  
it allows the building of a bar support with up to 4 bars  
per phase with a T (tri-phase) or T + N (tri-phase + neutral).

#### Insulating blocks

PA 66 reinforced 30% Fiberglass.  
Self-extinguishing UL 94-V0.  
Colour: black.  
Halogen Free.

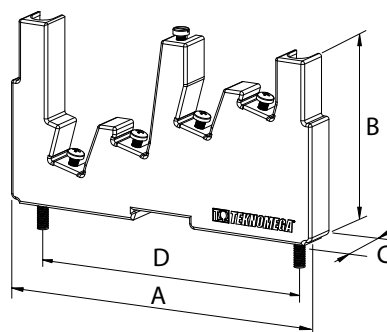
### BLOCKS AND SCREW SET Ω TOP 4/10

Code	Reference		Type	n° blocks	n° tie-rods	n° bars	s (mm)	bar min-max H (mm)	L (mm)
<b>TOP1052</b>	TOP 4/10T	1	T	6	6	1÷4	10	30-120	125
<b>TOP1053</b>	TOP 4/10TN	1	T+N	8	8	1÷4	10	30-120	125

**Example:** to make a bar support in 3-pole + Neutral (TN).

**Select:** Aluminium rail.  
Set of blocks and screws.

**NOTE:** use our software **Ωware** to calculate the distance between the supports.




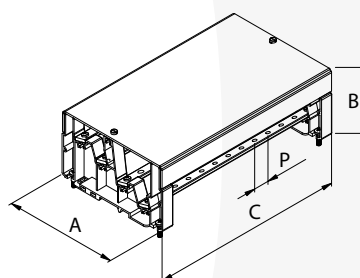
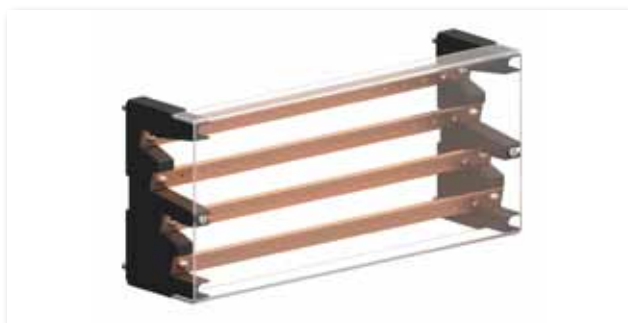
## TECHNICAL FEATURES

Polyamide 66 reinforced with 30% fiberglass  
Self-extinguishing UL 94-V0  
Halogen free  
Black colour  
Working temperature: -40°C to + 130°C  
Continuous working temperature: +125°C  
Softening temperature: +250°C  
Glow wire test: 960°C


Direct mounting on DIN rail  
complete with screws and nuts for  
- fixing on panels  
- fixing on bars  
- protection screen.

## DISTRIBUTION BLOCK SUPPORT

Code	Reference		Type	A (mm)	B (mm)	C (mm)	D (mm)
<b>PSP1002</b>	PSP 250 HP	1	T+N	190	104,5	20	162,5



## REPARTITION SUPPORTS IN KIT

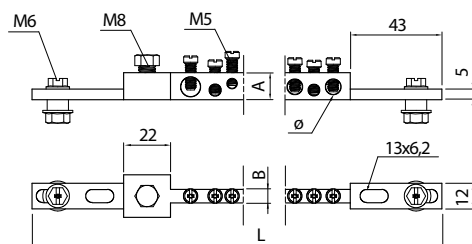
Code	Reference		In (A)	Icc rms (kA)	Bars cross- section	A	B	C	P	Number of		Type of support	n° supports
						(mm)				inputs	outputs		
<b>PSP1032</b>	PSP 160K-32	1	160	10	15 x 5	190	108	320	25	1 x Ø 8,5	10 x M6	PSP1002	2
<b>PSP1038</b>	PSP 250K-42	1	250	10	20 x 5	190	108	420	25	1 x Ø 8,5	14 x M6	PSP1002	2

**The power inputs of distribution units in KIT form can be placed left or right.**

Repartition supports in KIT form include all that is needed to make the distribution unit.

**The KIT is made of:**



- copper bars (section, length and number of holes as per above table), complete with screws and washers for connection
- distribution unit supports
- flat protection screen with preformed bends and fixing holes.

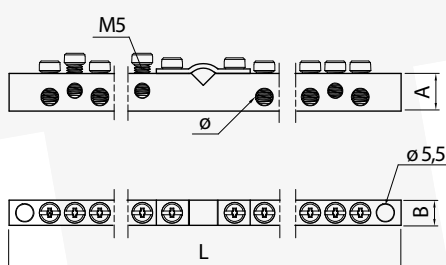
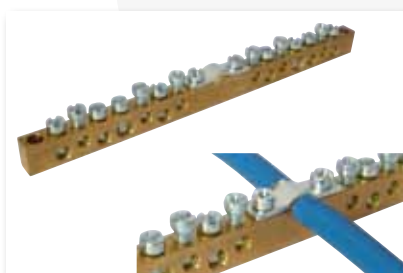


## TECHNICAL FEATURES

**Material:** brass.  
Connection with cable lug up to 95mm<sup>2</sup>  
Universal fixing with 2 eyelet holes:  
Direct Fixing,  
Fixing on Copper Bar,  
Fixing on Spacers and  
extension 2 connectors.  
Complete with fixings and  
connection screws in galvanized steel.

## EARTHING TERMINALS WITH CONNECTIONS FOR HOUSING



Code	Reference		Weight (Kg)	L (mm)	A (mm)	B (mm)	Ø holes (mm)	n° holes	Stripped wire (mm <sup>2</sup> )	Wire with ferrule (mm <sup>2</sup> )	 (Nm)
<b>MRS5002</b>	MRS 13-6-41	1	0,350	462	13	6	9,1	1	16 ÷ 35	10 ÷ 35	2
							7,0	7	4 ÷ 16	2,5 ÷ 16	2
							5,3	19	2,5 ÷ 6	1,5 ÷ 6	1,5
							4,5	14	1,5 ÷ 4	0,75 ÷ 4	1,5
<b>MRS5005</b>	MRS 13-6-56	1	0,330	462	13	6	9,1	1	16 ÷ 35	10 ÷ 35	2
							7,0	1	4 ÷ 16	2,5 ÷ 16	2
							4,5	54	1,5 ÷ 4	0,75 ÷ 4	1,5



## TECHNICAL FEATURES

**Material:** brass.  
Connection with cable collar up to 25 mm<sup>2</sup>.  
Ends with holes for easier fixing.  
Complete with connection screws in galvanized steel.

## EARTHING TERMINALS

Code	Reference		Weight (Kg)	L (mm)	AxB (mm)	n° inputs	Ø (mm)	n° holes	Stripped wire (mm <sup>2</sup> )	Wire with ferrule (mm <sup>2</sup> )	 (Nm)
<b>MRS4000</b>	MRS 12X8-14	10	0,125	165	12x8	1	7,0	2	4 ÷ 16	2,5 ÷ 16	2
							5,3	6	2,5 ÷ 6	1,5 ÷ 6	1,5
							4,5	6	1,5 ÷ 4	0,75 ÷ 4	1,5
<b>MRS4005</b>	MRS 12X8-28	10	0,240	312	12x8	2	7,0	4	4 ÷ 16	2,5 ÷ 16	2
							5,3	12	2,5 ÷ 6	1,5 ÷ 6	1,5
							4,5	12	1,5 ÷ 4	0,75 ÷ 4	1,5
<b>MRS4010</b>	MRS 12X8-42	5	0,358	462	12x8	3	7,0	6	4 ÷ 16	2,5 ÷ 16	2
							5,3	18	2,5 ÷ 6	1,5 ÷ 6	1,5
							4,5	18	1,5 ÷ 4	0,75 ÷ 4	1,5

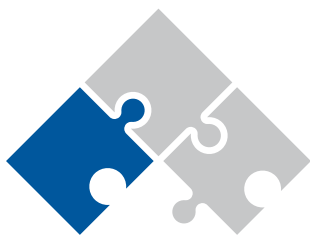




**Software for the selection of products of Panel Board Division.**

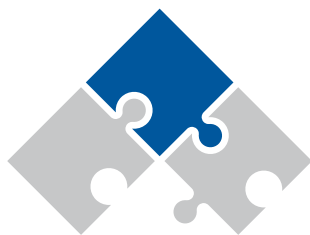
## **Precise engineering is not a luxury. It is a necessity.**

Choosing the perfect product for your installation with the best technical know how for your installation conditions, confronting it with similar products evaluating both technical and economical advantages.  
Keeping up to date with new products, technical datasheets and assembly instructions.  
All that and much more with our software Ω WARE.



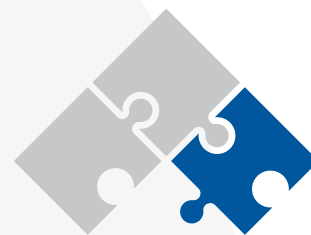
### **DESIGN**

estimate of electrical parameters/assisted  
selection of product sizing (conductors,  
bar supports, insulators)



### **BUDGETING**

access to price list/product list  
configuration/comparison with alternative  
solutions



### **CATALOGUE**

direct access to technical  
datasheets and  
assembly instructions

**Available for free at [www.teknomega.com](http://www.teknomega.com)**



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