

## Bar supports

### APPLICATIONS

**TEKNOMEGA** bar supports make it possible to support efficiently and conveniently all copper and/or aluminum bar systems to be made inside an electric cabinet.

The versatility and universality of our bar supports allows the panel board fitter to easily handle the few references to make a wide range of configurations in any type of panel board metalwork. **TEKNOMEGA** dedicated particular attention on the efficiency and safety of these products, carrying out **TYPE TESTS** on all the hereindicated references as per the requirements of the reference standards at acknowledged laboratories.

### ADVANTAGES

Complete range to support side and level bars  
 For copper and aluminum bars  
 Can be used on the following thicknesses:  
 5 and 10 mm for side bar support  
 from 4 to 14 mm for level bar support  
 For systems up to 3,200 Amp

Maximum versatility of use and application  
 Quick and simplified Universal fitting

Tested and certified in compliance with standards IEC 439-1

Tested IEC 439-1



# Ω TOP - Universal bar support

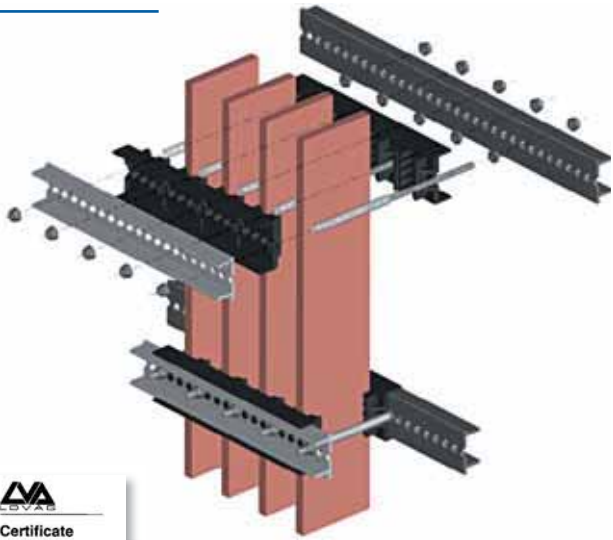
## TECHNICAL FEATURES

- Distance between adjustable phases
- Exceptional resistance to short-circuits
- High versatility
- Sets of blocks with screws
- Prepunched support channels in non-magnetic aluminum
- Ampacities from 400 to 3,200 Amp
- Rod thickness from 5 to 10 mm

- Insulating blocks**
- Made in reinforced PA
- 30% Fiberglass
- Self-extinguishing UL 94V0
- Color: black

- Channel**
- Non-magnetic in aluminum alloy
- EN AW-6060

**Certifications:**  
 Ω TOP was tested in laboratory  
**CERTIFIED ACAE-LOVAG**  
 as per standard IEC 439-1  
 Mechanical resistance tests on insulating block



# Ω TOP - Universal bar support



The Ω TOP bar support is built using two references only:

- 1) aluminum support and fitting channel.
- 2) set of blocks/screws with all that is needed to make a bar support.

There are also some pre-assembled bar support for panel boards 400 and 600 mm depth, as well as accessories such as:

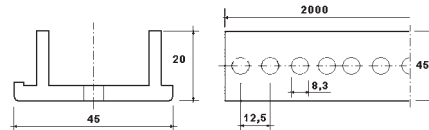
- rilsan tube advised for configurations with minimum spacing between phases
- brackets for horizontal omnibus and vertical busbar (to be used also to compensate the offset between different bar systems.)

## SUPPORT CHANNEL

- one single code for all configurations
- made in aluminum, prepunched with 12.5 mm pitch
- length 2 meters

- used, double thanks to the asymmetric shape, it forms a high mechanical resistance structure (for high horizontal loads)

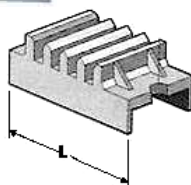
Code	Reference		Weight Kg.
TOP1000	TOP PR 2000	2	1.306



## BLOCKS & SCREW SET

The set is made of insulating blocks for 5 to 10-mm thick bars and of all the screws and tie-rods needed to make a T- (3-pole) or T+N-configured (3-pole+neutral) bar support

**Example:** to make a bar support in 3-pole+Neutral(TN), with 2 bars per phase, 10-mm (2/10) thick = 2/10 TN  
 Select: Aluminum channel **TOP1000**  
 Set of blocs & screws **TOP1040**



Code	Reference		Type	Total Nr. blocks	Nr. tie-rods	Nr. bars	Thk. mm	bar min-max H mm	L mm
TOP1005	TOP 2/5T	1	T	6	4	1÷2	5	30-125	50
TOP1010	TOP 2/5TN	1	T+N	8	5	1÷2	5	30-125	50
TOP1015	TOP 4/5T	1	T	6	4	1÷4	5	30-125	75
TOP1020	TOP 4/5TN	1	T+N	8	5	1÷4	5	30-125	75
TOP1025	TOP 1/10T	1	T	6	4	1	10	30-120	50
TOP1030	TOP 1/10TN	1	T+N	8	5	1	10	30-120	50
TOP1035	TOP 2/10T	1	T	6	4	1÷2	10	30-120	75
TOP1040	TOP 2/10TN	1	T+N	8	5	1÷2	10	30-120	75
TOP1045	TOP 3/10T	1	T	6	4	1÷3	10	30-120	100
TOP1050	TOP 3/10TN	1	T+N	8	5	1÷3	10	30-120	100

## PRE-ASSEMBLED BAR SUPPORT

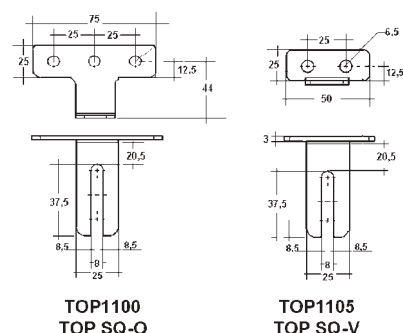
Code	Reference		Type
TOP1060	TOP 2/5TN-400	1	T+N
TOP1065	TOP 1/10TN-400	1	T+N
TOP1070	TOP 2/5TN-600	1	T+N
TOP1075	TOP 2/10TN-600	1	T+N



## ACCESSORIES

- TOP TI Rilsan tube for tie-rod insulation
- TOP SQ-O Bracket for horizontal busbar
- TOP SQ-V Bracket for vertical busbar

Code	Reference	
TOP1055	TOP TI	100
TOP1100	TOP SQ-O	10
TOP1105	TOP SQ-V	10





# Ω TOP - Universal bar support (tables of distances)

## Distance between support depending on I<sub>cc</sub> (short-circuit current)

I<sub>cc</sub> pk = Short-circuit current peak value of short duration, equal to 200 mseconds, expressed in kAmperes

I<sub>cc</sub> rms = Effective value of short-circuit current, duration equal to 1 second, expressed in kAmperes

## INFORMATION FOR ASSEMBLY

- The first and last bar support must be assembled at a distance from the bar extremities not exceeding 1/4 of the distance requested between both supports.
- In some minimum phase spacing configurations, it might be difficult for the internal phases to insert the screws; one should do one phase at a time.
- In minimum phase spacing configurations, one should use the TOP1055 RILSAN tube to insulate the tie-rod.
- In horizontal configurations starting from copper 80x10 bar nr. 2 or 50x10 bar nr. 3 per phase, one should use the DOUBLE aluminum channel (i.e. two coupled channels, one inside the other, to create a kind of square pipe with significant mechanical rigidity (cf. picture on page 21).

### Ω TOP 3 / 10 >> 3 BARS PER PHASE

Minimum spacing between phases: 100 mm

I <sub>cc</sub> kA pk		53				74				110				143				165				187				220			
I <sub>cc</sub> kA eff. 1s		25				35				50				65				75				85				100			
Spacing between phases mm		100	125	150	175	100	125	150	175	100	125	150	175	100	125	150	175	100	125	150	175	100	125	150	175	100	125	150	175
BAR CROSS SECTION	30x10	670	700	710	710	490	505	505	505	330	335	340	340	250	260	260	260	220	225	225	225	190	200	200	200	165	170	170	170
	40x10	810	840	860	860	580	610	615	615	385	410	410	410	300	310	315	315	260	270	275	275	230	240	240	240	175	205	205	205
	50x10	930	975	1000	1000	585	700	715	715	450	465	470	480	345	360	370	370	300	315	320	320	245	275	280	280	180	215	240	240
	60x10	1050	1150	1200	1200	780	810	840	850	500	510	520	535	400	420	435	440	325	365	375	380	255	315	330	335	180	225	270	280
	80x10	1300	1200	1200	1200	900	950	975	1000	500	510	525	535	410	470	495	500	335	385	430	455	260	320	360	400	190	230	270	315
	100x10	1300	1400	1400	1400	1200	1200	1200	1200	505	515	525	535	420	480	495	500	350	395	440	480	275	330	375	410	200	240	280	325
	120x10	1300	1400	1400	1400	1200	1200	1200	1200	505	515	525	535	435	485	495	500	360	405	445	480	285	340	380	415	200	240	280	325

### Ω TOP 2 / 10 >> 2 BARS PER PHASE

Minimum spacing between phases: 75 mm

I <sub>cc</sub> kA pk		53				74				110				143				165				187			
I <sub>cc</sub> kA eff. 1s		25				35				50				65				75				85			
Spacing between phases mm		75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150	75	100	125	150
BAR CROSS SECTION	30x10	530	570	590	590	380	400	425	425	255	275	280	285	190	215	220	220	170	180	190	190	130	155	160	165
	40x10	620	680	710	720	460	480	500	510	310	330	340	350	220	250	260	270	170	210	225	225	130	170	200	205
	50x10	740	790	820	840	510	525	540	570	350	380	390	410	235	290	305	315	175	220	265	270	135	175	215	240
	60x10	860	920	960	1000	510	530	545	630	385	440	460	480	245	310	350	370	180	235	275	300	140	180	220	260
	80x10	1020	1050	1100	1200	510	530	545	630	395	450	495	495	255	325	375	420	190	240	285	315	150	190	230	270
	100x10	1230	1300	1350	1400	520	535	555	640	410	470	495	505	275	335	385	425	205	250	305	350	160	200	230	280
	120x10	1230	1300	1350	1400	520	535	560	650	435	490	495	505	285	345	390	435	215	265	315	360	160	205	235	280

### Ω TOP 1 / 10 >> 1 BAR PER PHASE

Minimum spacing between phases: 50 mm

I <sub>cc</sub> kA pk		53				74				110				143			
I <sub>cc</sub> kA eff. 1s		25				35				50				65			
Spacing between phases mm		50	75	100	125	50	75	100	125	50	75	100	125	50	75	100	125
BAR CROSS SECTION	30x10	455	550	560	720	325	400	460	520	220	265	310	350	170	205	240	260
	40x10	530	650	750	835	380	460	530	600	255	310	360	400	195	240	275	310
	50x10	545	720	830	935	425	520	560	670	285	350	400	450	195	265	310	345
	60x10	545	810	940	1050	480	525	560	750	320	390	450	505	195	295	345	390
	80x10	545	915	1055	1210	500	525	560	850	335	440	495	505	195	295	360	410
	100x10	545	1025	1200	1410	500	525	560	955	335	440	495	505	200	275	375	425
	120x10	545	1135	1370	1605	500	525	560	1030	335	440	495	505	200	275	375	425

**NB.** The distances between supports (in mm) are computed considering the yield stress of copper; the indicated values therefore prevent permanent deformation of the copper bars when stressed by short-circuit conditions.

# Ω TOP - Universal bar support (tables of distances)



## Distance between support depending on Icc (short-circuit current)

Icc pk = Short-circuit current peak value of short duration, equal to 200 mseconds, expressed in kAmpere

Icc rms = Effective value of short-circuit current, duration equal to 1 second, expressed in kAmpere

### Ω TOP 4 / 5 >> 4 BARS PER PHASE

Minimum spacing between phases: 75 mm

Icc kA pk	53				74				110				143				165															
Icc kA eff.1s	25				35				50				65				75															
Spacing between phases mm	75				100				125				150				75				100				125				150			
	BAR CROSS SECTION	30x5	330	330	330	330	235	235	235	235	155	160	160	160	120	120	120	120	105	105	105	105										
40x5		400	410	410	410	285	295	295	295	190	195	195	195	145	150	150	150	125	130	130	130											
50x5		465	485	485	485	330	350	350	350	220	235	235	235	170	180	180	180	145	155	155	155											
63x5		545	575	585	585	370	390	420	420	260	275	280	280	200	210	215	215	165	185	185	185											
80x5		650	685	710	710	375	405	470	510	310	330	340	340	230	250	260	260	170	215	225	225											
100x5		770	820	860	890	380	415	600	615	345	350	360	365	245	280	310	315	180	230	260	275											
125x5		960	1030	1080	1120	380	445	710	730	345	355	360	365	255	290	320	340	200	235	270	295											

### Ω TOP 4 / 5 >> 3 BARS PER PHASE

Minimum spacing between phases: 75 mm

Icc kA pk	53				74				110				143				165															
Icc kA eff.1s	25				35				50				65				75															
Spacing between phases mm	75				100				125				150				75				100				125				150			
	BAR CROSS SECTION	30x5	285	285	285	285	200	200	200	200	135	135	135	135	105	105	105	105	-	-	-	-										
40x5		345	355	355	355	245	255	255	255	165	170	170	170	125	130	130	130	110	110	110	110											
50x5		405	425	425	425	290	300	300	300	195	200	200	200	150	155	155	155	130	135	135	135											
63x5		475	500	510	510	340	360	365	365	230	240	245	245	175	185	190	190	150	160	165	165											
80x5		570	600	620	620	375	405	445	450	275	285	295	300	210	220	230	230	175	190	195	200											
100x5		675	710	735	755	380	415	525	540	325	340	355	365	245	260	270	280	185	225	235	240											
125x5		815	860	910	945	380	445	625	645	345	355	360	365	255	290	320	330	195	235	265	285											

### Ω TOP 2 / 5 >> 2 BARS PER PHASE

Minimum spacing between phases: 50 mm

Icc kA pk	53				74				110				143				
Icc kA eff.1s	25				35				50				65				
Spacing between phases mm	50				75				100				125				
	BAR CROSS SECTION	30x5	220	240	245	245	160	170	175	175	105	115	115	115	-	-	-
40x5		270	295	310	310	195	210	220	220	130	140	145	150	100	100	100	100
50x5		320	345	365	375	230	250	260	270	150	165	175	180	115	125	135	135
63x5		375	410	430	450	270	295	310	325	180	195	205	215	140	150	160	165
80x5		455	490	515	540	325	350	370	385	215	235	250	260	165	180	190	200
100x5		540	580	610	640	380	420	440	460	260	280	295	305	200	215	225	235
125x5		645	690	730	760	400	450	500	540	310	330	350	365	240	255	270	280

### Ω TOP 2 / 5 >> 1 BAR PER PHASE

Minimum spacing between phases: 50 mm

Icc kA pk	53				74				110				143				
Icc kA eff.1s	25				35				50				65				
Spacing between phases mm	50				75				100				125				
	BAR CROSS SECTION	30x5	225	280	320	360	160	200	230	260	110	135	155	175	-	-	-
40x5		265	325	375	415	190	230	265	300	125	155	180	200	-	-	-	-
50x5		295	360	415	465	210	260	300	335	140	175	200	225	110	130	155	170
63x5		330	405	470	525	235	290	335	375	160	195	225	250	120	150	170	195
80x5		375	455	530	590	265	325	380	425	180	220	255	285	135	170	195	220
100x5		415	510	590	660	300	365	425	475	200	245	285	315	155	190	220	245
125x5		465	570	660	740	335	385	475	530	225	285	315	355	170	210	245	275

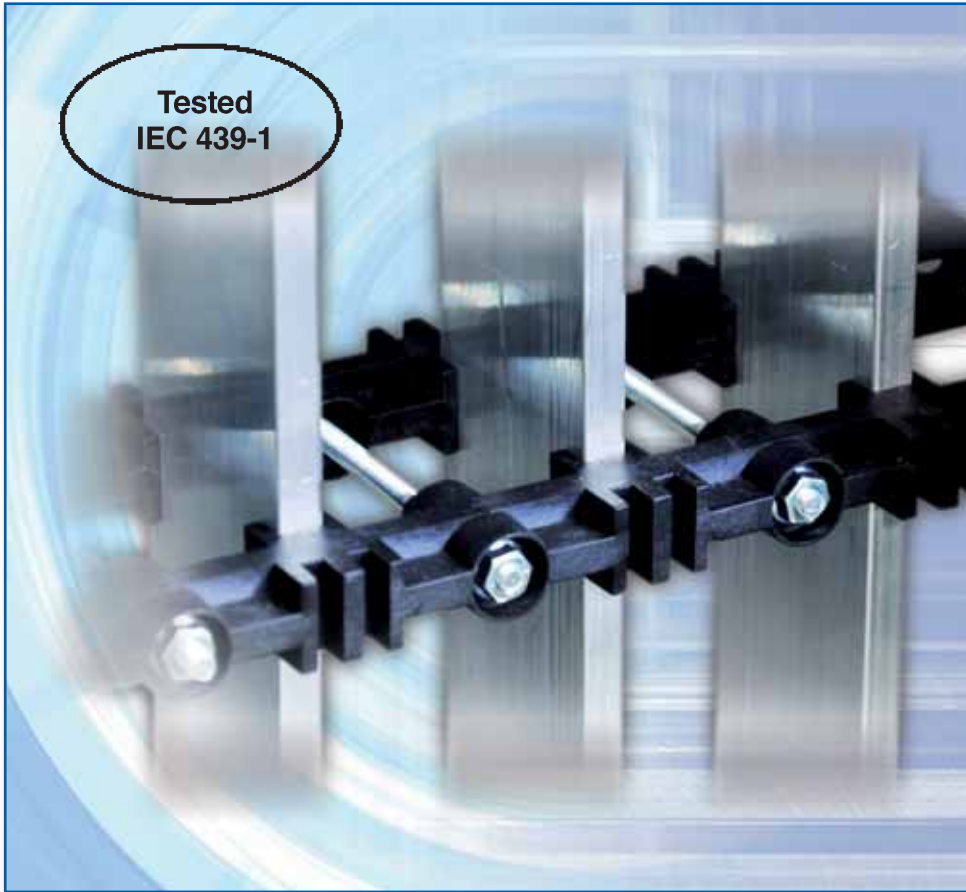
NB. The distances between supports (in mm) are computed considering the yield stress of copper; the indicated values therefore prevent permanent deformation of the copper bars when stressed by short-circuit conditions.

\* For short-circuit resistance values other than or intermediate to the indicated ones.

\*\* For configurations other than the indicated ones.

\*\* For spaces between phases intermediate or higher than the indicated ones.

PLEASE, CONTACT OUR TECHNICAL OFFICE



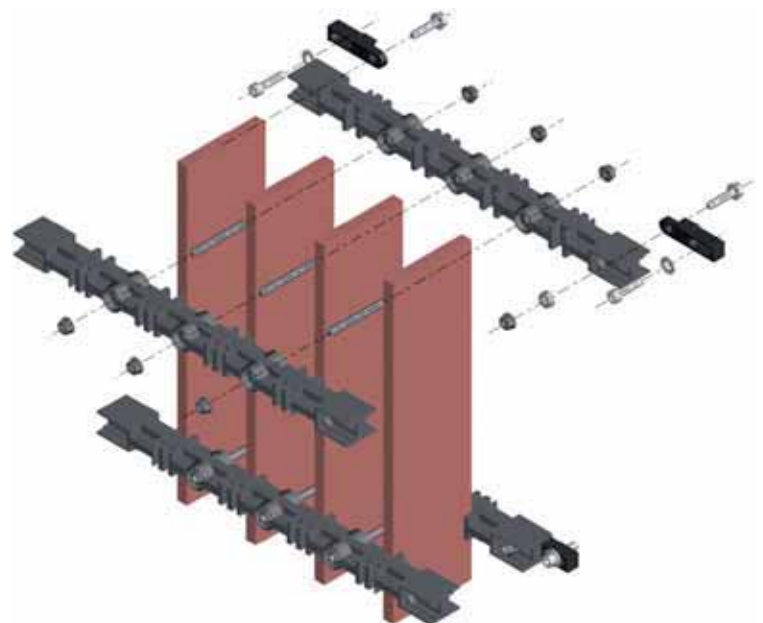
## Ω TOP JUNIOR - Compact bar support

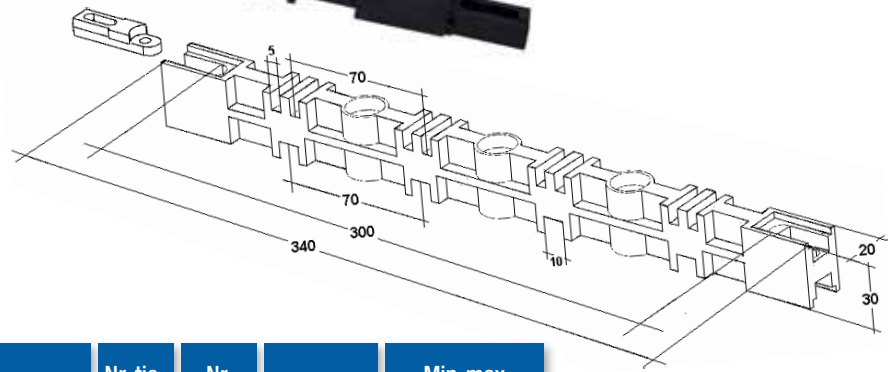
### TECHNICAL FEATURES

- High versatility
- Space between phases 70 mm
- High resistance to short-circuit
- Ampacity from 400 to 1600 Amp
- Single reference for use with 5- to 10-mm thick bars
- Fitting directly on 400-mm deep panel boards
- Adjustable fasteners supplied

**Made of:**  
 6/6 Polyamide reinforced with 30% fiberglass  
 Self-extinguishing UL 94V0  
 Colored black

**Certifications:**  
 Compliant with standard IEC 439-1  
 Ω TOP JUNIOR was tested in laboratory  
 CERTIFIED ACAE-LOVAG as per standard IEC 439-1





Code	Reference		Type	Nr. tie-rods	Nr. bars	Thickness	Min-max H copper bar	
TOP2000	TOP- J 5-10	1	T + N	2 / 5	3	2	5 mm	30 ÷ 80 mm
				1 / 10	1	10 mm	30 ÷ 80 mm	

**Space for fastening screws:**

<b>Without fastener</b>	minimum 300 mm	maximum 330 mm
<b>With fastener</b>	minimum 350 mm	maximum 410 mm

**Distance between support depending on Icc (short-circuit current)**

**Icc pk** = Short-circuit current peak value of short duration, equal to 200 mseconds, expressed in kAmperes

**Icc rms** = Efficient value of short-circuit current, duration equal to 1 second, expressed in kAmperes

**Ω TOP JUNIOR (table of distances)**

**Ω TOP JUNIOR 1 / 10 >> 1 BAR PER PHASE**

Icc kA pk	53	74	110	132	
Icc kA eff. 1s	25	35	50	60	
Spacing between phases mm	70				
BAR CROSS SECTION	30x10	530	380	280	190
	40x10	530	440	280	190
	50x10	530	490	285	195
	60x10	530	490	285	195
	80x10	530	490	285	200

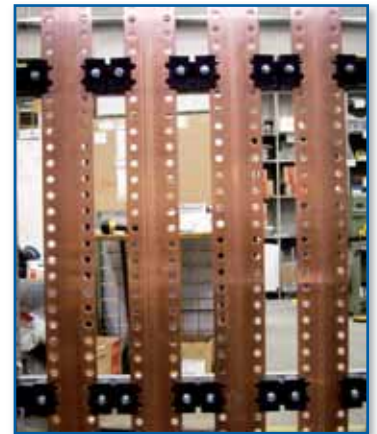
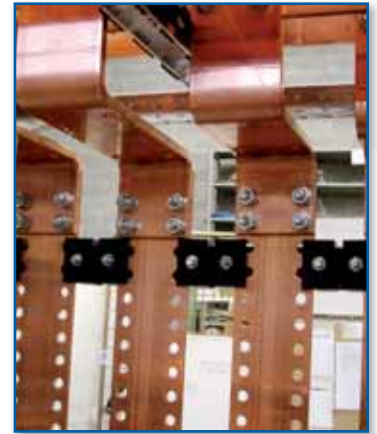
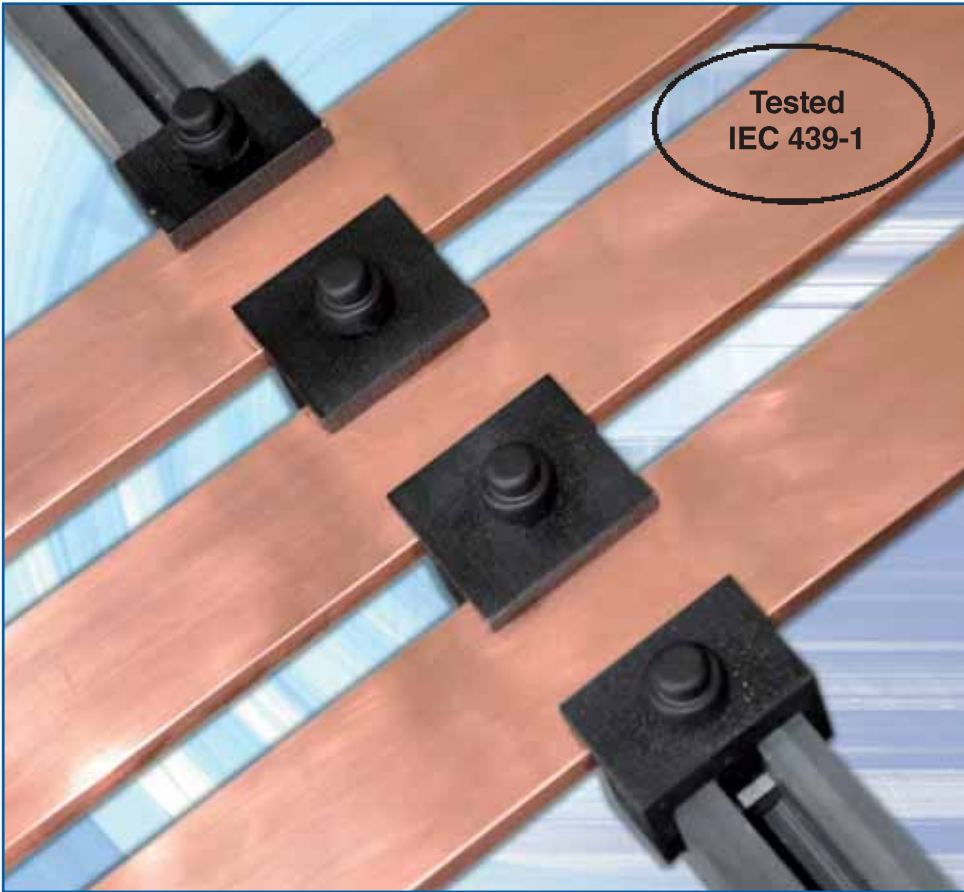
**Ω TOP JUNIOR 2 / 5 >> 2 BARS PER PHASE**

Icc kA pk	53	74	110	132	
Icc kA eff. 1s	25	35	50	60	
Spacing between phases mm	70				
BAR CROSS SECTION	30x5	235	170	115	-
	40x5	290	205	140	115
	50x5	340	245	165	135
	60x5	390	280	185	150
	80x5	455	345	230	200

**Ω TOP JUNIOR 2 / 5 >> 1 BAR PER PHASE**

Icc kA pk	53	74	110	132	
Icc kA eff. 1s	25	35	50	60	
Spacing between phases mm	70				
BAR CROSS SECTION	30x5	270	190	130	105
	40x5	310	220	150	125
	50x5	350	250	165	140
	60x5	380	275	180	150
	80x5	390	310	210	170





## Ω FLAT bar support

### TECHNICAL FEATURES

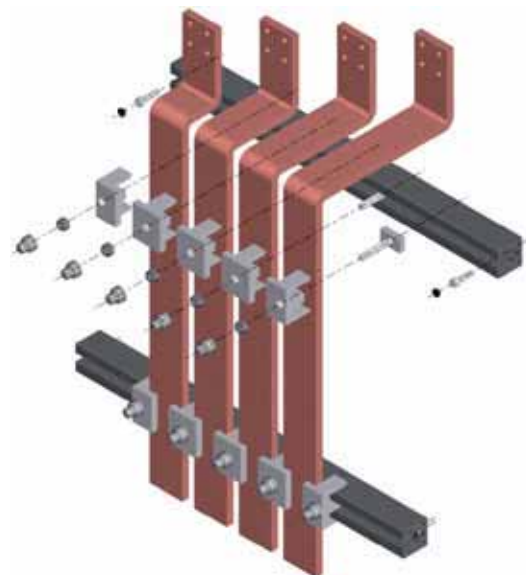
#### Universal

- Distance between adjustable phases
- Blocks complete with fitting screws
- Support channel made of PVC
- Bar thickness from 4 to 14 mm
- Ampacity from 250 to 1,600 Amp
- High resistance to short-circuits

Minimum air distance between two phases 20 mm with "T blocks"  
 Minimum air distance between two phases 40 mm with "L blocks"

#### Certifications:

- Compliant with standard IEC 439-1
- Ω Flat was tested in laboratory
- CERTIFIED ACAE-LOVAG as per standard IEC 439-1





The Ω FLAT bar support is a **UNIVERSAL, QUICK** and **COMPETITIVE**, solution for all flat supporting requirements, copper or aluminum bars.

It is mainly made of two elements:

- 1) supporting and fastening channel in extruded PVC
- 2) set of blocks and screws to tighten the bar.

The Ω FLAT bar support can also be used as an anchoring system for flexible insulated bars (cf. page 8).

### SUPPORT CHANNEL AND FASTENING SCREWS

- One single code for all configurations
- Made in extruded PVC
- Black color
- Self-extinguishing UL94V0
- 2 meter long
- Working temperature up to 65°C
- M6x25 six lobes screw to fasten the channel to the panel board, to be used after punching the bottom guiding rail of the channel

Code	Reference	Description	
FLT1000	FLT-PR2000	PVC channel 2 meters long	2



### INSULATING BLOCKS AND SCREWS

- In 6/6 polyamide reinforced with 30% fiberglass
- Black color
- Self-extinguishing UL 94V0
- insulating "L" block (for adjustable space between phases)
- insulating "T" block (for minimum space between bars = 20 mm)

Code	Reference	Description		Bar thickness in mm	Bar width in mm
FLT1005	FLT-BL-L	Kit of 6 "L" blocks in 6/6 PA complete with screws	1	min 4 max 14	min 20 max 100
FLT1010	FLT-BL-T	Kit of 6 "T" blocks in 6/6 PA complete with screws	1		

Complete with fastening screws and insulating nut cap

- Hammer head screw to insert in channel to fasten block
- hexagonal nut to tighten block
- insulating nut cap
- M6x25 hexagonal screw to fasten channel
- plastic cap to insulate the head screw



**Example:**  
to make a 3-pole + neutral bar support at **MINIMUM distance between phases**

**Use:** n° 1 PVC channel 2 m long to be cut at length requested  
 n° 3 "T" blocks with screws for intermediate fastening between bars of different phases  
 n° 2 "L" blocks with screws for terminal fastening of the two farthest bars

**Select:** PVC channels 2 m long **FLT1000**  
 n° 1 kit of "L" blocks complete with screws **FLT1005**  
 n° 1 kit of "T" blocks complete with screws **FLT1010**

# Ω FLAT bar support (table of distances)

## Distance between support depending on Icc (short-circuit current)

**Icc pk** = Short-circuit current peak value of short duration, equal to 200 mseconds, expressed in kAmperes

**Icc rms** = Efficient value of short-circuit current, duration equal to 1 second, expressed in kAmperes

		Icc kA pk				53				74				84				110				
		Icc kA eff.1s				25				35				40				50				
BAR CROSS SECTION	30x5	Space between phases in mm	50	70	80	90	50	70	80	90	50	70	80	90	50	70	80	90	50	70	80	90
		Distance between bar supports in mm	240	330	390	440	120	170	195	220	-	130	150	170	-	-	-	100	-	-	-	100
	40x5	Space between phases in mm	60	80	90	100	60	80	90	100	60	80	90	100	60	80	90	100	60	80	90	100
		Distance between bar supports in mm	290	380	425	480	150	190	200	225	115	150	160	180	-	-	-	100	100	110	120	130
	50x5	Space between phases in mm	70	90	100	110	70	90	100	110	70	90	100	110	70	90	100	110	70	90	100	110
		Distance between bar supports in mm	335	430	475	525	170	220	240	265	130	170	190	210	100	105	110	120	110	120	130	140
	60x5	Space between phases in mm	80	100	110	120	80	100	110	120	80	100	110	120	80	100	110	120	80	100	110	120
		Distance between bar supports in mm	380	480	530	575	190	245	270	290	150	190	210	230	105	115	120	130	120	130	140	150
	80x5	Space between phases in mm	100	120	130	140	100	120	130	140	100	120	130	140	100	120	130	140	100	120	130	140
		Distance between bar supports in mm	480	570	625	675	240	295	320	345	190	230	250	265	110	130	145	155	130	145	155	165
	100x5	Space between phases in mm	120	140	150	160	120	140	150	160	120	140	150	160	120	140	150	160	120	140	150	160
		Distance between bar supports in mm	590	680	730	780	290	340	370	390	230	265	285	305	130	150	160	185	150	160	170	185

		Icc kA pk				53				74				84				110				
		Icc kA eff.1s				25				35				40				50				
BAR CROSS SECTION	30x10	Space between phases in mm	50	70	80	90	50	70	80	90	50	70	80	90	50	70	80	90	50	70	80	90
		Distance between bar supports in mm	240	330	390	440	120	170	195	220	-	130	150	170	-	-	-	100	-	-	-	100
	40x10	Space between phases in mm	60	80	90	100	60	80	90	100	60	80	90	100	60	80	90	100	60	80	90	100
		Distance between bar supports in mm	290	380	425	480	150	190	200	225	115	150	160	180	-	-	-	100	100	110	120	130
	50x10	Space between phases in mm	70	90	100	110	70	90	100	110	70	90	100	110	70	90	100	110	70	90	100	110
		Distance between bar supports in mm	335	430	475	525	170	220	240	265	130	170	190	210	100	105	110	120	110	120	130	140
	60x10	Space between phases in mm	80	100	110	120	80	100	110	120	80	100	110	120	80	100	110	120	80	100	110	120
		Distance between bar supports in mm	380	480	530	575	190	245	270	290	150	190	210	225	100	110	115	130	120	130	140	150
	80x10	Space between phases in mm	100	120	130	140	100	120	130	140	100	120	130	140	100	120	130	140	100	120	130	140
		Distance between bar supports in mm	480	570	625	675	240	290	320	345	190	230	250	265	110	130	145	155	130	145	155	165
	100x10	Space between phases in mm	120	140	150	160	120	140	150	160	120	140	150	160	120	140	150	160	120	140	150	160
		Distance between bar supports in mm	590	680	730	780	290	340	370	390	230	265	285	305	130	150	160	185	150	160	170	185

**NOTE:**

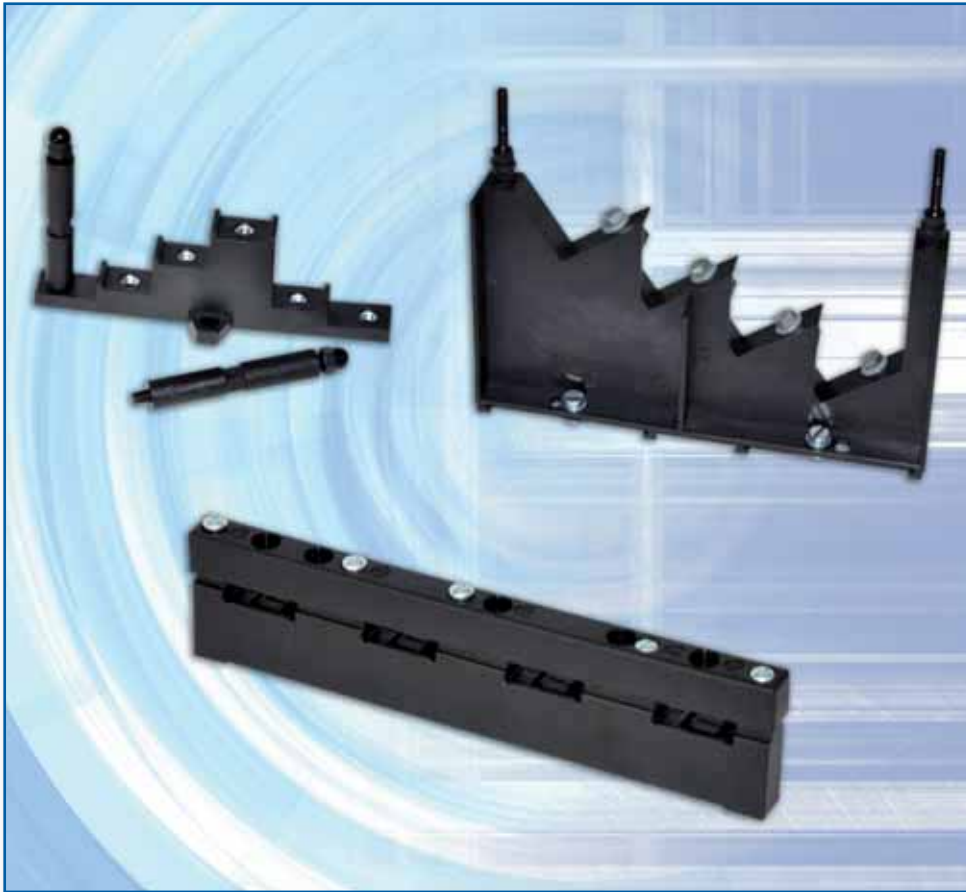
The first space between phases value refers to the use of the "T" block (air distance between two adjacent bars, equal to 20 mm).

The second space between phases value refers to the use back to back "L" blocks (air distance between two adjacent bars, equal to 40 mm).

Further values refer to the use of the "L" blocks only (2 per bar) spaced between each other.

For other distance between phase values, contact our technical office.

- values lower than 100 mm.



## 3-4-pole repartition support

### TECHNICAL FEATURES

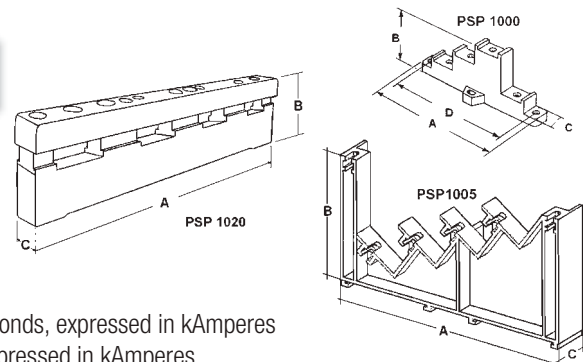
6/6 polyamide reinforced with 30% fiberglass  
 Self-extinguishing UL94V0  
 Working temperature: -40°C +130°C  
 Continuous working temperature: +110°C  
 Softening temperature: +215°C  
 Glow wire test: 960°C  
 Black color

M6 screws for bar fastening  included for PSP1000 and PSP1005  
 Protection screen fastening kit

Direct fastening kit on DIN rail  included for PSP1005

Protection caps for PSP1010 and 1020  PSP1015 and 1025 codes

Code	Reference		A mm	B mm	C mm	D mm	Space between phases
PSP1000	PSP250	8	150	54	16	130	42 mm
PSP1005	PSP400/630	2	216	117	34	-	65 mm
PSP1010	PSP 630T	1	180	55	16	-	60 mm
PSP1020	PSP 630TN	1	240	55	16	-	60 mm
PSP1015	PS PRO 630T	1	185	32	23	-	-
PSP1025	PS PRO 630TN	1	245	32	23	-	-



### Distance between support depending on Icc (short-circuit current)

**Icc pk =** Short-circuit current peak value of short duration, equal to 200 mseconds, expressed in kAmperes

**Icc rms =** Efficient value of short-circuit current, duration equal to 1 second, expressed in kAmperes

Code	Bar cross-section	Icc pk (kA)	Distance in mm					
		Icc rms (kA)	11	14	24	32	48	
		in Amp	7	8	12	15	23	
PSP1000	15x5	150A	561	455	258	150	-	
	20x5	250A	647	526	266	150	-	
PSP1005	15x5	150A	682	554	314	250	100	
	20x5	250A	788	640	363	261	100	
	32x5	400A	980	809	410	261	100	
	20x10	500A	980	980	410	261	100	
	30x10	630A	980	980	410	261	100	

Code	Bar cross-section	Icc pk (kA)	Distance in mm						
		Icc rms (kA)	30,5	34,0	42,6	48,9	54,6	59,6	75,6
		in Amp	15,5	17,1	21,6	24,6	26,3	29,1	36,8
PSP1015 PSP1020	20x5	250A	600		400		200		
	20x10	500A		600		400		200	
	30x5	400A			600		400	200	
	30x10	630A			600		400	200	




# Repartition supports

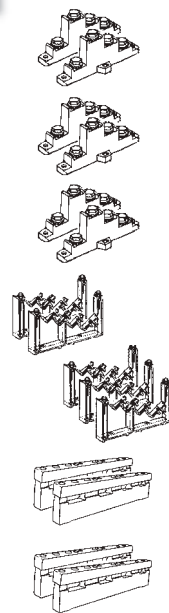


Repartition support in KIT include all that is needed to make the distribution unit.

The KIT is made of:

- copper bars (cross-section, length and nr. of holes as per hereunder table)
- distribution unit supports (cf. range page 29)
- support spacers for the protection screen
- protection screen cut, bent and punched in the suitable dimensions

Code	Reference		in Amp	Icc pk in kA	Bar cross-section	Pitch Length Height			Number of		Type of support	Nr. supports
						Dimensions in mm	Inputs	outputs				
PSP1030	PSP160K-23	1	160	15	15 x 5	20	230	78	1 x Ø 8,5	6 x M6	PSP1000	2
PSP1035	PSP250K-23	1	250	15	20 x 5	20	230	78	1 x Ø 8,5	6 x M6	PSP1000	2
PSP1036	PSP250K-43	1	250	10	20 x 5	20	430	78	1 x Ø 8,5	10 x 6	PSP1000	2
PSP1040	PSP400K-30	1	400	13	32 x 5	25	305	162	1 x Ø 10,5	8 x M6	PSP1005	2
PSP1050	PSP400K-48	1	400	15	32 x 5	25	480	162	1 x Ø 10,5	14 x M6	PSP1005	3
PSP1055	PSP630K-25	1	630	36	30 x 10	25	266	60	1 x Ø 10,5	8 x M8	PSP1020	2
PSP1060	PSP630K-40	1	630	29	30 x 10	25	441	60	1 x Ø 10,5	15 x M8	PSP1020	2



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

**IMPORTANT:**

**TEKNOMEGA** will make upon request distribution KITS as per your specific application requirements.


## Protection screens and spacers


### COLD BENDABLE PROTECTION SCREEN

Made in PETG (terephthalate polyethylen), 3-mm thick

### PLASTIC SPACER SUPPORT FOR PROTECTION SCREEN

Made of 6/6 polyamide with fiberglass, black color

Code	Reference		Weight Kg.	H mm	L mm	S mm
SCH1000	SCH 1000x2000x3	1	7,00	1000	2000	3
SCH1005	SCH 1000x215x3	5	0,75	1000	215	3
SCH1010	SCH 1000x150x3	5	0,53	1000	150	3

Code	Reference		H mm	M mm	Ch mm
DZP2000	DZP KIT	10	70	M6	10

**The KIT is made of:**

- 4 male/male M6 threaded spacers6
- 4 female M6 threaded caps

