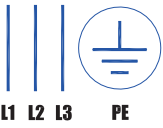
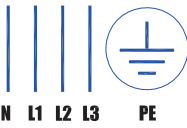


**Versions**

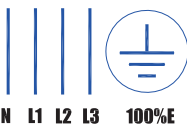
**3P + PE**



**3P + N + PE**



**3P + N + 100%E**



**SysLINK TAP-OFF BOXES**

Service	3	3 PH, 3W + PE
	4	3 PH, 4W + PE

Contact Rating (A)	010	100A
	016	160A
	025	250A
	040	400A

**ORDER NUMBERING**

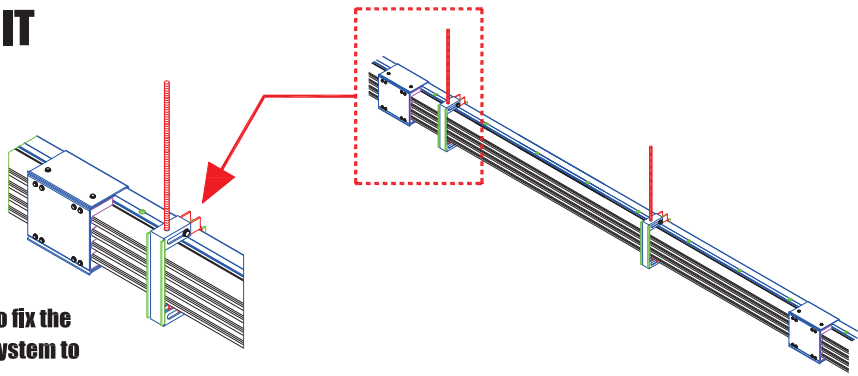
TAP-OFF BOX	3	010	01	
-------------	---	-----	----	--

	(A)	(B)	(C)
TAP-OFF BOX for MCB	01 9P	280	180 120
	02 12P	340	180 120
	03 15P	400	180 120
TAP-OFF BOX for MCCB	04 100 AF	310	210 200
	05 160 AF	310	210 200
	06 250 AF	310	210 200
	07 400 AF	440	280 220

Special Option

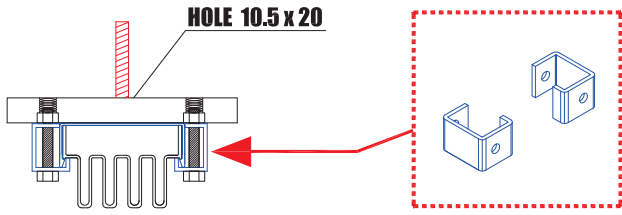
Metering
Metering + RS485
1P / 2P / 3P / SPD ( Surge Protection Device )
Phase sequency Indicator
Others --- Consult your Local Angent

**FIXING UNIT**



This unit is used to fix the busbar trunking system to the wall or to the suspension bracket (not included).

**SIMPLY FIXING BRACKET**



1

Insert the two units by following the positions.

2

Check junction in position with fixing four screws at the bottom side of the lower cover.

3

Insert five pieces of insulation plate in corresponding notch between phases and cover edge.

4

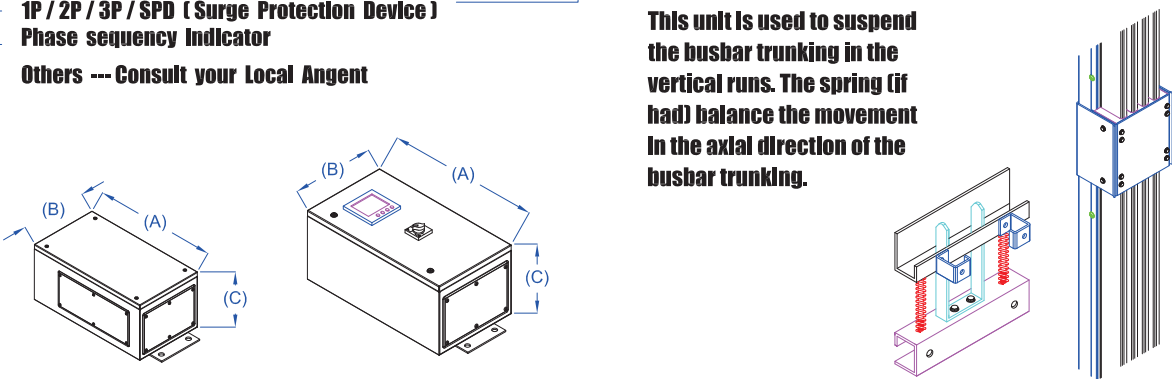
Assembling upper cover with fixing eight screws in position.

5

Final check and completed

**SUSPENSION UNIT FOR VERTICAL RUNS**

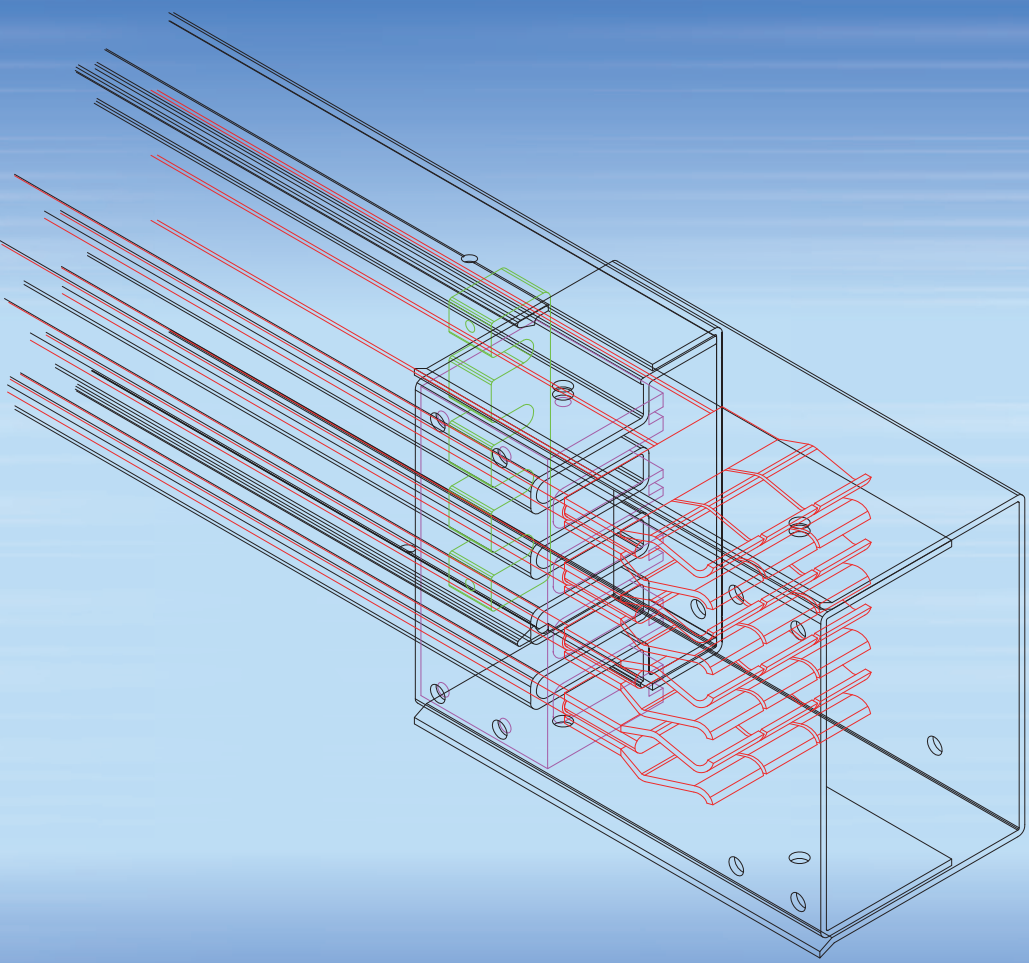
This unit is used to suspend the busbar trunking in the vertical runs. The spring (if had) balance the movement in the axial direction of the busbar trunking.



SysLINK

COMPAC  
ELECTRIC

BUSBAR TRUNKING SYSTEM  
BUSWAY  
160A - 800A



SysLINK

**COMPAC ELECTRIC**

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 europe@compacelectric.eu

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 Phone. +886 3 477 9898  
 asia@compacelectric.eu

COMPAC  
ELECTRIC



# SysLINK

The *SysLINK* is designed for compact power distribution network for industrial, commercial, residential, data center and service buildings.

Due to Patented special shape of designed and aluminum alloy extrude technologies, The *SysLINK* create excellent performance.

The *SysLINK* busbar trunking system is provide in both aluminum conductors and copper conductors with 160A, 250A, 400A, 630A and 800A.

The standard version is offered 3P+N+PE with the neutral and the phase in same cross-section are and extruded aluminum alloy housing as protection conductor or 3P+N+100%E with the earth with same cross-section of the phase.

The *SysLINK* busbar trunking system can be painted with specified color in joint cover or aluminum alloy housing by customer requested.

The standard protection degree of The *SysLINK* busbar trunking system is IP55 by following the standard installation.

There are 3 tap-off outlets with standard 3 meters distribution length along on one side. Elements with special number of tap-off outlets are available up to maximum of 6 tap-off outlets for each 3meters.

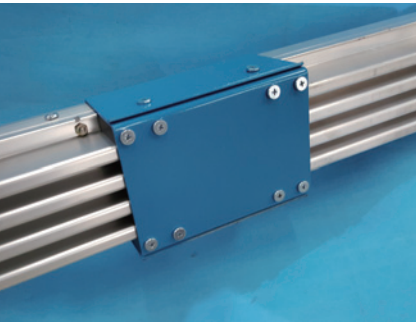
The standard tap-off boxes are available with metal casing, empty, with fuse holder, with circuit breaker, with MCB, with automatic switch or with metering device (RS 485, Ethernet).

The bracket system of The *SysLINK* has a fixing (with Springs) both for the horizontal lines and for the rise lines.



The *SysLINK* brings most important features~

1. Compact Designed
2. Semi-Sandwich Structure
3. CLASS B Insulation(CLASS F can be an Option)
4. Excellent Heat Dissipation
5. Easy and Fast Installation
6. Low Voltage Drop
7. More than 100% Grounding Capability(Optional)
8. 2 Times of Service Life than Power Cable
9. 100% REUSE/RECYCLE
10. Most Cost-Effective Investment



The *SysLINK* is most advanced design for sub-power distribution, especially for power connection to each critical individual equipment and flexible power expansions.

Easy and fast installation can fulfill all kind of applications. Through RS485 or Ethernet port of the Smart Tap-off unit can get all data of power, also can provide demand, harmonics analysis from 2nd to 60th both for current and voltage to understand power quality situation.

TECHNICAL DATA

CARATTERISTICHE TECNICHE

## SPECIFICATIONS

Conductors Type/Conduttori attivi		ALUMINIUM/ALLUMINIO					COPPER/RAME			
Rated Current/ <i>Corrente nominale</i>	A	160	250	400	630	800	250	400	630	800
<b>General Informations</b> <i>Caratteristiche generali</i>										
Reference Standard/ <i>Norma di riferimento</i>		IEC 61439-6(2012), IEC 60439-1(2004)&2								
Rated Operation Voltage/ <i>Tensione nominale d'impiego-Ue</i>	V	1000								
Rated Insulation Voltage/ <i>Tensione nominale d'isolamento-Ui</i>	V	1000								
Frequency/ <i>Frequenza</i>	Hz	50/60								
Protection Degree/ <i>Grado di protezione</i>	IP	IP55								
Insulation Class/ <i>Classe di isolamento</i>		B / F*								
<b>Current Permitted/</b> <i>Correnti ammesse/Int</i>										
Rated short Circuit Withstand/ <i>Breve durata barra fase(1s)-Icw</i>	KA	25	30	40	50	50	30	40	40	50
Rated short Circuit Withstand/ <i>Cresta barra fase(1s)-Ipk</i>	KA	55	66	88	110	110	66	88	88	110
Phase-PE Rated short Circuit Withstand/ <i>Breve durata barra fase di protezione(1s)-Icw</i>	KA	15	18	24	30	30	18	24	24	30
Phase-PE Rated short Circuit Withstand/ <i>Cresta barra fase di protezione-Ipk</i>	KA	33	40	53	66	66	40	53	53	66
<b>Conductors/ Conduttori attivi</b>										
Phase Resistance/ <i>Resistenza fase - R20</i>	mΩ/m	0.400	0.250	0.167	0.101	0.101	0.233	0.146	0.097	0.075
Phase Reactance/ <i>Reattanza fase - X</i>	mΩ/m	0.280	0.175	0.117	0.071	0.071	0.163	0.102	0.068	0.052
Phase Impedence/ <i>Impedenza fase - Z</i>	mΩ/m	0.488	0.305	0.203	0.123	0.123	0.285	0.178	0.119	0.091
Phase Resistance/ <i>Resistenza fase a equilibrio termico-Rt</i>	mΩ/m	0.520	0.325	0.217	0.131	0.131	0.303	0.190	0.126	0.097
<b>Protection Conductors/</b> <i>Conduttori di protezione</i>										
Cross-section/ <i>Sezione - S(Pe)</i>	mm²	696	1,054	1,138	1,290	1,290	696	1,054	1,138	1,290
Cross-Section/ <i>Sezione equivalente in rame(=Cu)</i>	mm²	417	632	683	774	774	417	632	683	774
<b>Other features/ Altre</b> <i>caratteristiche</i>										
Voltage Drop with Distributed Load/ <i>Caduta di tensione con carico distribuito</i> ΔV=I·V/m·A/10 <sup>-6</sup>	cos φ =0.75	0.4852	0.3033	0.2022	0.1226	0.1226	0.2830	0.1769	0.1179	0.0909
	cos φ =0.8	0.4880	0.3050	0.2033	0.1233	0.1233	0.2847	0.1779	0.1186	0.0914
	cos φ =0.85	0.4875	0.3047	0.2031	0.1232	0.1232	0.2844	0.1777	0.1185	0.0913
	cos φ =0.9	0.4820	0.3013	0.2009	0.1218	0.1218	0.2812	0.1757	0.1172	0.0903
	cos φ =0.95	0.4674	0.2921	0.1948	0.1181	0.1181	0.2727	0.1704	0.1136	0.0876
cos φ =1	0.4000	0.2500	0.1667	0.1011	0.1011	0.2333	0.1458	0.0972	0.0749	
Weigth/ <i>Peso - P</i>	Kg/m	4.9	5.7	6.6	8.3	8.3	6.4	8.6	11.0	13.3
Overall Dimensions/ <i>Dimensioni d'ingombro</i>	mm(LxH)	41 x 100	56 x 100	61 x 100	70 x 100	70 x 100	41 x 100	56 x 100	61 x 100	70 x 100

\* : Option

All Rated Current are Related to an ambient temperature at 40°C.

The Rated Current Should Be Derating as Shown Multipliers by Higher Ambient Temperatures.

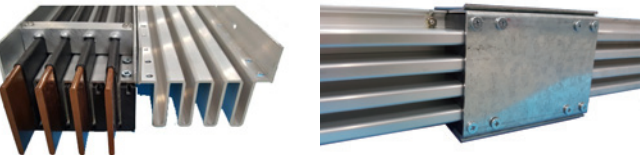
La corrente nominale è riferita ad una temperatura ambiente media di 40°C.

Per temperature ambiente superiori la corrente nominate sarà ridotta moltiplicando per il coefficiente.

Please Do Not Hesitate to Contact Your Local Agent For Getting Further Information For Your Needs, or You Can Send E-mail to [info@compacelectric.eu](mailto:info@compacelectric.eu) For Assistant.

35°C 40°C 45°C 50°C

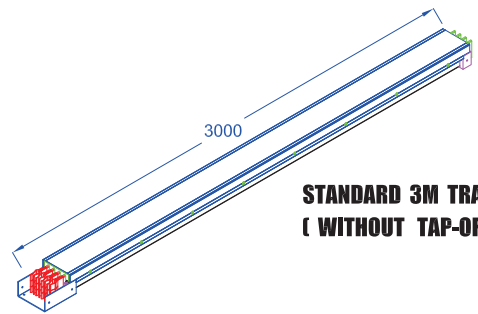
1.06 1 0.96 0.84



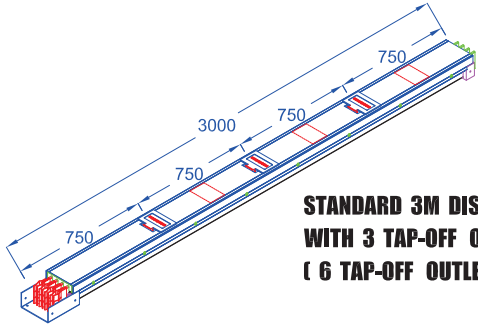
AL

CU

## TRANSPORTATION LENGTH & DISTRIBUTION LENGTH

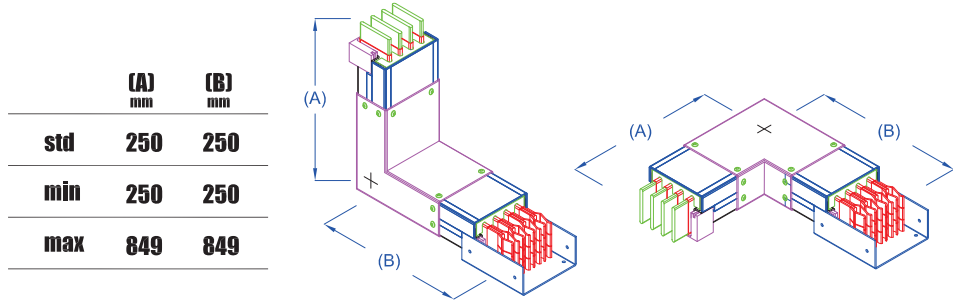


STANDARD 3M TRANSPORTATION LENGTH  
( WITHOUT TAP-OFF OUTLET )

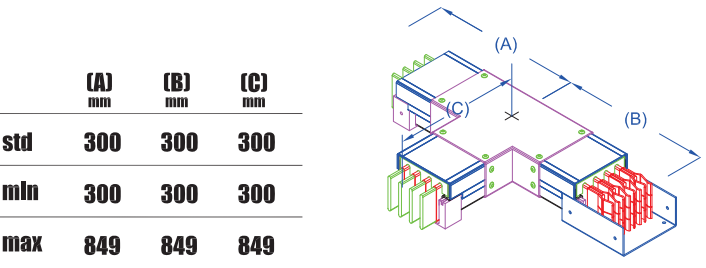


STANDARD 3M DISTRIBUTION LENGTH  
WITH 3 TAP-OFF OUTLETS  
( 6 TAP-OFF OUTLETS BY REQUEST )

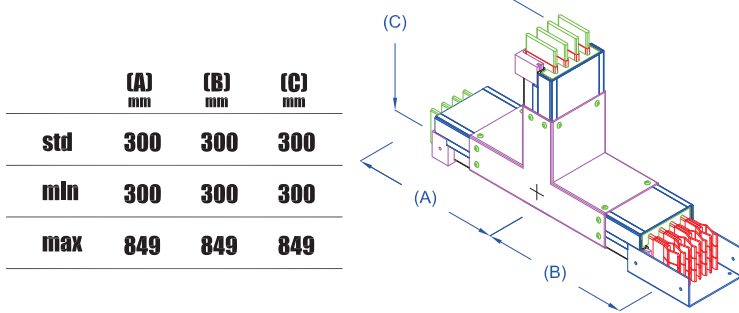
## VERTICAL ELBOW & HORIZONTAL ELBOW



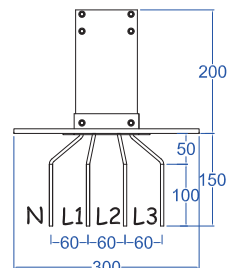
## HORIZONTAL TEE



## VERTICAL TEE



## TERMINAL UNIT

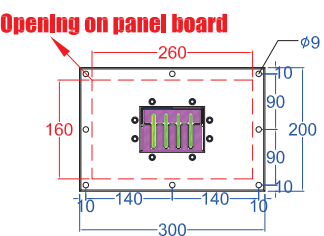


AL 630/800A  
CU 800A

AL 400A  
CU 630A

AL 250A  
CU 400A

AL 160A  
CU 250A



Please Contact Local Angent or Factory for any assistance

