

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

TAP-OFF BOX for MCB

	(A)	(B)	(C)
01	9P	280	180 120
02	12P	340	180 120
03	15P	400	180 120

TAP-OFF BOX for MCCB

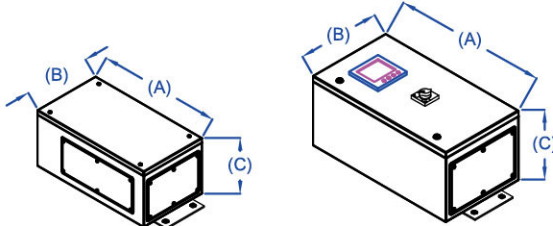
04	100 AF	340	210 200
05	160 AF	340	210 200
06	250 AF	340	210 200
07	400 AF	600	280 220

Special Option

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

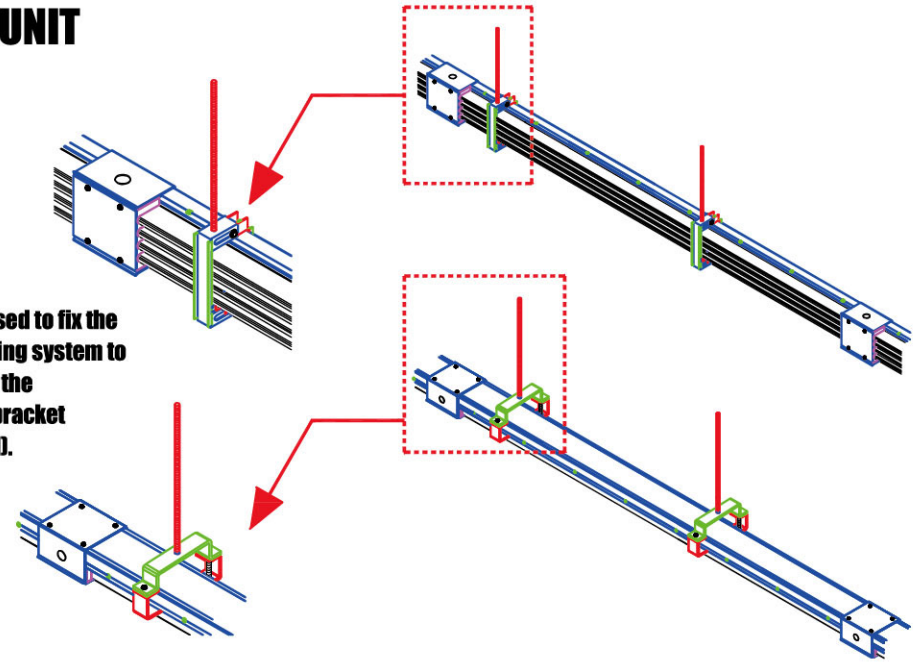
ORDER NUMBERING

TAP-OFF BOX — 3 010 01



FIXING UNIT

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



1 Insert the two units by following the positions.

2 Check the junction position, including the vertical alignment of the busbar and the alignment along the horizontal axis.

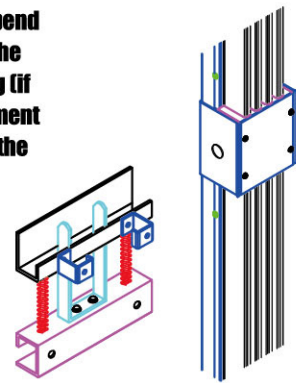
3 Tighten the bolts and fixing four screws at the bottom side of the lower cover.

4 Assembling upper cover with fixing four screws in position.

5 Final check and completed

SUSPENSION UNIT FOR VERTICAL RUNS

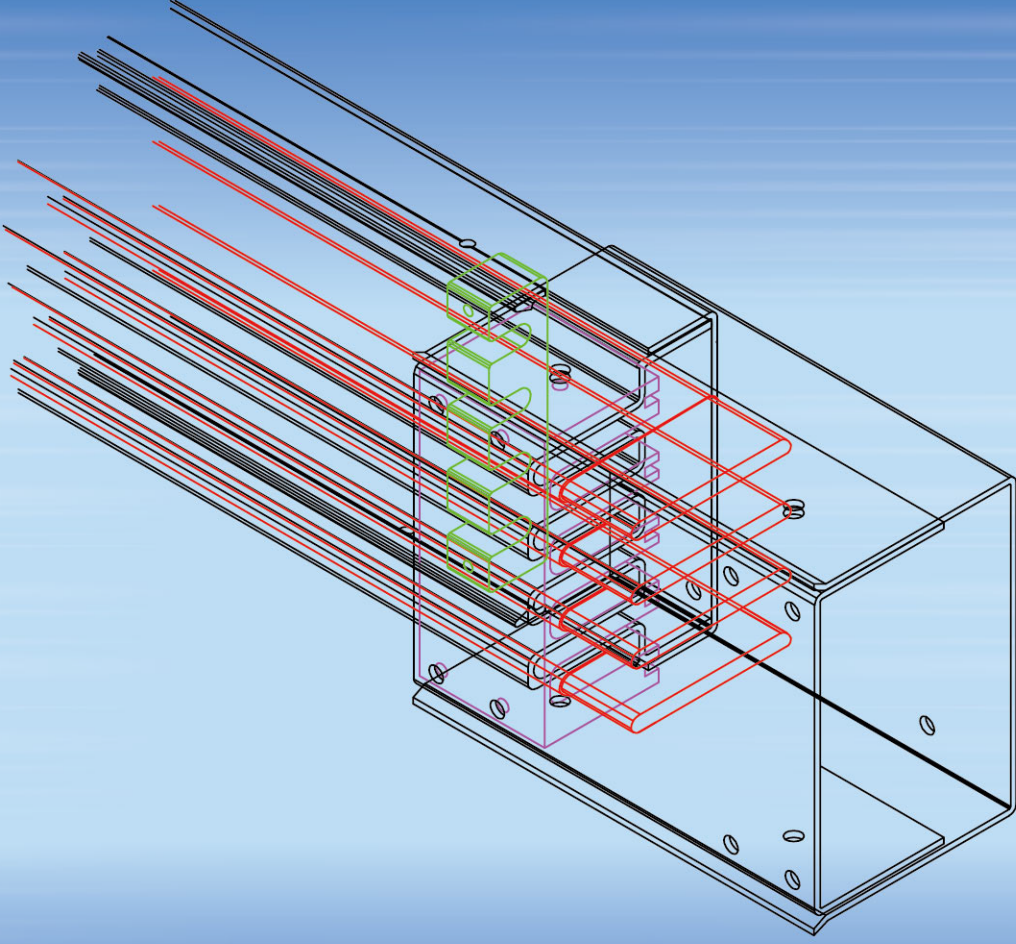
This unit is used to suspend the busbar trunking in the vertical runs. The spring (if had) balance the movement in the axial direction of the busbar trunking.



SysLINK

COMPAC ELECTRIC

BUSBAR TRUNKING SYSTEM
BUSWAY
160A - 800A



SysLINK

COMPAC ELECTRIC

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Phone. +886 3 477 9898

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/ Corrente nominale	A	160	250	400	630	800	250	400	630	800

General Informations

Caratteristiche generali

Reference Standard/Norma di riferimento

IEC 61439-6(2012), IEC 60439-1(2004)&2

Rated Operation Voltage/ Tensione nominale d'impiego- Ue	V	1000								
Rated Insulation Voltage/ Tensione nominale d'isolamento-Ui	V	1000								
Frequency/ Frequenza	Hz	50/60								
Protection Degree/Grado di protezione	IP	IP55								

Insulation Class/Classe di isolamento

B / F*

Current Premitted/

Correnti ammissibili

Rated short Circuit Withstand/ Breve durata barra fase(Is)-Icw	KA	25	30	40	50	50	30	40	40	50
Rated short Circuit Withstand/ Cresta barra fase(Is)-Ipk	KA	55	66	88	110	110	66	88	88	110
Phase-PE Rated short Circuit Withstand/ Breve durata barra fase di protezione(Is)-Icw	KA	15	18	24	30	30	18	24	24	30
Phase-PE Rated short Circuit Withstand/ Cresta barra fase di protezione-Ipk	KA	33	40	53	66	66	40	53	53	66

Conductors/ Conduttori attivi

Phase Resistance/Resistenza fase - R20	mΩ/m	0.400	0.250	0.167	0.101	0.101	0.233	0.146	0.097	0.075
Phase Reactance/Reattanza fase - X	mΩ/m	0.280	0.175	0.117	0.071	0.071	0.163	0.102	0.068	0.052
Phase Impedence/Impedenza fase - Z	mΩ/m	0.488	0.305	0.203	0.123	0.123	0.285	0.178	0.119	0.091
Phase Resistance/ Resistenza fase a equilibrio termico-Rt	mΩ/m	0.520	0.325	0.217	0.131	0.131	0.303	0.190	0.126	0.097

Protection Conductors/

Conduttori di protezione

Cross-section/Sezione -S(Pe)	mm²	696	1,054	1,138	1,290	1,290	696	1,054	1,138	1,290
Cross-Section/Sezione equivalente in rame(=Cu)	mm²	417	632	683	774	774	417	632	683	774

Other features/ Altre

aratteristiche

	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
Voltage Drop with Distributed Load/ Caduta di tensione con carico distribuito ΔV=[V/m/A]10 ⁻⁶	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/ Peso - P	Kg/m	4.9	5.7	6.6	8.3	8.3	6.4	8.6	11.0	13.3
Overall Dimensions/ Dimensioni d'ingombro	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.

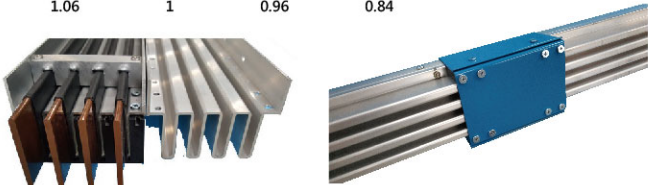
The Rated Current Should Be Derating as Shown Multipliers by Higher Ambient Temperatures.

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 For Assistant.

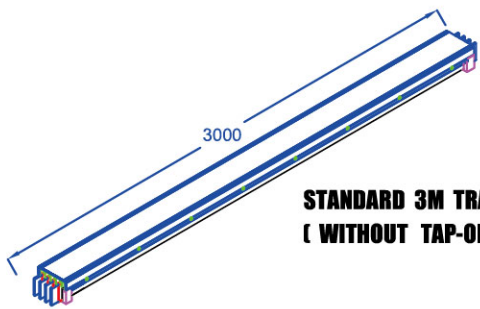
35°C	40°C	45°C	50°C
1.06	1	0.96	0.84



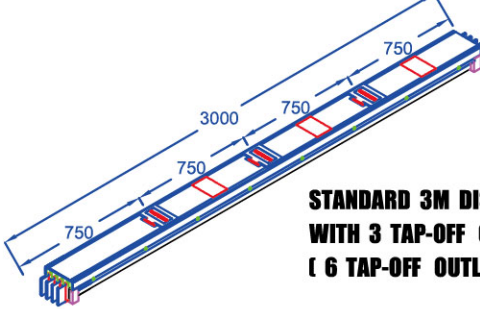
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TRANSPORTATION LENGTH & DISTRIBUTION LENGTH

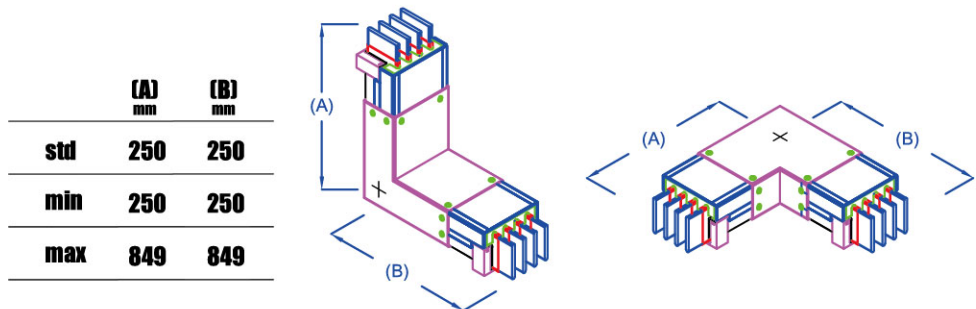


STANDARD 3M TRANSPORTATION LENGTH
(WITHOUT TAP-OFF OUTLET)



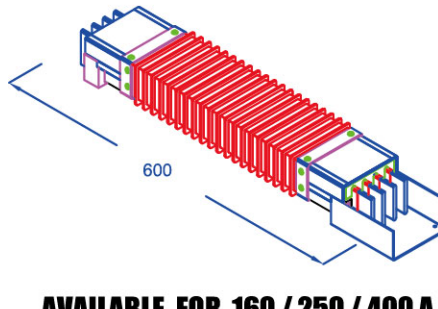
STANDARD 3M DISTRIBUTION LENGTH
WITH 3 TAP-OFF OUTLETS
(6 TAP-OFF OUTLETS BY REQUEST)

VERTICAL ELBOW & HORIZONTAL ELBOW



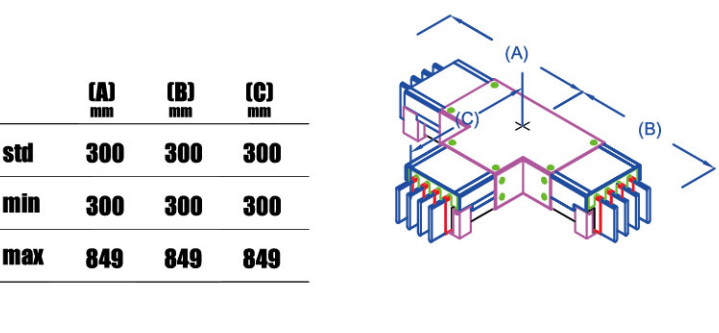
	(A) mm	(B) mm
std	250	250
min	250	250
max	849	849

FLEXIBLE ELEMENT



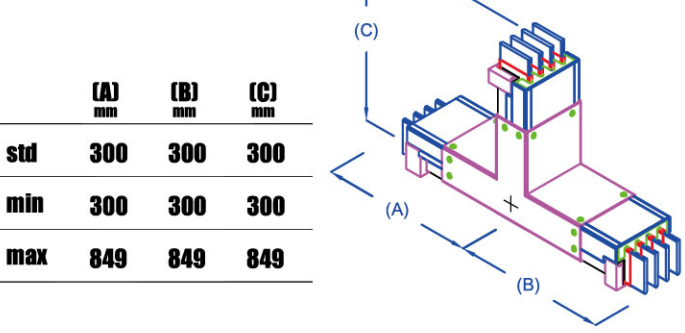
AVAILABLE FOR 160 / 250 / 400 A

HORIZONTAL TEE



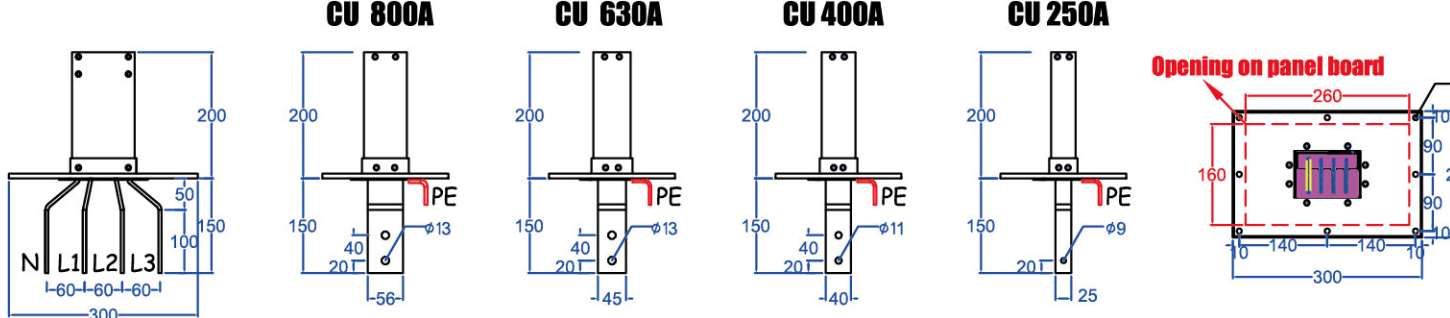
	(A) mm	(B) mm	(C) mm
std	300	300	300
min	300	300	300
max	849	849	849

VERTICAL TEE



	(A) mm	(B) mm	(C) mm
std	300	300	300
min	300	300	300
max	849	849	849

TERMINAL UNIT



Please Contact Local Agent or Factory for any other assistance

