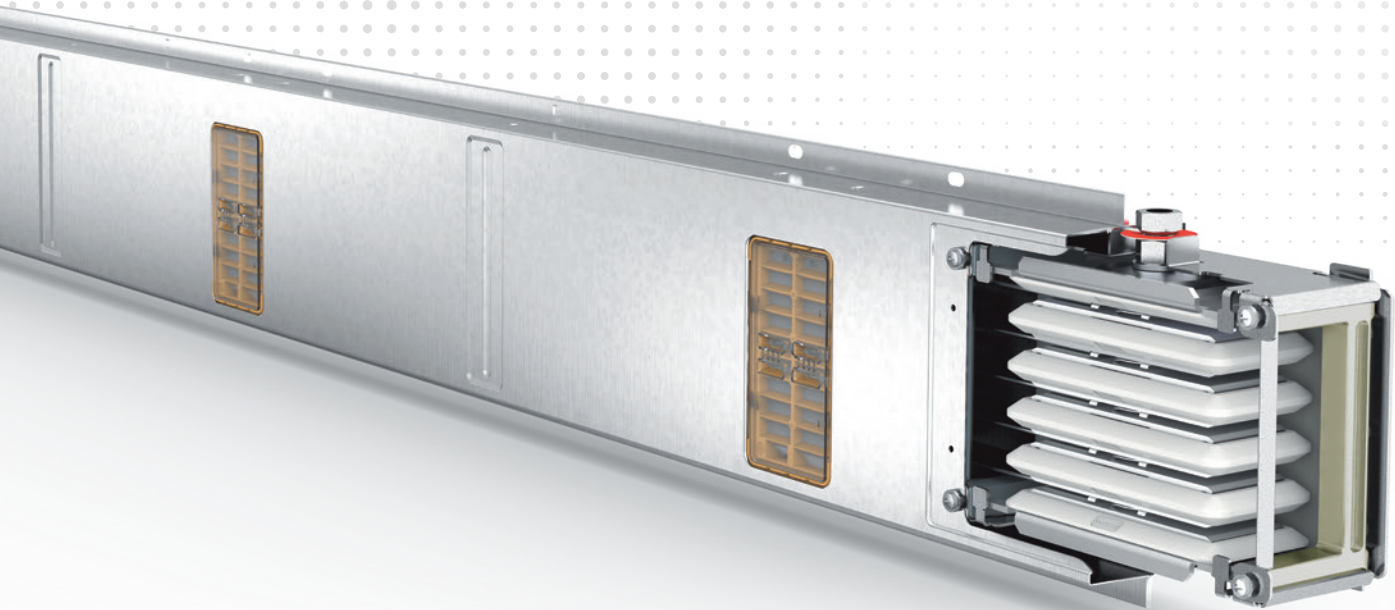


# XCM

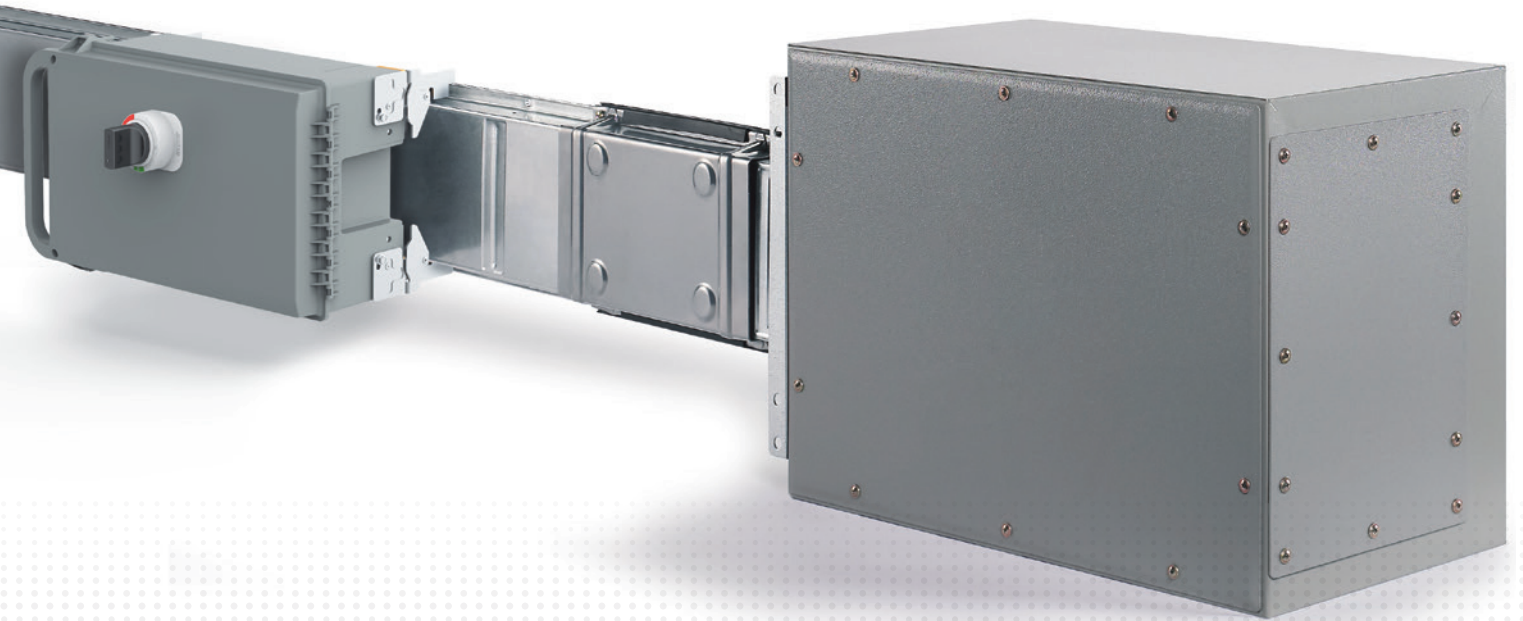


## ZUCCHINI BUSBAR FOR MEDIUM POWER APPLICATIONS



POWERED BY SPECIALISTS

 **legrand**<sup>®</sup>



# XCM BUSBAR

Performance  
and functionality in  
medium power

## BUSBAR FROM 160 TO 1000 A

**XCM** is dedicated to the distribution of power in medium to large installations, including rising mains, in commercial and residential buildings.

### Range

The main features of the **XCM range** are:

- speed, simplicity and flexibility during the installation and design of busbar route
- available in various sizes: from 160 A up to 1000 A with aluminium alloy conductors, and from 250 A to 1000 A with 99.9% electrolytic copper conductors
- compliance with the IEC 61439-6 standard
- reference ambient temperature 40 °C.

#### WIDE RANGE OF TAP-OFF BOXES

The range of tap-off boxes is capable of meeting all needs of the customer. Tap-off boxes from 32 A to 1000 A are available, inside which it is possible to house protection devices, such as fuses, MCBs and/or MCCBs.

#### QUALITY MATERIAL

Each component is made using high quality materials, in compliance with technical and safety requirements. During each stage of the manufacturing process, maximum attention is given to each and every element.

#### STURDINESS AND FUNCTIONALITY

XCM busbars guarantee maximum system functionality thanks to careful design of the components, easy installation and the construction characteristics, which make XCM busbars among the strongest on the market.

#### MAXIMUM ADVANTAGE IN DISTRIBUTION

The unique design of the XCM monobloc compensates the thermal expansion of conductors.

This is a key benefit for vertical (rising mains) applications as the system does not require busbar blocking elements, or thermal expansion elements.



## Applications

The typical applications for **XCM busbars** are:

- industrial
- commercial and residential
- hospitals
- data centre
- shopping centres

and everywhere there is the need for power distribution (up to 1000 A).



COMMERCIAL BUILDINGS



DATA CENTRE



INDUSTRIAL

## Installation accessories



Feed unit



Feed unit for switchboard and transformers



Horizontal elbow



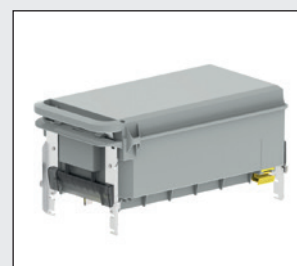
Vertical elbow



Intermediate feed unit



End cover



GRP tap-off box

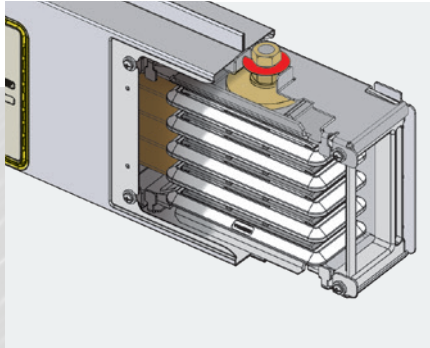


Metal tap-off box

# FEATURES

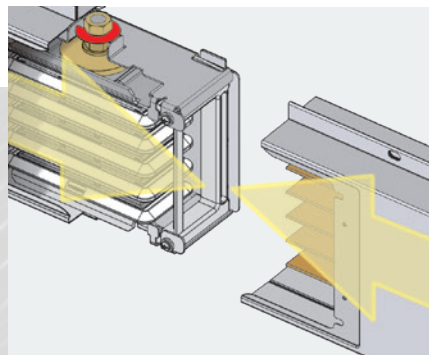
## PRE-ASSEMBLED MONOBLOC

All trunking components (straight lengths, elbows, etc.) are provided with a pre-assembled monobloc which considerably speeds up the installation of the system and makes transportation and storage operations easier.



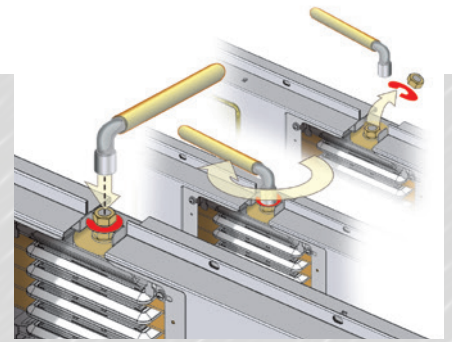
## EXTREMELY FAST INSTALLATION

The monobloc and the shearhead bolt allow for a very fast installation of the whole line.



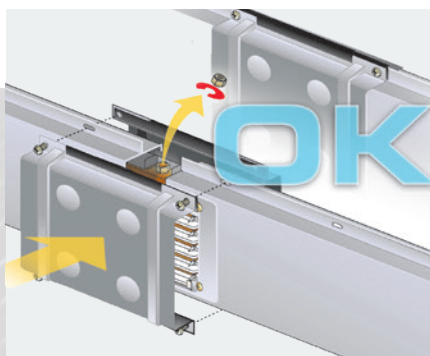
## DYNAMOMETRIC MONOBLOC

Tighten the shearhead bolt on the monobloc until the head breaks to electrically connect the elements. The breakage of the nut head guarantees long-lasting reliability and safety. The connection guarantees long-term reliability and safety. In case of a future modification on the line, the monobloc must be retightened using the second nut head with a torque wrench at the correct settings. For Zucchini XCM installation guide visit: [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides).



## CONNECTION FLANGES

If the monobloc has been tightened improperly, the head of the shearhead nut will prevent the mechanical coupling from closing. The connection flanges and seals serve as protection for the element during transportation and ensure their degree of protection as well as their mechanical rigidity when being installed.



## PROTECTION DEGREE

The XCM system has a standard IP55 protection when installed with the tap-off outlet cover.



## EXCELLENT FIRE RESISTANCE

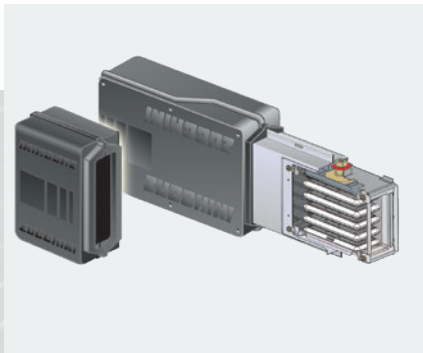
The XCM system has lengths provided with a fire barrier (EI according to EN 1366-3) and structures which guarantee a time resistance against propagation of flames, transmission of gases and transmission of heat. The fire load of XCM is extremely low compared to the quantity of plastic materials needed to insulate cables with the same capacity.





### GLOW-WIRE TEST

All plastic materials are resistant and in compliance with the 'glow-wire' test (IEC 60695-2-10).

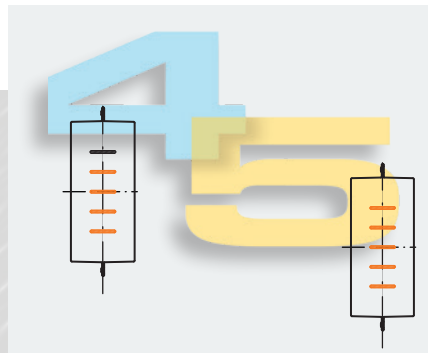


### VERSIONS

XCM is available in the following configurations:

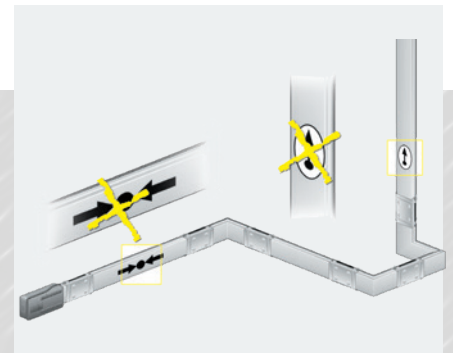
- 3P + N + PE casing
- 3P + N + PE
- 3P + N + FE + PE casing

All versions are available in a painted version (RAL to be defined by the customer).



### SIMPLE AND RELIABLE

The monobloc connection of the XCM line is able to compensate for any heat expansion affecting the conductors, thus avoiding the need to insert special expansion lengths even in considerably long systems. If the XCM line is installed vertically (riser main) there is no need to install busbar thrust units because the monobloc prevents the conductors from sliding.



### MAXIMUM STRENGTH

The XCM range has been designed and manufactured with a strong casing. The degree of impact resistance of the casing which houses this line is the maximum stated in IEC EN60068-2-62: IK10.

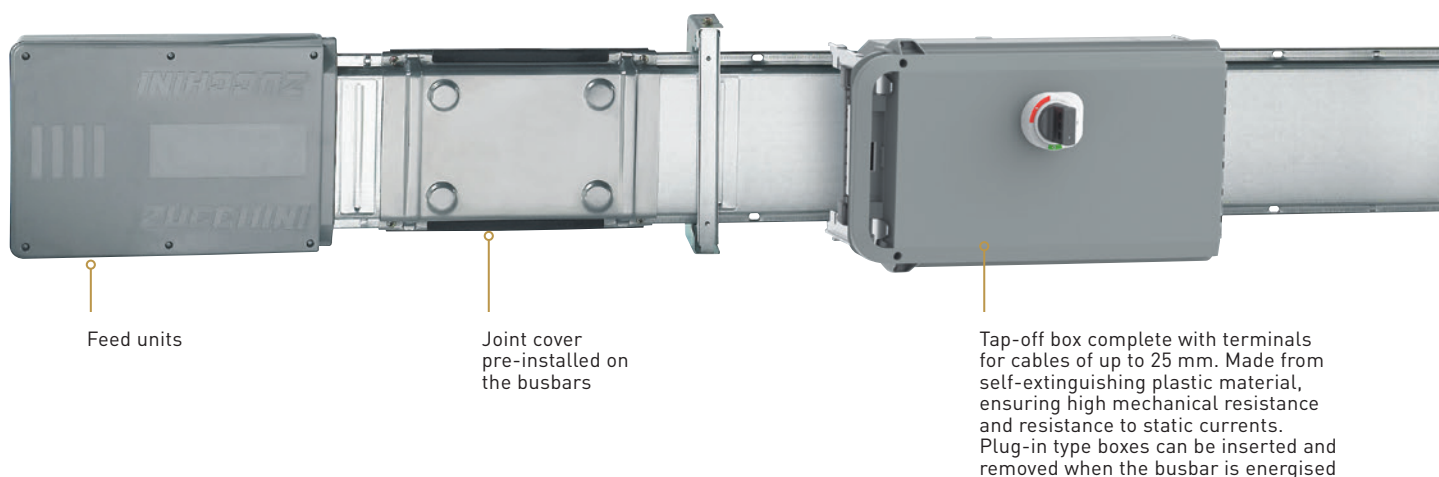


### ALUMINIUM AND COPPER RATING (A)

<b>Al</b>	160	250	315	400	500	630	800	1000
<b>Cu</b>	-	250	315	400	-	630	800	1000



# TRUNKING COMPONENTS AND ADDITIONAL ACCESSORIES



Feed units

Joint cover  
pre-installed on  
the busbars

Tap-off box complete with terminals  
for cables of up to 25 mm. Made from  
self-extinguishing plastic material,  
ensuring high mechanical resistance  
and resistance to static currents.  
Plug-in type boxes can be inserted and  
removed when the busbar is energised

Depending on installation requirements Legrand can provide various technical solutions:

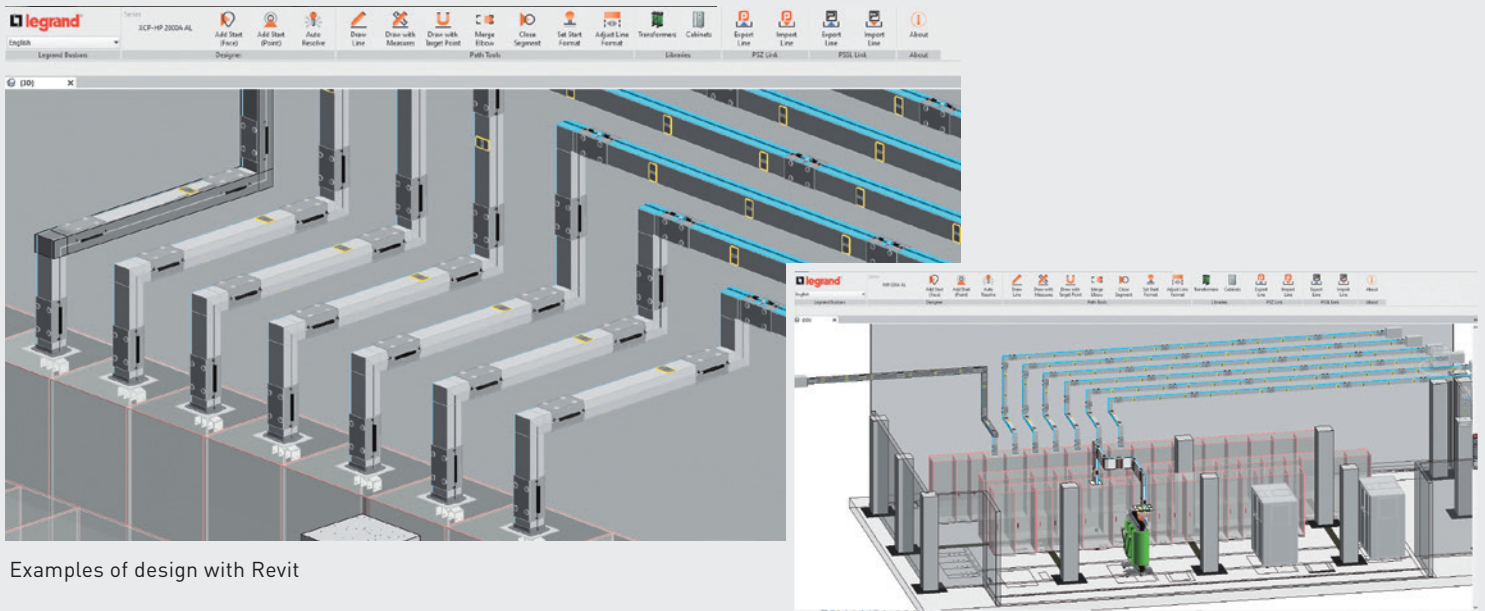
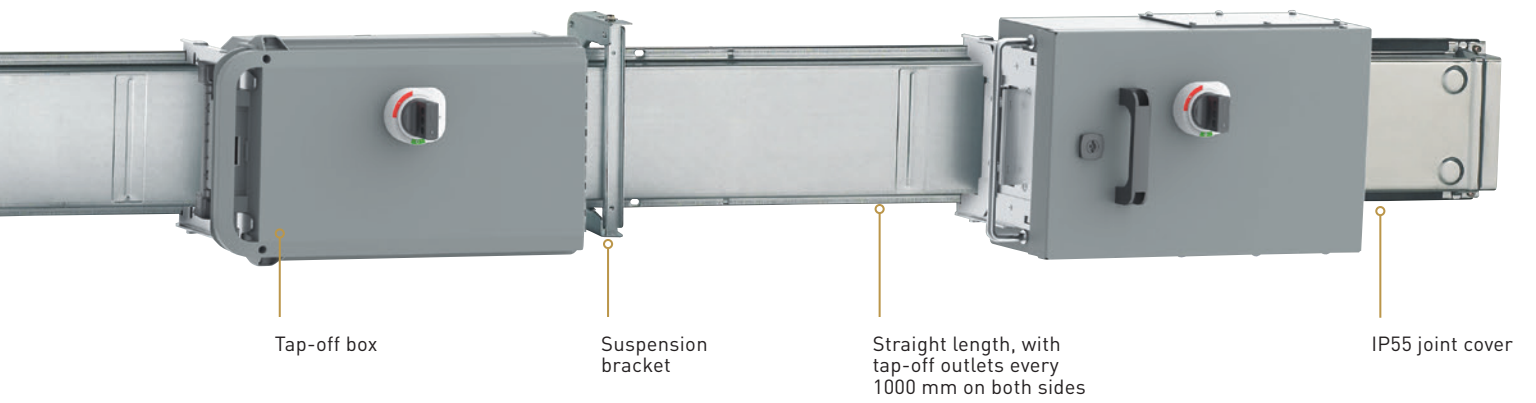
- a) 90° elbows: available for carrying out changes of direction both horizontally and vertically. There is a quick connection, as with the straight lengths. The standard degree of protection is IP55
- b) Tees, crossovers and double elbows available. The standard degree of protection is IP55
- c) straight lengths with fire barrier (internal + external) EI  
Tested in laboratories (in compliance with Standards EN 1366-3) to confirm that, if correctly installed, they maintain the intrinsic fire-resistant properties of the wall

d) straight lengths with 5 outlets on one side – ideal for riser mains

e) straight lengths with 5+5 outlets on both sides – ideal for data centre solutions

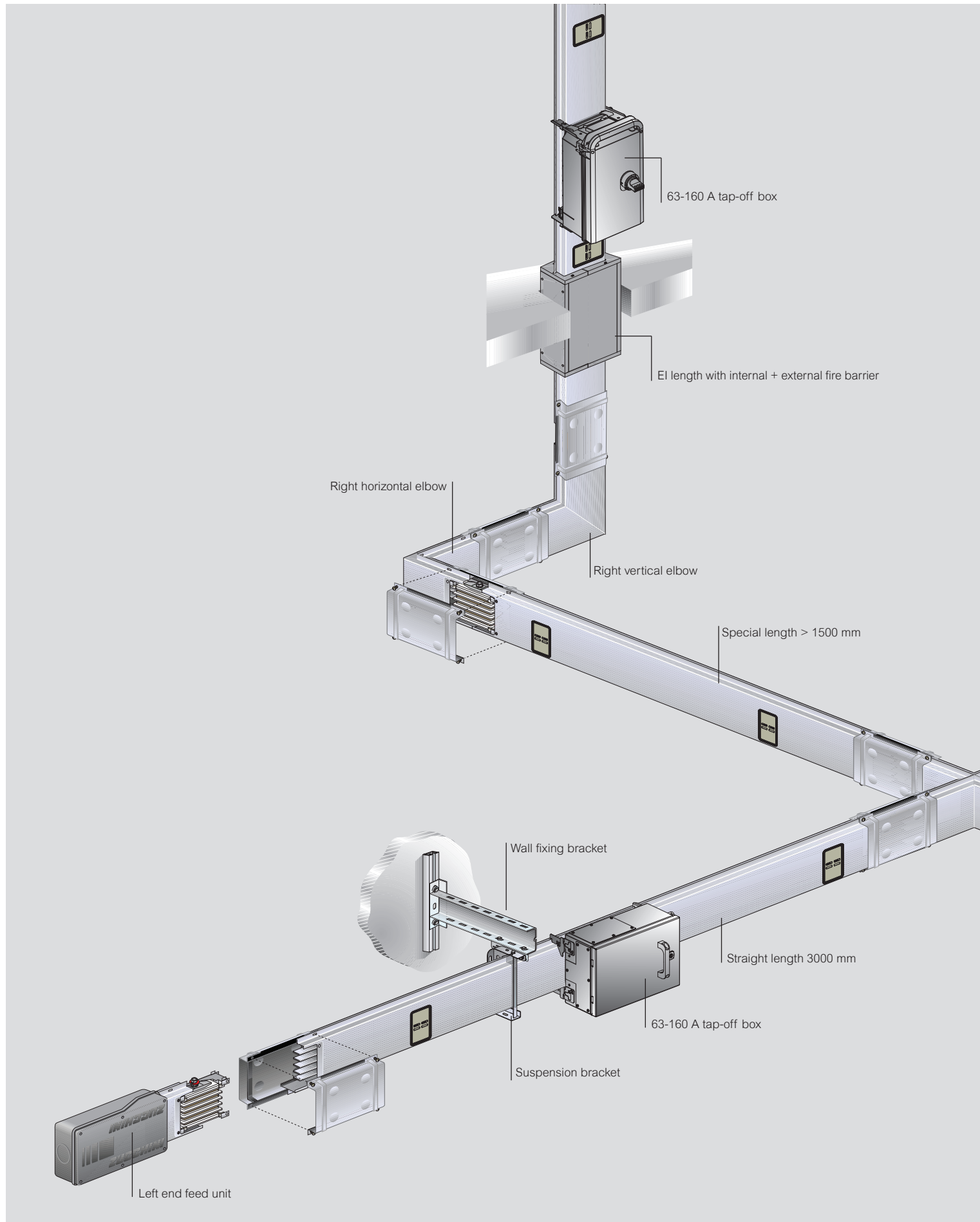
f) straight lengths with no outlets, used for energy transport only.



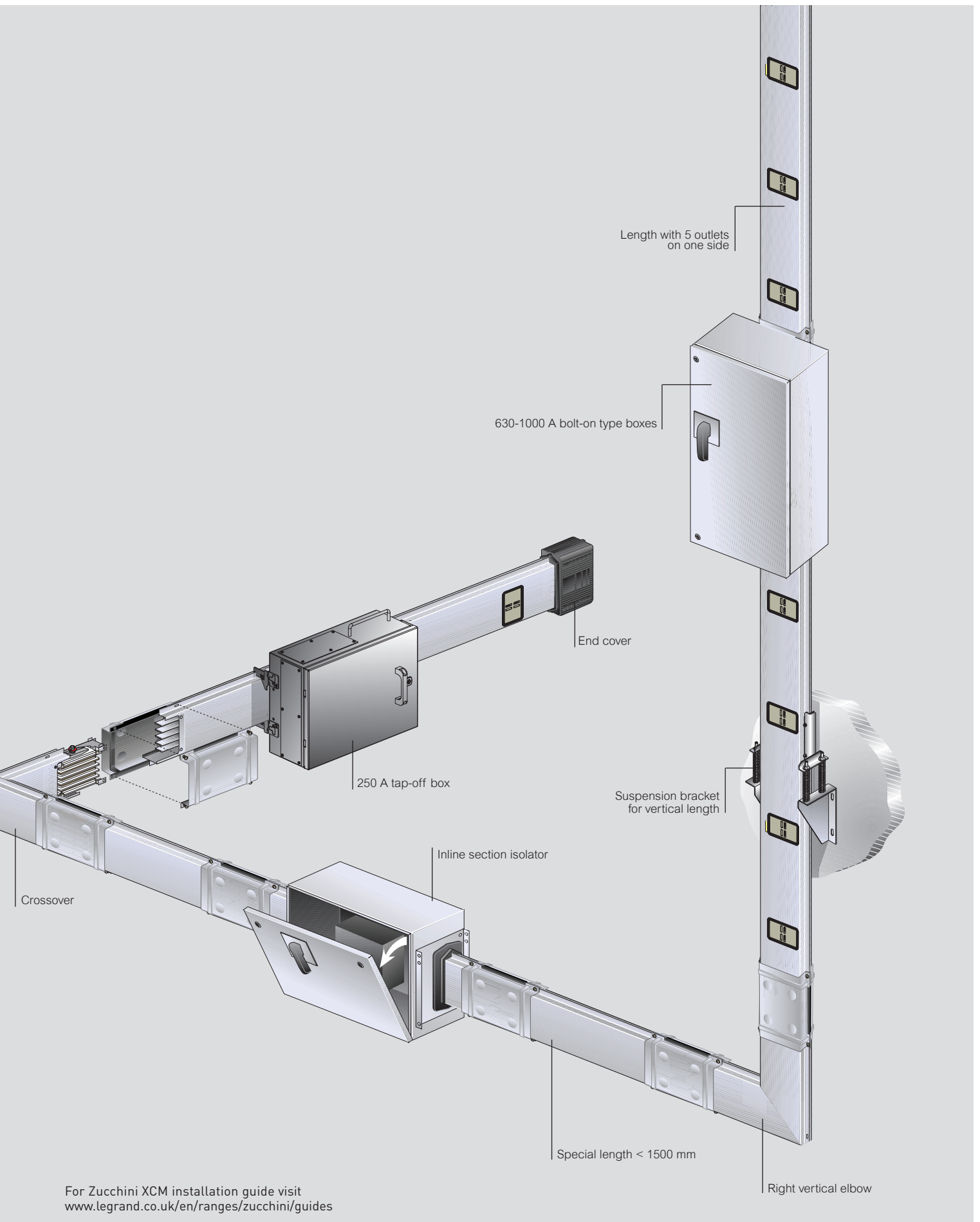


# XCM 160 - 1000 A

line route

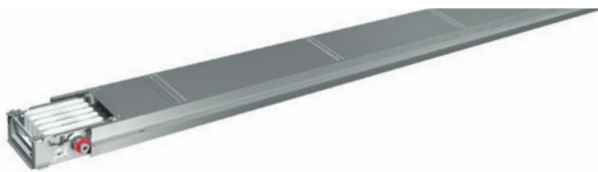






# XCM 160 - 1000 A

## straight lengths



53400111

Reference standard: IEC 61439-6

Reference temperature: 40 °C

Protection degree: IP55

Thickness: 0.8 mm

Dimension (LxH): 75-135x196mm

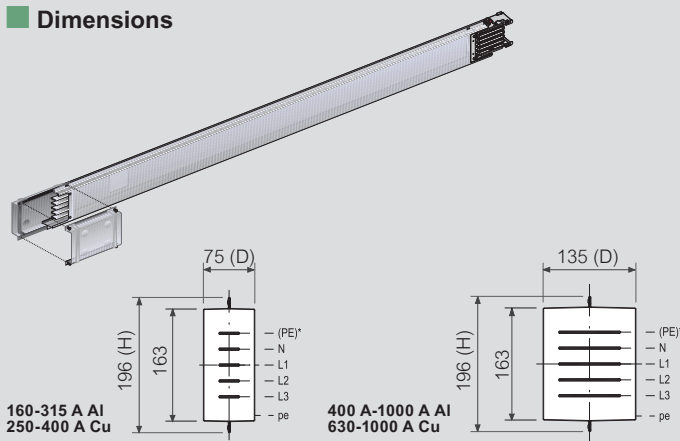
N° of conductors: 4 with equal section 3P+N or 5 (3P+N+PE)

Conducting 'flame retardant' in accordance with EN 60332-3

Separation between the conductors by plastic insulators reinforced with GRP, guarantees a degree of volatile organics self-extinguishing (according to UL94) and conform to the glow-wire test according to IEC 60695-2-10

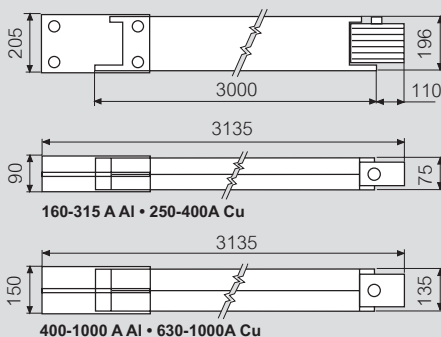
Pack	Cat. Nos.		ln (A)	L (mm)	Straight lengths without outlets
	Al	Cu			
1	53400111	-	160	600÷1500	
1	53400112	56400112	250		
1	53400113	56400113	315		
1	53400114	56400114	400		
1	53400118	-	500		
1	53400115	56400115	630		
1	53400116	56400116	800		
1	53400117	56400117	1000		
1	53400121	-	160	1501÷2999	
1	53400122	56400122	250		
1	53400123	56400123	315		
1	53400124	56400124	400		
1	53400128	-	500		
1	53400125	56400125	630		
1	53400126	56400126	800		
1	53400127	56400127	1000		
1	53400241	-	160	3000	
1	53400242	56400242	250		
1	53400243	56400243	315		
1	53400244	56400244	400		
1	53400248	-	500		
1	53400245	56400245	630		
1	53400246	56400246	800		
1	53400247	56400247	1000		

## Dimensions

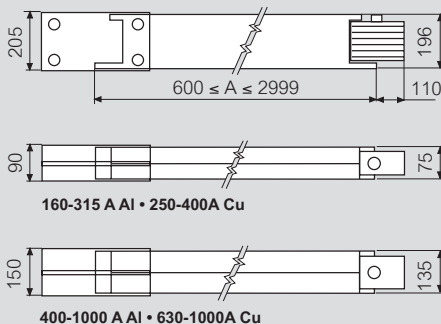


\* for 3P+N+PE and 3P+N+FE+PE casing

### For straight lengths = 3000 mm



### For straight lengths at measurement from 600 mm to 2999 mm



When placing your order please specify the required length (see p. 33 : How to take measurements)

ln (A)	Al	Weight (kg)	Cu	Weight (kg)
160	53400111	13.6	-	-
250	53400112	14.1	56400112	16.5
315	53400113	14.9	56400113	17.7
400	53400114	23.3	56400114	22.0
500	53400118	25.2	-	-
630	53400115	26.9	56400115	34.3
800	53400116	28.0	56400116	42.2
1000	53400117	30.1	56400117	47.8
160	53400121	13.6	-	-
250	53400122	14.1	56400122	16.5
315	53400123	14.9	56400123	17.7
400	53400124	23.3	56400124	22.0
500	53400128	25.2	-	-
630	53400125	26.9	56400125	34.3
800	53400126	28.0	56400126	42.2
1000	53400127	30.1	56400127	47.8
160	53400241	19.9	-	-
250	53400242	20.9	56400242	25.7
315	53400243	22.8	56400243	28.1
400	53400244	33.8	56400244	36.9
500	53400248	37.5	-	-
630	53400245	41.7	56400245	56.0
800	53400246	44.3	56400246	72.1
1000	53400247	46.8	56400247	83.7

In the case of transport of electric energy it is recommended to use XCP busbar trunking

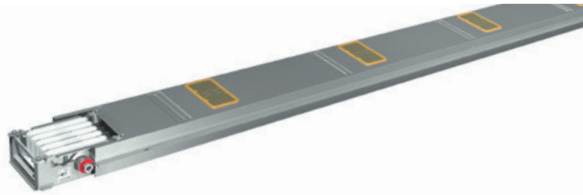
All dimensions (mm) are nominal

Key : How to select the correct configuration and finish  
 All examples on this page show 4 conductor galvanised lengths  
 No. of conductors and finish is dictated by the blue number  
 Replace 0 with 1, 2 or 3 if required  
 0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
 1 - 3P + N + PE\*            3 - 3P + N + PE (painted version)\*  
 \* Item code-E5 = 3P + N + FE + PE casing



# XCM 160 - 1000 A

## straight lengths (continued)



53400104

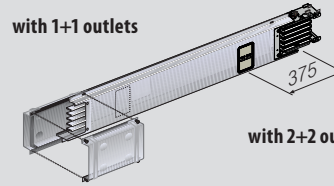
Reference standard: IEC 61439-6  
 Reference temperature: 40 °C  
 Protection degree: IP55  
 Thickness: 0.8 mm  
 Dimension (LxH): 75-135x196mm  
 N° of conductors: 4 with equal section 3P+N or 5 (3P+N+PE)  
 Conducting 'flame retardant' in accordance with EN 60332-3  
 Separation between the conductors by plastic insulators reinforced with fibreglass, guarantees a degree of V0 self-extinguishing (according to UL94) and conform to the glow-wire test according to IEC 60695-2-10

Pack	Cat. Nos.		Straight lengths with outlets		
	Al	Cu	In (A)	L (mm)	N° windows
1	53400141	-	160	1000±1500	1+1
1	53400142	56400142	250		
1	53400143	56400143	315		
1	53400144	56400144	400		
1	53400148	-	500		
1	53400145	56400145	630		
1	53400146	56400146	800		
1	53400147	56400147	1000		
1	53400151	-	160	1501±2999	2+2
1	53400152	56400152	250		
1	53400153	56400153	315		
1	53400154	56400154	400		
1	53400158	-	500		
1	53400155	56400155	630		
1	53400156	56400156	800		
1	53400157	56400157	1000		
1	53400101	-	160	3000	3+3
1	53400102	56400102	250		
1	53400103	56400103	315		
1	53400104	56400104	400		
1	53400108	-	500		
1	53400105	56400105	630		
1	53400106	56400106	800		
1	53400107	56400107	1000		
1	53400251	-	160	3000	5
1	53400252	56400252	250		
1	53400253	56400253	315		
1	53400254	56400254	400		
1	53400258	-	500		
1	53400255	56400255	630		
1	53400256	56400256	800		
1	53400257	56400257	1000		

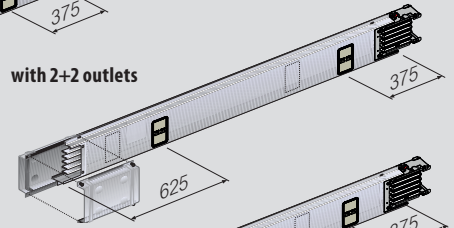
Key : How to select the correct configuration and finish  
 All examples on this page show 4 conductor galvanised lengths  
 No. of conductors and finish is dictated by the blue number  
 Replace 0 with 1, 2 or 3 if required  
 0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
 1 - 3P + N + PE\*              3 - 3P + N + PE (painted version)\*  
 \* Item code-E5 = 3P + N + FE + PE casing

### Dimensions

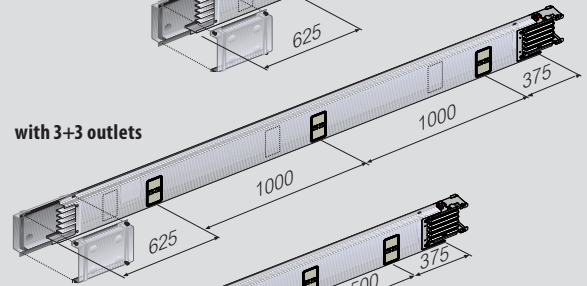
with 1+1 outlets



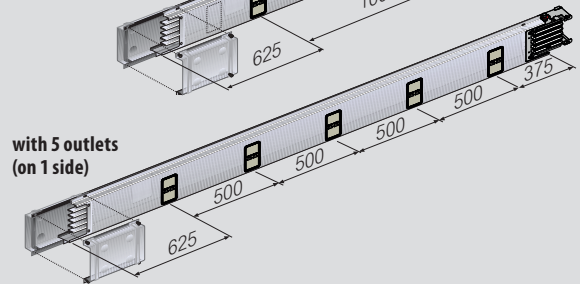
with 2+2 outlets



with 3+3 outlets



with 5 outlets (on 1 side)



1+1 outlets				
In (A)	Al	Weight (kg)	Cu	Weight (kg)
160	53400141	13.6	-	-
250	53400142	14.1	56400142	16.5
315	53400143	14.9	56400143	17.7
400	53400144	23.3	56400144	22.0
500	53400148	25.2	-	-
630	53400145	26.9	56400145	34.3
800	53400146	28.0	56400146	42.2
1000	53400147	30.1	56400147	47.8

2+2 outlets				
In (A)	Al	Weight (kg)	Cu	Weight (kg)
160	53400151	13.6	-	-
250	53400152	14.1	56400152	16.5
315	53400153	14.9	56400153	17.7
400	53400154	23.3	56400154	22.0
500	53400158	25.2	-	-
630	53400155	26.9	56400155	34.3
800	53400156	28.0	56400156	42.2
1000	53400157	30.1	56400157	47.8

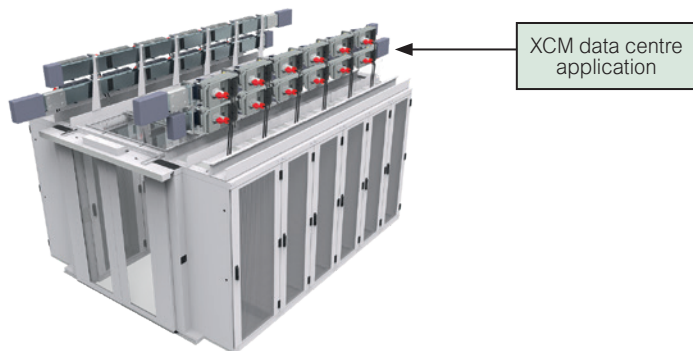
3+3 outlets				
In (A)	Al	Weight (kg)	Cu	Weight (kg)
160	53400101	19.9	-	-
250	53400102	20.9	56400102	25.7
315	53400103	22.8	56400103	28.1
400	53400104	33.8	56400104	36.9
500	53400108	37.5	-	-
630	53400105	41.7	56400105	56.0
800	53400106	44.3	56400106	72.1
1000	53400107	46.8	56400107	83.7

5 outlets on 1 side				
In (A)	Al	Weight (kg)	Cu	Weight (kg)
160	53400251	19.9	-	-
250	53400252	20.9	56400252	25.7
315	53400253	22.8	56400253	28.1
400	53400254	33.8	56400254	36.9
500	53400258	37.5	-	-
630	53400255	41.7	56400255	56.0
800	53400256	44.3	56400256	72.1
1000	53400257	46.8	56400257	83.7

All dimensions (mm) are nominal

# XCM 160 - 1000 A

indoor applications - data centre straight lengths (IP40)



XCM data centre application

Pack	Cat. Nos.	Straight lengths			
		AI	In (A)	L (mm)	N° outlets (STEP 600 mm)
1	53400261-1200	160	1200	2+2	6.7
1	53400262-1200	250			7.4
1	53400263-1200	315			8.2
1	53400264-1200	400			12.6
1	53400268-1200	500			14.1
1	53400265-1200	630			15.7
1	53400266-1200	800			16.8
1	53400267-1200	1000			17.8
1	53400261-2400	160	2400	4+4	15.6
1	53400262-2400	250			17.1
1	53400263-2400	315			18.7
1	53400264-2400	400			27.5
1	53400268-2400	500			30.4
1	53400265-2400	630			33.8
1	53400266-2400	800			35.9
1	53400267-2400	1000			37.9
1	53400261-3000	160	3000	5+5	20.1
1	53400262-3000	250			22.0
1	53400263-3000	315			23.9
1	53400264-3000	400			34.9
1	53400268-3000	500			38.6
1	53400265-3000	630			42.8
1	53400266-3000	800			45.4
1	53400267-3000	1000			47.9

Pack	Cat. Nos.	AI	In (A)	L (mm)	N° outlets (STEP 800 mm)	Weight (kg)
						Weight (kg)
1	53400271-1600	160	1600	2+2	9.3	
1	53400272-1600	250			10.4	
1	53400273-1600	315			11.4	
1	53400274-1600	400			17.2	
1	53400278-1600	500			19.2	
1	53400275-1600	630			21.4	
1	53400276-1600	800			22.8	
1	53400277-1600	1000			24.2	
1	53400271-2400	160	2400	3+3	15.6	
1	53400272-2400	250			17.1	
1	53400273-2400	315			18.7	
1	53400274-2400	400			27.5	
1	53400278-2400	500			30.4	
1	53400275-2400	630			33.8	
1	53400276-2400	800			35.9	
1	53400277-2400	1000			37.9	

For the version with copper conductors please contact technical support on +44 (0) 370 608 9020

The straight lengths for data centres are available with IP40 protection, which is suitable for installation in the white space

For the brackets see p. 28-29

Pack	Cat. Nos.	End cover IP40	Weight (kg)
1	50403103	XCM end cover IP40 LOW	0.77
1	50403104	XCM end cover IP40 HIGH	1.13

LOW profile: from 160 A to 315 A AI  
from 250 A to 400 A Cu  
HIGH profile: from 400 A to 1000 A AI  
from 630 A to 1000 A Cu  
For feed units see p. 18

Straight lengths have a distance between outlets of 600 mm or 800 mm; in this way tap-off boxes are centred with the cabinet containing racks they should be connected with  
It allows, in case of failure, rapid identification and intervention on the non-functioning rack  
See opposite page for an example of connection between the cabinet containing rack and straight lengths

Standard tap-off boxes are also suitable for installation in data centres

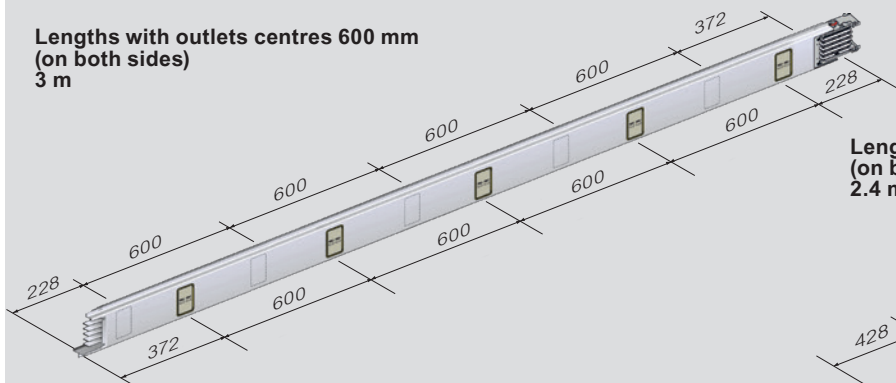
Key : How to select the correct configuration and finish  
All examples on this page show 4 conductor galvanised lengths  
No. of conductors and finish is dictated by the blue number  
Replace 0 with 1, 2 or 3 if required  
0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
1 - 3P + N + PE\*          3 - 3P + N + PE (painted version)\*  
\* Item code-E5 = 3P + N + FE + PE casing

# XCM 160 - 1000 A

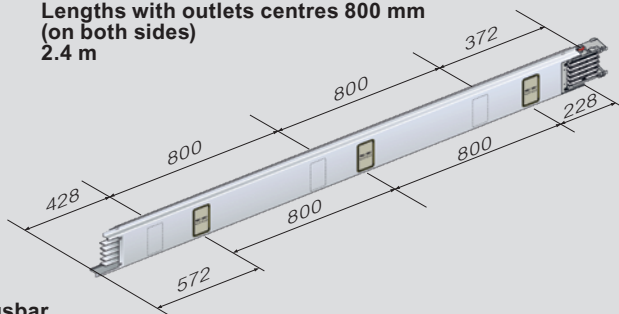
## data centre straight lengths and fire barrier EI

### ■ Dimensions

Lengths with outlets centres 600 mm  
(on both sides)  
3 m

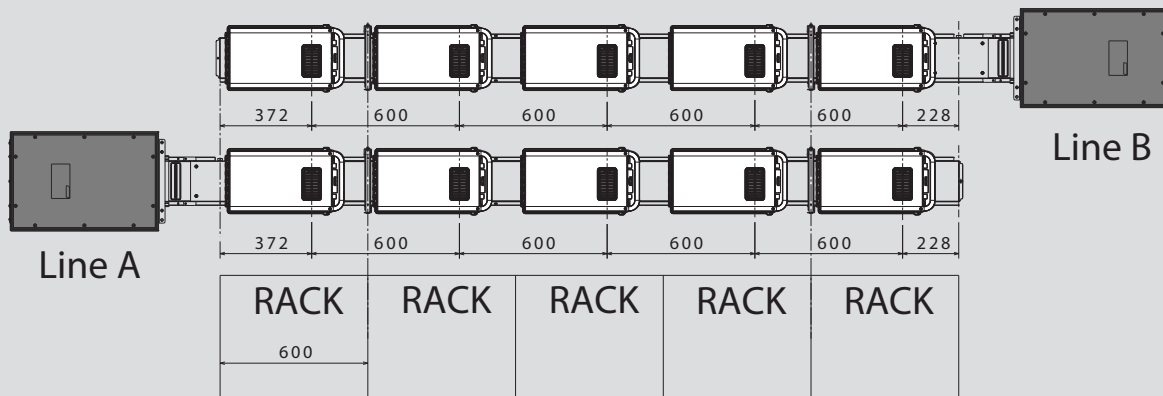


Lengths with outlets centres 800 mm  
(on both sides)  
2.4 m



### Example of connection between the cabinet containing 600 mm rack and busbar

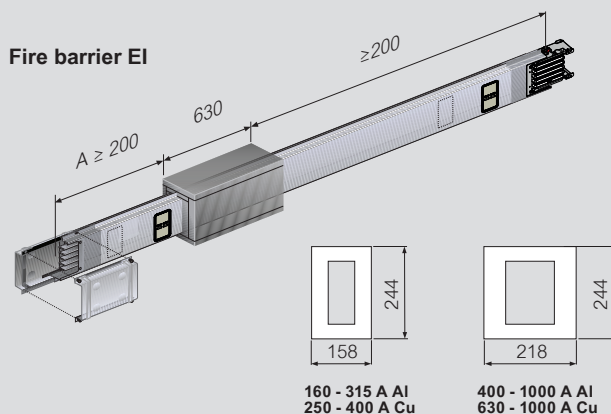
Straight lengths 3 m with 5 + 5 outlets centres 600 mm  
Line A: FRONT side is dedicated to supply of power, BACK side for the backup  
Line B: FRONT and BACK side are dedicated for backup



### ■ Fire barrier EI

Pack	Cat. Nos.				No. of conductors	In (A)
	Al		Cu			
	External	Internal	External	Internal		
1	554EFB01	564IFB01	-	-	4	160
1	554EFB01	564IFB02	554EFB01	564IFB01		250
1	554EFB01	564IFB03	554EFB01	564IFB02		315
1	554EFB02	564IFB04	554EFB01	564IFB05		400
1	554EFB02	564IFB06	-	-		500
1	554EFB02	564IFB07	554EFB02	564IFB04		630
1	554EFB02	564IFB08	554EFB02	564IFB06		800
1	554EFB02	564IFB09	554EFB02	564IFB07		1000
1	554EFB01	554IFB11	-	-		5
1	554EFB01	554IFB12	554EFB01	554IFB11	250	
1	554EFB01	554IFB13	554EFB01	554IFB12	315	
1	554EFB02	554IFB14	554EFB01	554IFB15	400	
1	554EFB02	554IFB16	-	-	500	
1	554EFB02	554IFB17	554EFB02	554IFB14	630	
1	554EFB02	554IFB18	554EFB02	554IFB16	800	
1	554EFB02	564IFB19	554EFB02	554IFB17	1000	

### ■ Dimensions



When ordering, specify the dimension A = ..... mm of the element that will be equipped with the fire barrier

The internal fire barrier is 630 mm long

All dimensions (mm) are nominal



# XCM 160 - 1000 A

## elbows



Horizontal elbow  
53400301



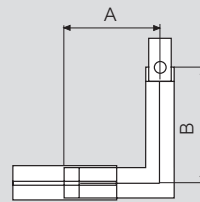
Vertical elbow  
53400401

Pack	Cat. Nos.				In (A)	Type
	Standard dimensions (300+300mm)		Bespoke dimensions* see dimension (mm) MIN & MAX			
	Al	Cu	Al	Cu		
1	53400301	-	53400321	-	160	Horizontal right
1	53400302	56400302	53400322	56400322	250	
1	53400303	56400303	53400323	56400323	315	
1	53400304	56400304	53400324	56400324	400	
1	53400308	-	53400328	-	500	
1	53400305	56400305	53400325	56400325	630	
1	53400306	56400306	53400326	56400326	800	
1	53400307	56400307	53400327	56400327	1000	
1	53400311	-	53400331	-	160	Horizontal left
1	53400312	56400312	53400332	56400332	250	
1	53400313	56400313	53400333	56400333	315	
1	53400314	56400314	53400334	56400334	400	
1	53400318	-	53400338	-	500	
1	53400315	56400315	53400335	56400335	630	
1	53400316	56400316	53400336	56400336	800	
1	53400317	56400317	53400337	56400337	1000	
1	53400401	-	53400421	-	160	Vertical right
1	53400402	56400402	53400422	56400422	250	
1	53400403	56400403	53400423	56400423	315	
1	53400404	56400404	53400424	56400424	400	
1	53400408	-	53400428	-	500	
1	53400405	56400405	53400425	56400425	630	
1	53400406	56400406	53400426	56400426	800	
1	53400407	56400407	53400427	56400427	1000	
1	53400411	-	53400431	-	160	Vertical left
1	53400412	56400412	53400432	56400432	250	
1	53400413	56400413	53400433	56400433	315	
1	53400414	56400414	53400434	56400434	400	
1	53400418	-	53400438	-	500	
1	53400415	56400415	53400435	56400435	630	
1	53400416	56400416	53400436	56400436	800	
1	53400417	56400417	53400437	56400437	1000	

### Elbows

### Dimensions

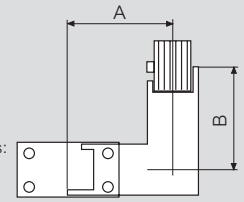
#### Horizontal elbow



Standard dimensions:  
A = 300 mm  
B = 300 mm

Dimension (mm)	MIN	MAX
A	250	899
B	250	899

#### Vertical elbow



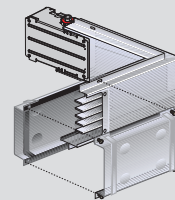
Dimension (mm)	MIN	MAX
A	300	899
B	300	899

In (A)	Al Weight (kg)	Cu Weight (kg)
160	8.1	-
250	8.2	9.2
315	8.4	9.6
400	14.5	11.0
500	14.9	-
630	15.4	18.7
800	15.7	21.4
1000	16.0	23.3

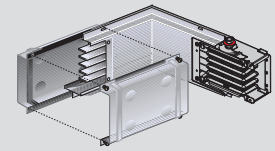
The weights indicated in the table refer to the standard elements (300 + 300 mm)

### Type of elbows

#### Horizontal elbow

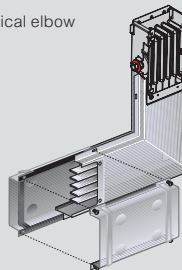


Right

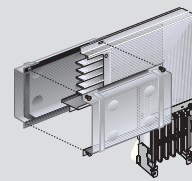


Left

#### Vertical elbow



Right



Left

All dimensions (mm) are nominal

**Key :** How to select the correct configuration and finish  
 All examples on this page show 4 conductor galvanised lengths  
 No. of conductors and finish is dictated by the **blue** number  
 Replace 0 with 1, 2 or 3 if required  
 0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
 1 - 3P + N + PE\*              3 - 3P + N + PE (painted version)\*  
 \* Item code-E5 = 3P + N + FE + PE casing

\* For all the non standard angles, it is possible to have only one of the two sides in size exceeding 600 mm. For example, when ordering a horizontal angle with size A = 650 mm, the B size will have to be ≤ 600 mm

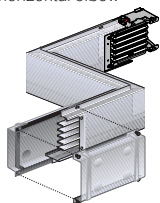
In your purchase order please specify the required length (see p. 33: How to take measurements).

# XCM 160 - 1000 A

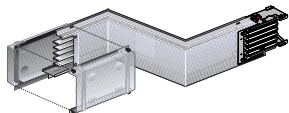
## elbows (continued)

### Type of double elbows on request

Double horizontal elbow

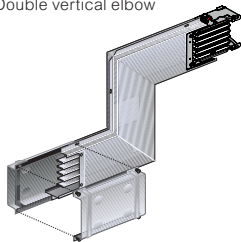


Right + Left

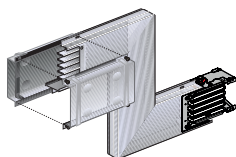


Left + Right

Double vertical elbow



Right + Left



Left + Right

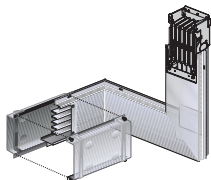
Double horizontal elbow + vertical elbow



Right + Right



Right + Left



Left + Right

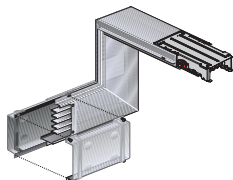


Left + Left

Double vertical elbow + horizontal elbow



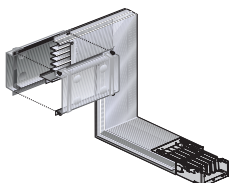
Right + Right



Right + Left



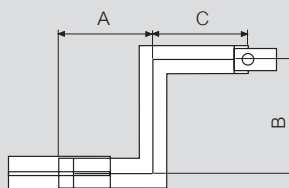
Left + Right



Left + Left

### ■ Dimensions

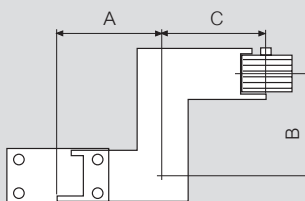
#### Double Horizontal



	Dimension (mm)	
	Min.	Max.
<b>A</b>	250	899
<b>B</b>	100	599
<b>C</b>	250	899

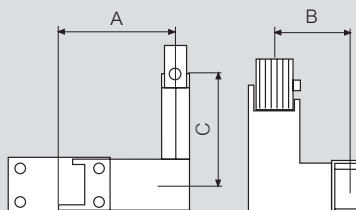
In (A)	Weight (kg) for Double Horizontal Double Vertical	
	Al	Cu
<b>160</b>	10.29	-
<b>250</b>	10.55	12.23
<b>315</b>	11.06	12.97
<b>400</b>	18.37	15.72
<b>500</b>	19.50	-
<b>630</b>	20.55	25.77
<b>800</b>	21.20	30.88
<b>1000</b>	21.80	34.55

#### Double Vertical



	Dimension (mm)	
	Min.	Max.
<b>A</b>	300	899
<b>B</b>	100	599
<b>C</b>	300	899

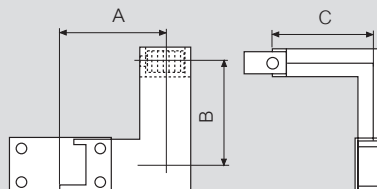
#### Double Horizontal + Vertical



	Dimension (mm)	
	Min.	Max.
<b>A</b>	250	899
<b>B</b>	200	599
<b>C</b>	300	899

In (A)	Weight (kg) for Double Horizontal+Vertical and Double Vertical+Horizontal	
	Al	Cu
<b>160</b>	10.29	-
<b>250</b>	10.55	12.23
<b>315</b>	11.06	12.97
<b>400</b>	18.37	15.72
<b>500</b>	19.50	-
<b>630</b>	20.55	25.77
<b>800</b>	21.20	30.88
<b>1000</b>	21.80	34.55

#### Double Vertical + Horizontal



	Dimension (mm)	
	Min.	Max.
<b>A</b>	300	899
<b>B</b>	200	599
<b>C</b>	250	899

The weights indicated in the tables refer to the standard elements (300 + 300 + 300 mm)

\* For all the non standard elbow, it is possible to have only one of the three sides in size exceeding 600 mm. For example, when ordering a double horizontal angle with size A = 650 mm, the B and C size will have to be ≤ 600 mm

Special dimensions are available on request, please contact technical support on +44 (0) 370 608 9020

All dimensions (mm) are nominal

# XCM 160 - 1000 A

## horizontal 'T' elements

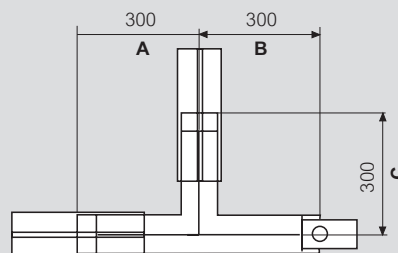


53400711

The various versions allow any type of route and are different from the monoblocs position and branch point  
Special dimensions are available on request please contact technical support on +44 (0) 370 608 9020

Pack	Cat. Nos.		Horizontal standard 'T' elements (300 + 300 + 300 mm)	
	Al	Cu	In (A)	Type
1	53400701	-	160	Right 1
1	53400702	56400702	250	
1	53400703	56400703	315	
1	53400704	56400704	400	
1	53400708	-	500	
1	53400705	56400705	630	
1	53400706	56400706	800	
1	53400707	56400707	1000	
1	53400711	-	160	Right 2
1	53400712	56400712	250	
1	53400713	56400713	315	
1	53400714	56400714	400	
1	53400718	-	500	
1	53400715	56400715	630	
1	53400716	56400716	800	
1	53400717	56400717	1000	
1	53400721	-	160	Left 1
1	53400722	56400722	250	
1	53400723	56400723	315	
1	53400724	56400724	400	
1	53400728	-	500	
1	53400725	56400725	630	
1	53400726	56400726	800	
1	53400727	56400727	1000	
1	53400731	-	160	Left 2
1	53400732	56400732	250	
1	53400733	56400733	315	
1	53400734	56400734	400	
1	53400738	-	500	
1	53400735	56400735	630	
1	53400736	56400736	800	
1	53400737	56400737	1000	

### Dimensions



Dimension (mm)		
	Min.	Max.
A	300	899
B	300	899
C	300	899

In (A)	Weight (kg)	
	Al	Cu
160	11.2	-
250	11.4	12.8
315	11.8	13.4
400	18.4	15.7
500	19.5	-
630	20.0	24.4
800	20.5	28.5
1000	20.5	31.3

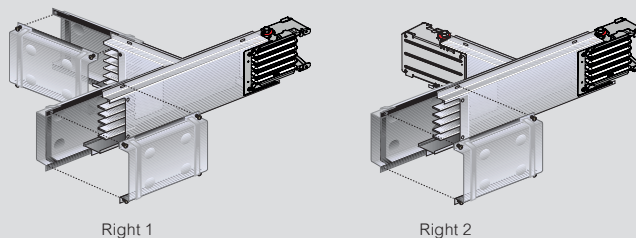
The weights indicated in the tables refer to the standard elements (300 + 300 + 300 mm)

\* For non standard 'T' elements, it is possible to have only one of the three sides in size exceeding 600 mm. For example, when ordering a horizontal 'T' element with size A = 650 mm, B and C sizes will have to be ≤ 600 mm

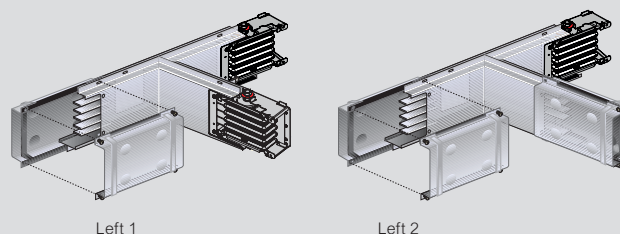
For horizontal 'T' special dimensions (not standard) and vertical 'T' elements, please contact technical support on +44 (0) 370 608 9020

### Type of horizontal standard 'T' elements

#### Right 'T' elements



#### Left 'T' elements

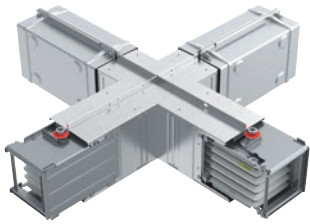


Key : How to select the correct configuration and finish  
All examples on this page show 4 conductor galvanised lengths  
No. of conductors and finish is dictated by the blue number  
Replace 0 with 1, 2 or 3 if required  
0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
1 - 3P + N + PE\*            3 - 3P + N + PE (painted version)\*  
\* Item code-E5 = 3P + N + FE + PE casing

All dimensions (mm) are nominal

# XCM 160 - 1000 A

## crossovers



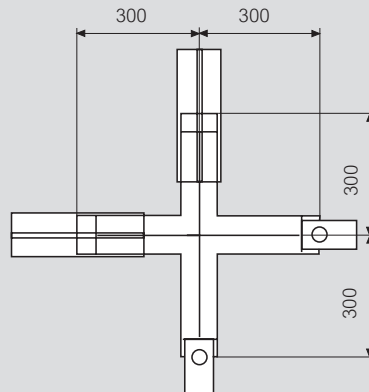
53403004

Pack	Cat. Nos.		In (A)
	Al	Cu	
1	<b>53403001</b>	-	160
1	<b>53403002</b>	<b>56403002</b>	250
1	<b>53403003</b>	<b>56403003</b>	315
1	<b>53403004</b>	<b>56403004</b>	400
1	<b>53403008</b>	-	500
1	<b>53403005</b>	<b>56403005</b>	630
1	<b>53403006</b>	<b>56403006</b>	800
1	<b>53403007</b>	<b>56403007</b>	1000

**Standard crossovers  
(300 + 300 + 300 + 300 mm)**

Special dimensions (not standard) are available on request, please contact technical support on +44 (0) 370 608 9020

### Dimensions



In (A)	Weight (kg)	
	Al	Cu
<b>160</b>	15.5	-
<b>250</b>	15.7	17.6
<b>315</b>	16.1	18.4
<b>400</b>	27.5	21.1
<b>500</b>	29.1	-
<b>630</b>	29.3	35.2
<b>800</b>	29.5	40.2
<b>1000</b>	29.9	43.7

The weights indicated in the tables refer to the standard elements (300 + 300 + 300 + 300 mm)

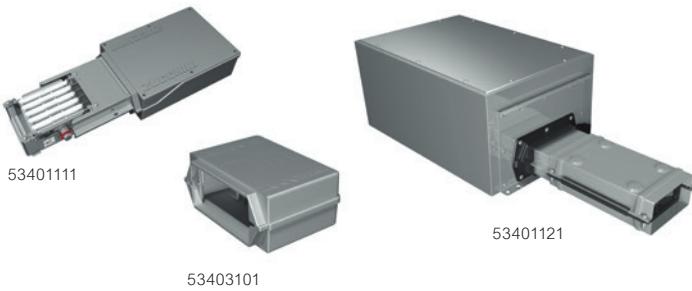
Key : How to select the correct configuration and finish  
 All examples on this page show 4 conductor galvanised lengths  
 No. of conductors and finish is dictated by the blue number  
 Replace 0 with 1, 2 or 3 if required  
 0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
 1 - 3P + N + PE\*            3 - 3P + N + PE (painted version)\*  
 \* Item code-E5 = 3P + N + FE + PE casing

All dimensions (mm) are nominal



# XCM 160 - 1000 A

## feed units



Pack	Cat. Nos.		In (A)	Description	Type	
	Al	Cu				
1	53401101	-	160		Right	
1	53401102	56401102	250		Right	
1	53401111	-	160		Left	
1	53401112	56401112	250		Left	
1	53401121	-	160		Right	
1	53401122	56401122	250			
1	53401123	56401123	315			
1	53401124	56401124	400			
1	53401128	-	500			
1	53401125	56401125	630			
1	53401126	56401126	800			
1	53401127	56401127	1000			
1	53401131	-	160			Left
1	53401132	56401132	250			
1	53401133	56401133	315			
1	53401134	56401134	400			
1	53401138	-	500			
1	53401135	56401135	630			
1	53401136	56401136	800			
1	53401137	56401137	1000			
1	53401201	-	160		Intermediate	
1	53401202	56401202	250			
1	53401203	56401203	315			
1	53401204	56401204	400			
1	53401208	-	500			
1	53401205	56401205	630			
1	53401206	56401206	800			
1	53401207	56401207	1000			

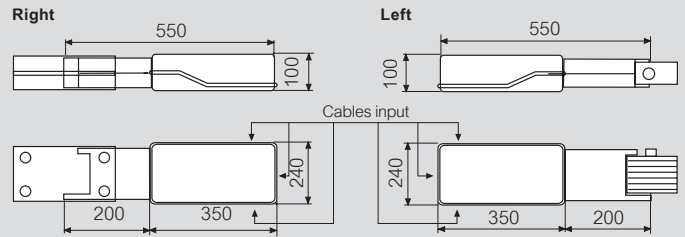
Pack	Cat. Nos.	Description
1	50403101	For bars in Cu of 250-315-400 A and Al 160-250-315 A
1	50403102	For bars in Cu of 630-800-1000 A and Al 400-500-630-800-1000 A

\*Suitable for all XCM versions  
Ensures the closure and the IP55 degree of protection (EN 60529).

**Key :** How to select the correct configuration and finish  
All examples on this page show 4 conductor galvanised lengths  
No. of conductors and finish is dictated by the blue number  
Replace 0 with 1, 2 or 3 if required  
0 - 3P + N + PE casing      2 - 3P + N + PE casing (painted version)  
1 - 3P + N + PE\*              3 - 3P + N + PE (painted version)\*  
\* Item code-E5 = 3P + N + FE + PE casing

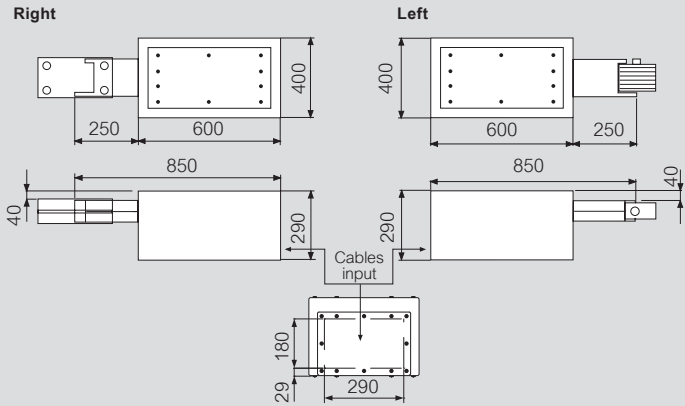
### Dimensions

#### Plastic feed unit



Cat. Nos. Al	Weight (kg)	In (A)	Cat. Nos. Cu	Weight (kg)	Cable connection: max. sect. (3 x 120 mm <sup>2</sup> + 1 x 70 mm <sup>2</sup> ) or (3 x 150 mm <sup>2</sup> ) max PG 48
53401101	5.70	160	-	-	
53401102	5.85	250	56401102	6.10	
53401111	6.80	160	-	-	
53401112	6.85	250	56401112	7.20	

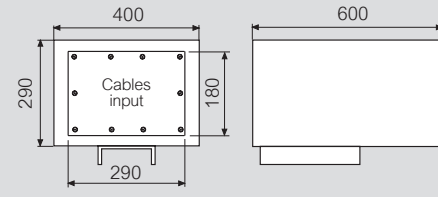
#### Metal feed unit



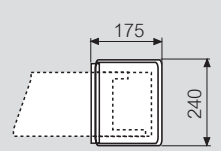
Feed units with AC23 switch disconnector installed are available, please contact technical support on +44 (0) 370 608 9020

Cat. Nos. Al	Weight (kg)	In (A)	Cat. Nos. Cu	Weight (kg)
53401121	16.64	160	-	-
53401122	16.76	250	56401122	17.37
53401123	17.03	315	56401123	17.70
53401124	18.32	400	56401124	18.88
53401128	20.00	500	-	-
53401125	19.43	630	56401125	21.17
53401126	19.80	800	56401126	23.30
53401127	20.20	1000	56401127	24.83
53401131	17.74	160	-	-
53401132	17.76	250	56401132	18.47
53401133	17.83	315	56401133	18.70
53401134	23.22	400	56401134	19.58
53401138	23.20	500	-	-
53401135	23.63	630	56401135	26.07
53401136	23.70	800	56401136	27.80
53401137	24.00	1000	56401137	29.03

#### Intermediate metal feed unit



#### End cover

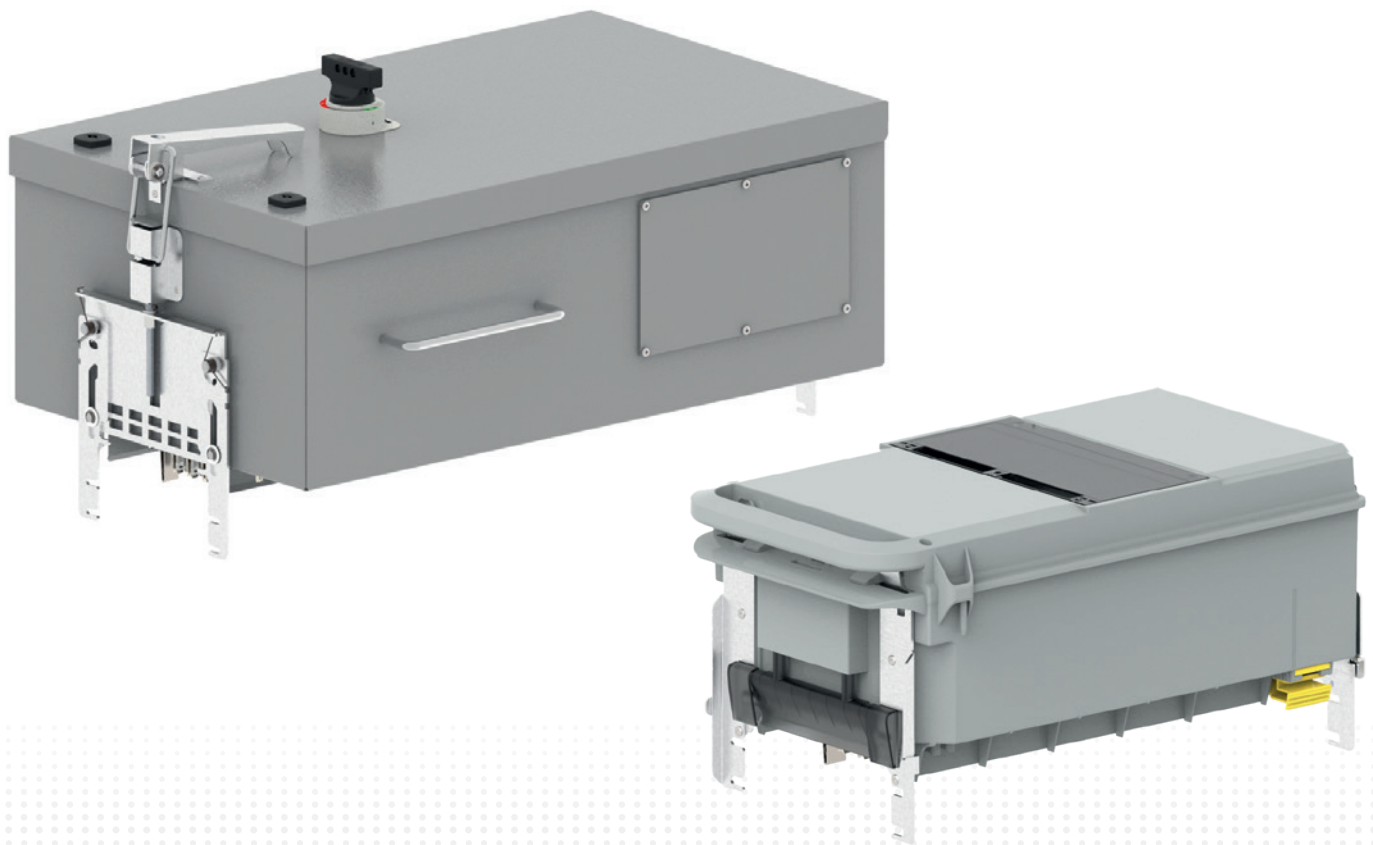


Cat. Nos. Al	Weight (kg)	Cat. Nos. Cu
53401201	17.3	-
53401202	18.4	56401202
53401203	17.0	56401203
53401204	22.06	56401204
53401208	22.65	-
53401205	23.24	56401205
53401206	23.02	56401206
53401207	24.70	56401207

Used to power a busbar from any intermediate point on the connection between two elements. The intermediate end feed unit is also used for reducing the voltage drop of the line

All dimensions (mm) are nominal





# TAP - OFF BOXES

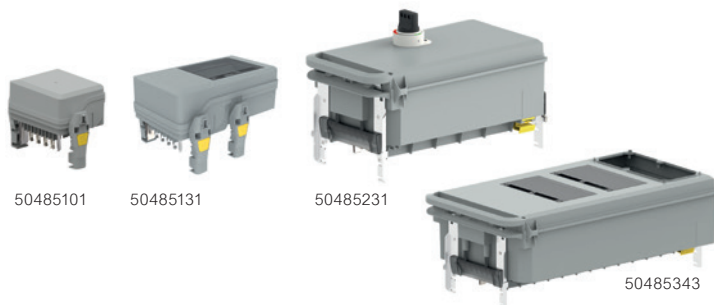
The new range  
of universal tap-off  
boxes suitable for XCM  
and XCP

## TAP-OFF BOXES FROM 32 TO 630 A

Available in two different materials: GRP or sheet metal, both characterised by simple installation and fast connection thanks to the new layout of the hooks that offer safety and speed of assembly

# XCM 160 - 1000 A

## GRP tap-off boxes - 32 A to 250 A : plug-in type



IP55  
Equipped with a sectioning cover. Can be installed and removed when the busbar is energised  
To be applied on lengths with any rating, with tap-off outlets  
Ratings go from 32 A to 250 A

Pack	Cat. Nos.	Tap-off boxes DPX <sup>3</sup> ready*	
		Prepared for Legrand MCCB (not provided) and supplied 'ready for' DPX <sup>3</sup> , with rotary handle already installed on the cover and rotary mechanism inside the box	
		In (A)	Type
1	<b>50485231</b>	63	2
1	<b>50485232</b>	160	2
1	<b>50485333</b>	250	3

Pack	Cat. Nos.	Tap-off boxes with fuse carriers		
		Equipped with fuse carriers. Fuses not included For selection of fuses, see Legrand catalogue**		
		In (A)	Type	Fuse carrier
1	<b>50485101</b>	32	1	3 x CH10
1	<b>50485202</b>	63	2	3 x CH22
1	<b>50485203</b>	125/160	2	3 x NH00
1	<b>50485305</b>	250	3	3 x NH2

Pack	Cat. Nos.	Empty tap-off boxes	
		In (A)	Type
1	<b>50485111</b>	32 A - blind cover	1L
1	<b>50485121</b>	32 A - 4 module	1L
1	<b>50485131</b>	32 A - 8 module	1L
1	<b>50485212</b>	63 A - 12 module	2
1	<b>50485213</b>	125/160 A - 12 module	2
1	<b>50485222</b>	63 A - blind cover	2
1	<b>50485223</b>	160 A - blind cover	2
1	<b>50485241</b>	63 A - 12 module + 2 P17 sockets place	2
1	<b>50485242</b>	160 A - 12 module + 2 P17 sockets place	2
1	<b>50485314</b>	250 A - 12+12 module	3
1	<b>50485324</b>	250 A - blind cover	3
1	<b>50485343</b>	250 A - 12 + 12 module +3 P17 sockets place	3



For Zucchini XCM installation guide and further mounting details visit [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

\* DPX<sup>3</sup>: MCCB (Moulded case circuit breaker not mounted or supplied) visit: [www.legrand.co.uk/en/catalog/protection-control-measurement](http://www.legrand.co.uk/en/catalog/protection-control-measurement)

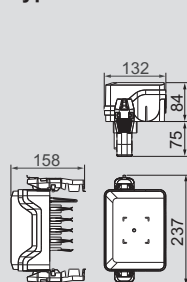
\*\* For selection of fuses see the **Legrand Protection, control & measurement guide** at [www.legrand.co.uk](http://www.legrand.co.uk)

\*\*\* For Zucchini XCM installation guide and further mounting details visit: [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

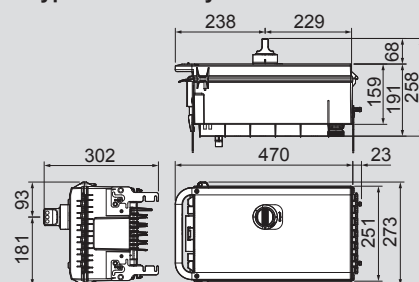
\*\*\*\* For the size of the Type 2 and Type 3 terminals, see the metal boxes on the following pages with this rule:  
plastic T2 terminals = metal T1 terminals  
plastic T3 terminals = metal T2 terminals

### Dimensions

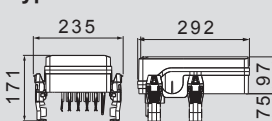
#### Type 1



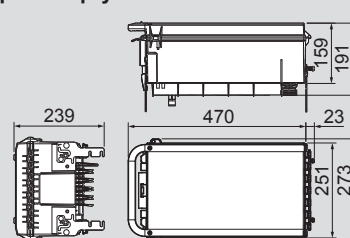
#### Type 2 DPX<sup>3</sup> ready



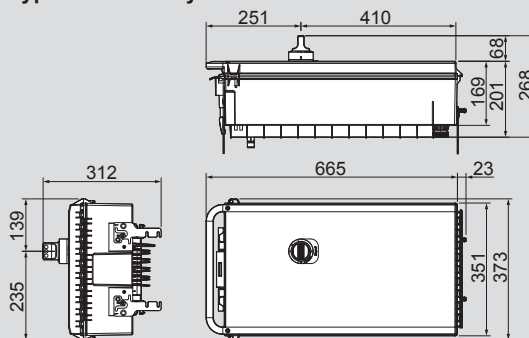
#### Type 1L



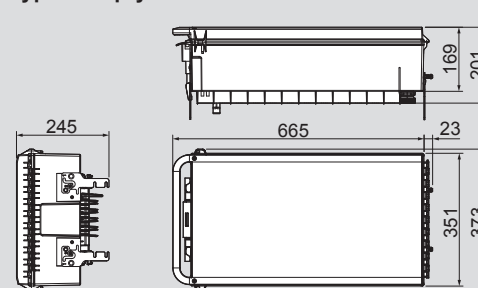
#### Type 2 empty / with fuse carriers



#### Type 3 DPX<sup>3</sup> ready

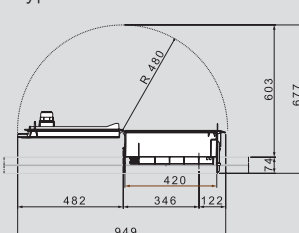


#### Type 3 empty / with fuse carriers

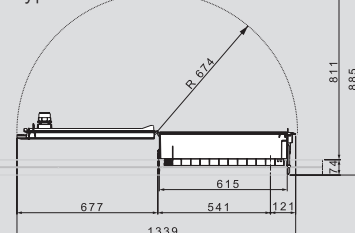


#### Total dimensions with cover open (mm) \*\*\*

##### Type 2

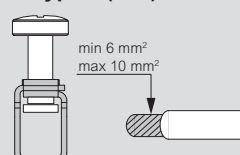


##### Type 3



#### Terminal dimensions Type 1 (mm) \*\*\*\*

L3 L2 L1 N FE PE



All dimensions (mm) are nominal



# XCM 160 - 1000 A

metal tap-off box Type 1 - 63 A to 160 A : plug-in type



50484002

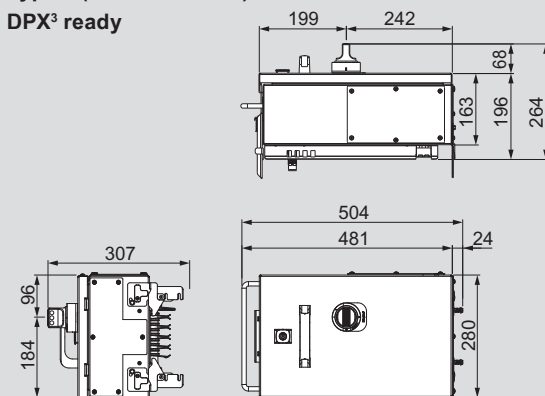
IP55  
Equipped with a sectioning cover. Can be installed and removed when the busbar is energised  
To be applied on lengths with any rating, with tap-off outlets  
These are the smallest metal tap-off boxes available and the rating is from 63 A to 160 A

Pack	Cat. Nos.	Tap-off boxes DPX3 ready*
1	<b>50481721</b>	Prepared for Legrand MCCB (not provided) and available in 2 versions, one with hinged cover and one with completely removable cover. Supplied 'ready for' DPX <sup>3</sup> , with rotary handle already installed on the cover and rotary mechanism inside the box In (A) 63 / 125 / 160 A
1	<b>50481731</b>	
		63 / 125 / 160 A - removable cover
Tap-off boxes with fuse carriers		
Equipped with fuse carriers. Fuses not included For selection of fuses, see Legrand catalogue**		
		In (A)   Fuse carrier
1	<b>50484021</b>	63   3 x NH00
1	<b>50484022</b>	125   3 x NH00
1	<b>50484023</b>	160   3 x NH00
Tap-off boxes with switch fuse		
Equipped with a switch disconnecter (AC23) and a fuse carrier. The disconnecter switch is operated through a rotary handle on the cover (not shown in the picture) N.B. Cover with AC21A disconnection: it is not possible to open, close, install or pull out the tap-off box if the switch is in 'ON' position Fuses not included. For the selection of fuses, see Legrand catalogue		
For item codes, please contact Legrand		In (A)   Fuse carrier
		63   3 x NH000
		125   3 x NH00
		160   3 x NH00
		63 A - removable cover   3 x NH000
Empty tap-off boxes		
		In (A)
1	<b>50484002</b>	63
1	<b>50484003</b>	125 / 160

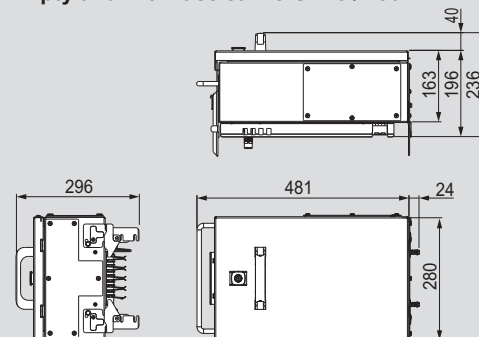
## ■ Dimensions

### Type 1 (63 - 125 - 160 A)

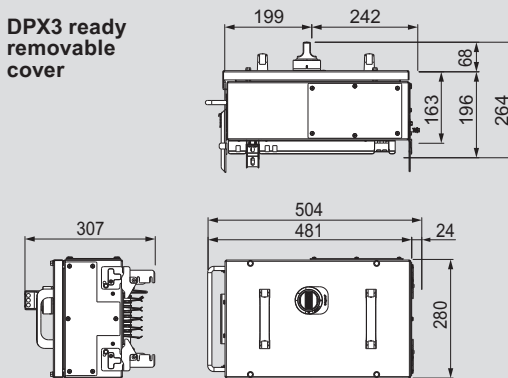
#### DPX<sup>3</sup> ready



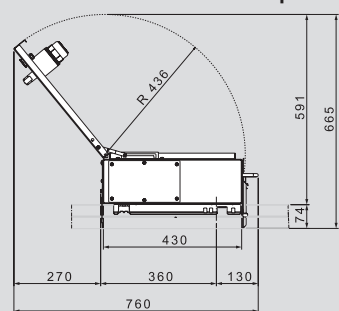
#### Empty and with fuse carriers 125 / 160 A



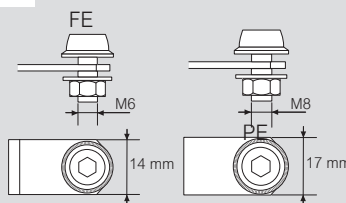
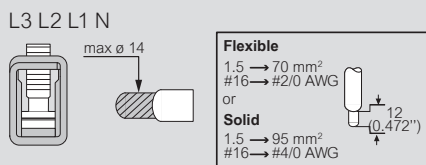
#### DPX<sup>3</sup> ready removable cover



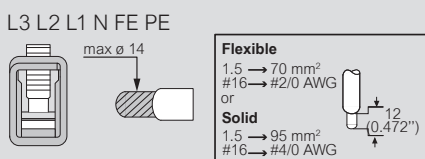
#### Total dimensions with cover open\*\*\*



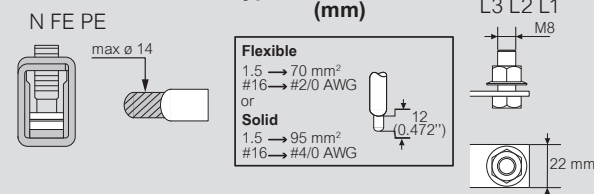
#### Terminal dimensions Type 1 - DPX<sup>3</sup> ready (mm)



#### Terminal dimensions Type 1 - empty (mm)



#### Terminal dimensions Type 1 - fuse carriers (mm)



\* DPX<sup>3</sup>: MCCB (Moulded case circuit breaker not mounted or supplied) visit: [www.legrand.co.uk/en/catalog/protection-control-measurement](http://www.legrand.co.uk/en/catalog/protection-control-measurement)

\*\* For selection of fuses see the **Legrand Protection, control & measurement guide** at [www.legrand.co.uk](http://www.legrand.co.uk)

\*\*\* For Zucchini XCM installation guide and further mounting details visit: [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

# XCM 160 - 1000 A

## metal tap-off box Type 2 - 250 A : plug-in type



50481732

IP55

Equipped with a sectioning cover. Can be installed and removed when the busbar is energised  
To be applied on lengths with any rating, with tap-off outlets  
These are the medium size metal tap-off boxes available and the rating is 250 A

Pack	Cat. Nos.	Tap-off boxes DPX <sup>3</sup> ready*
1	<b>50481722</b>	Prepared for Legrand MCCB (not provided) and available in 2 versions, one with hinged cover and one with completely removable cover. In (A) 250 A
1	<b>50481724</b>	250 A - DRXHP ready
1	<b>50481732</b>	250 A - removable cover
1	<b>50481734</b>	250 A - DRXHP ready removable cover

Pack	Cat. Nos.	Tap-off boxes with fuse carriers
1	<b>50484024</b>	Equipped with fuse carriers. Fuses not included For selection of fuses, see Legrand catalogue** In (A)   Fuse carrier 250   3 x NH2***

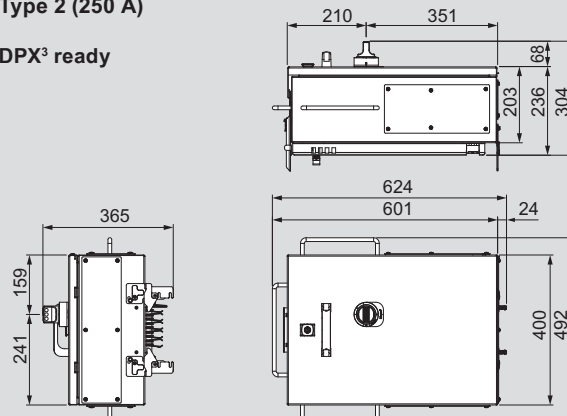
Pack	Cat. Nos.	Tap-off boxes with switch fuse
1	<b>50484025</b>	Equipped with a switch disconnecter (AC23) and a fuse carrier. The disconnecter switch is operated through a rotary handle on the cover (not shown in the picture) N.B. Cover with AC21A disconnection: it is not possible to open, close, install or pull out the tap-off box if the switch is in 'ON' position Fuses not included. For selection of fuses, see Legrand catalogue In (A)   Fuse carrier 125 A - removable cover   3 x NH00 160 A - removable cover   3 x NH00 250 A - switch fuse   3 x NH2*** 250 A - switch fuse removable cover   3 x NH2***

Pack	Cat. Nos.	Empty tap-off boxes
1	<b>50484005</b>	In (A) 250

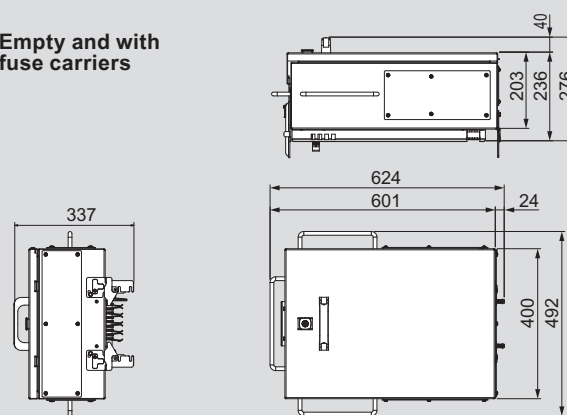
### Dimensions

#### Type 2 (250 A)

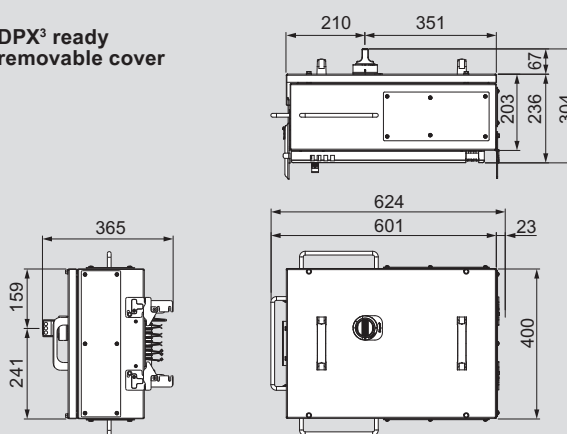
##### DPX<sup>3</sup> ready



##### Empty and with fuse carriers

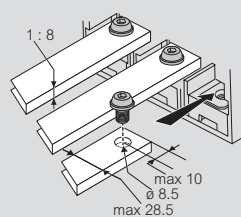


##### DPX<sup>3</sup> ready removable cover



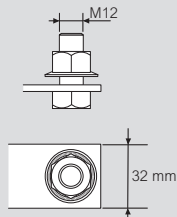
#### Terminal dimensions Type 2 DPX<sup>3</sup> ready and empty (mm)

L3 L2 L1 N FE PE

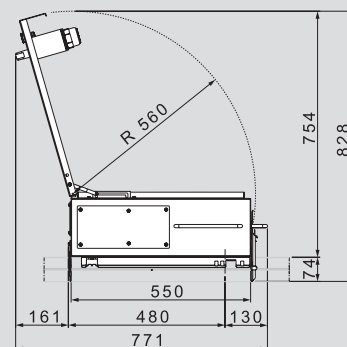


#### Terminal dimensions Type 2 fuse carriers (mm)

L3 L2 L1 N FE PE



#### Total dimensions with cover open (mm)\*\*\*\*



\* DPX<sup>3</sup>: MCCB (Moulded case circuit breaker not mounted or supplied)  
visit: [www.legrand.co.uk/en/catalog/protection-control-measurement](http://www.legrand.co.uk/en/catalog/protection-control-measurement)  
Rotary handles for DPX<sup>3</sup> already mounted

\*\* For selection of fuses see the **Legrand Protection, control & measurement guide** at [www.legrand.co.uk](http://www.legrand.co.uk)

\*\*\* Also suitable for NH1

\*\*\*\* For Zucchini XCM installation guide and further mounting details visit: [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

All dimensions (mm) are nominal

# XCM 160 - 1000 A

metal tap-off box Type 3 - 400 A to 630 A : plug-in type



50481733

IP55  
Equipped with a sectioning cover. Can be installed and removed when the busbar is energised  
To be applied on lengths with any rating, with tap-off outlets  
These are the largest size metal tap-off boxes available and the rating is 400 A or 630 A

Pack	Cat. Nos.	Tap-off boxes DPX <sup>3</sup> ready*
1	<b>50481723</b>	Prepared for Legrand MCCB (not provided) and available in 2 versions, one with hinged cover and one with completely removable cover. In (A) 400 / 630 A - DPX <sup>3</sup> ready
1	<b>50481733</b>	400 / 630 A - DPX <sup>3</sup> ready removable cover

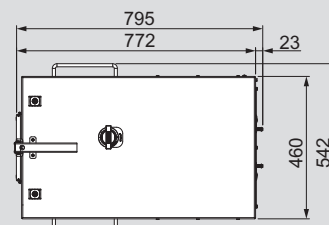
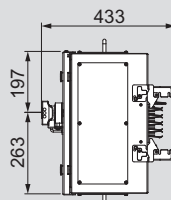
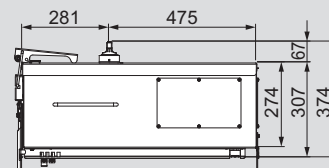
Pack	Cat. Nos.	Tap-off boxes with fuse carriers
1	<b>50484025</b>	Equipped with fuse carriers. Fuses not included For selection of fuses, see Legrand catalogue In (A) 400 Fuse carrier 3 x NH2
1	<b>50484026</b>	630 3 x NH3

Pack	Cat. Nos.	Tap-off boxes with switch fuse
1	<b>50484025</b>	Equipped with a switch disconnecter (AC23) and a fuse carrier. The disconnecter switch is operated through a rotary handle on the cover (not shown in the picture) N.B. Cover with AC21A disconnection : it is not possible to open, close, install or pull out the tap-off box if the switch is in 'ON' position Fuses not included For selection of fuses, see Legrand catalogue
1	<b>50484026</b>	
1	<b>50484027</b>	

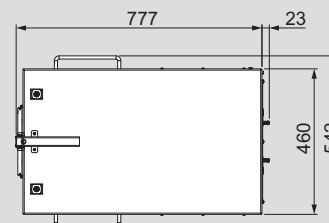
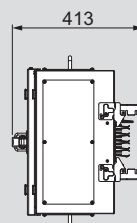
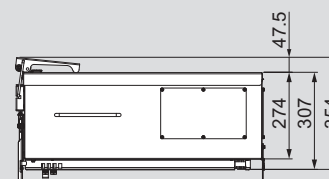
Pack	Cat. Nos.	Empty Tap-off boxes
1	<b>50484006</b>	In (A) 630 A

## Dimensions

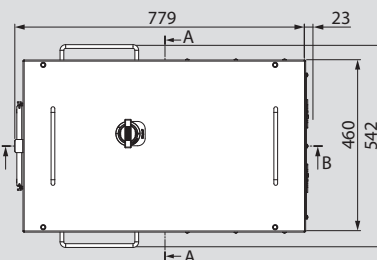
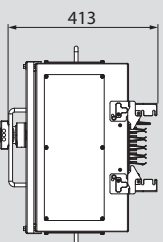
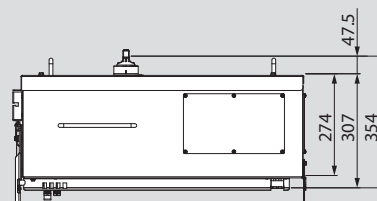
Type 3 (400 - 630 A)  
Box dimensions (mm)  
DPX<sup>3</sup> ready



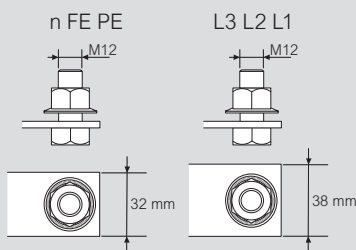
Empty and with fuse carriers



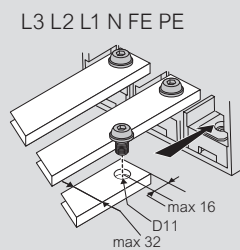
DPX<sup>3</sup> ready removable cover



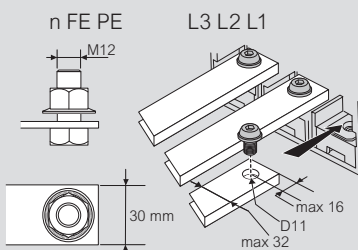
### Terminal dimensions Type 3 - fuse carriers (mm)



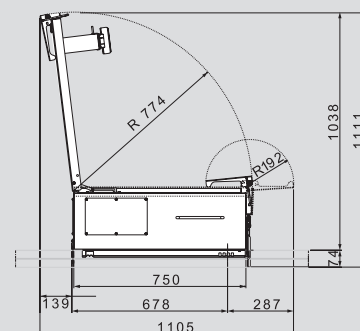
### Terminal dimensions Type 3 - empty (mm)



### Terminal dimensions Type 3 - DPX<sup>3</sup> ready (mm)



### Total dimensions with cover open (mm)\*\*\*



\* DPX<sup>3</sup>: MCCB (Moulded case circuit breaker not mounted or supplied)  
visit: [www.legrand.co.uk/en/catalog/protection-control-measurement](http://www.legrand.co.uk/en/catalog/protection-control-measurement)

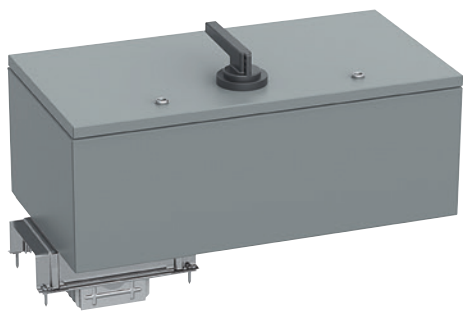
\*\* For selection of fuses see the **Legrand Protection, control & measurement guide** at [www.legrand.co.uk](http://www.legrand.co.uk)

\*\*\* For Zucchini XCM installation guide and further mounting details visit: [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

All dimensions (mm) are nominal

# XCM 160 - 1000 A

tap-off boxes bolt-on type



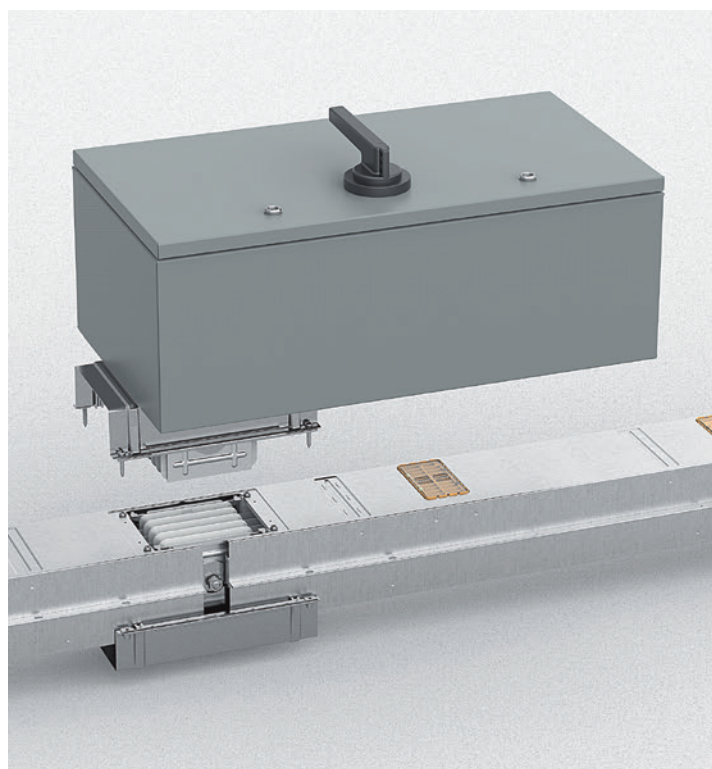
56401802

Bolt-on tap-off boxes  
They are installed on the junction between 2 straight lengths  
As this connection affects live conductors, it can NOT be carried out when the line is energised – the line has to be isolated

Pack	Cat. Nos.			Tap-off boxes with fuse carrier		
	A	A	A	Rating (A)	Circ. breaker	Fuse
	630	800	1000			
1	53401801	53401802	53401803	630	AC23	NH3
1	-	53401804	53401805	800	AC23	NH4
1	-	-	53401806	1000	AC23	NH4
				<b>Copper</b>		
1	56401801	56401802	56401803	630	AC23	NH3
1	-	56401804	56401805	800	AC23	NH4
1	-	-	56401806	1000	AC23	NH4

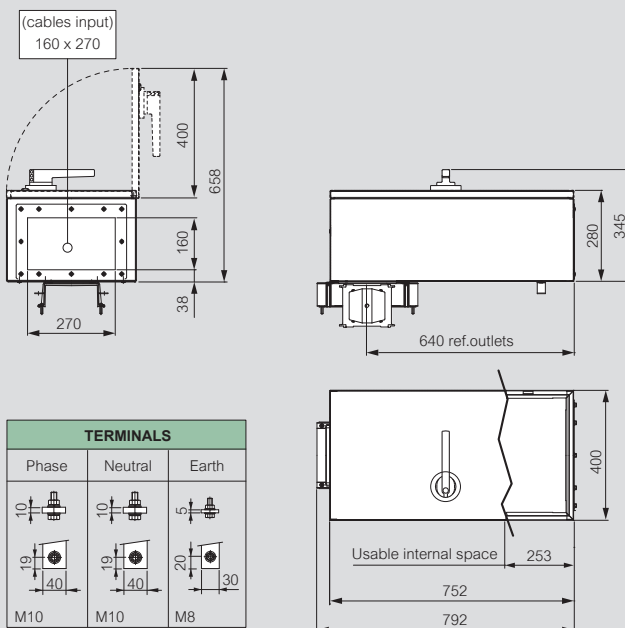
### Cable entry plate

Type	Dimensions
630 A	160 x 270 mm
800-1000 A	210 x 380 mm

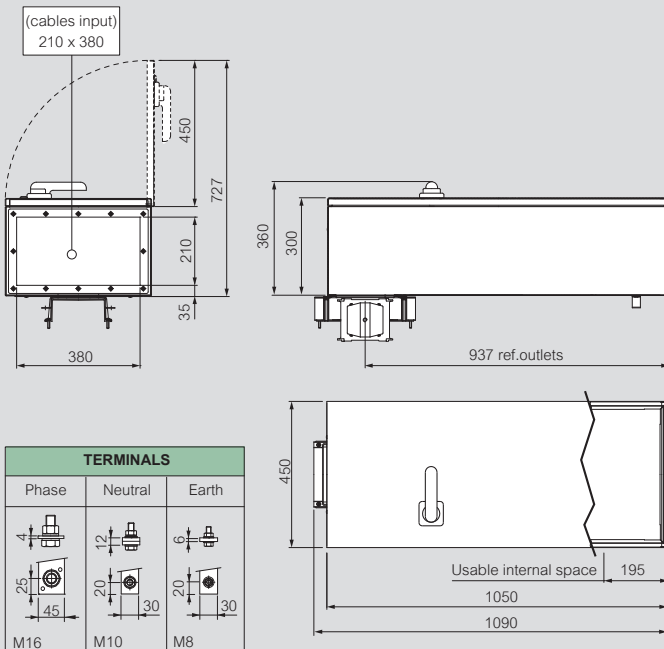


### Dimensions

#### 630 A\*



#### 800-1000 A\*



\* For Zucchini XCM installation guide and further mounting details visit [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

All dimensions (mm) are nominal

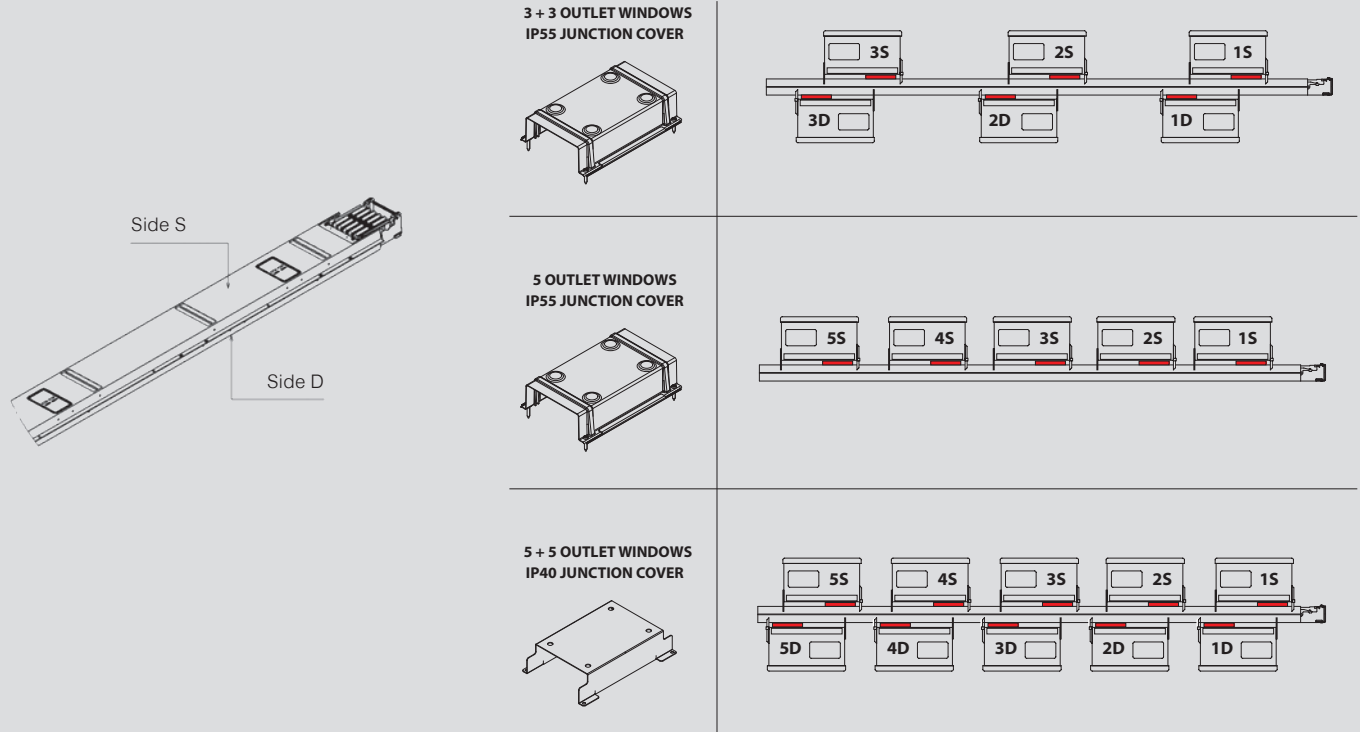


# XCM 160 - 1000 A

## tap-off boxes mounting

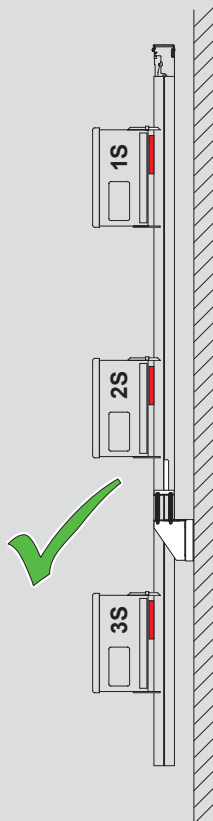
Not all boxes can be installed in any position. The following figures show where the various boxes may be installed on lengths with standard setup

### Edgeways

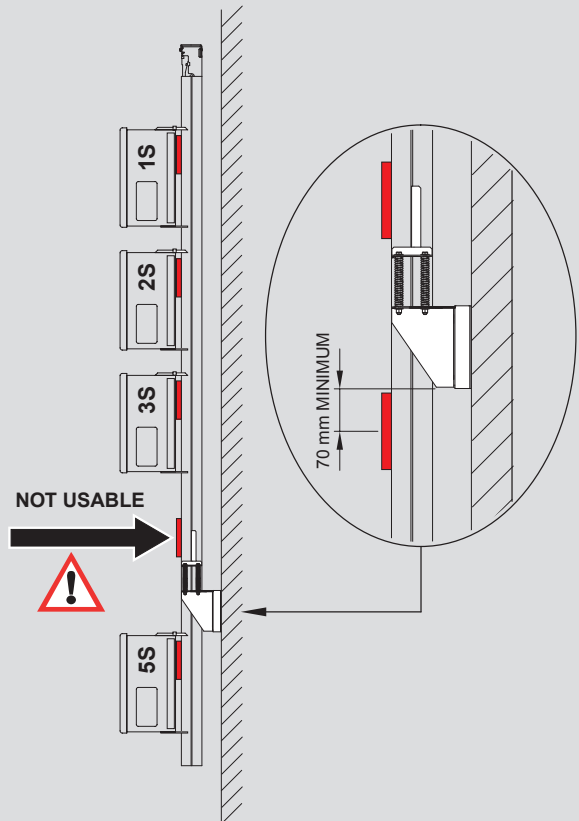


### Rising mains

#### 3 + 3 OUTLET WINDOWS



#### 5 OUTLET WINDOWS



\* For Zucchini XCM installation guide and further mounting details visit [www.legrand.co.uk/en/ranges/zucchini/guides](http://www.legrand.co.uk/en/ranges/zucchini/guides)

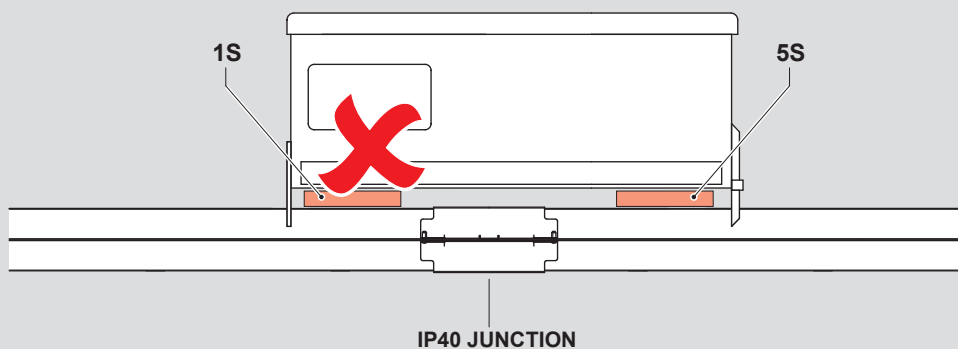
All dimensions (mm) are nominal

# XCM 160 - 1000 A

## tap-off boxes mounting

ELEMENT TYPE	POSITION	TAP-OFF BOX	
		METAL	PLASTIC
3 + 3 OUTLET WINDOWS	1S	size 1, size 2, size 3	size 1, size 2, size 3
	2S	size 1, size 2, size 3	size 1, size 2, size 3
	3S	size 1, size 2	size 1, size 2
	1D	size 1, size 2	size 1, size 2
	2D	size 1, size 2, size 3	size 1, size 2, size 3
	3D	size 1, size 2, size 3	size 1, size 2, size 3
5 OUTLET WINDOWS	1S	size 1, size 2, size 3	size 1, size 2, size 3
	2S	size 1	size 1, size 2
	3S	size 1, size 2, size 3	size 1, size 2, size 3
	4S	size 1	size 1, size 2
	5S	size 1	size 1, size 2
5 + 5 OUTLET WINDOWS	1S	size 1, size 2, size 3	size 1, size 2, size 3
	2S	size 1	size 1, size 2
	3S	size 1, size 2, size 3	size 1, size 2, size 3
	4S	size 1	size 1, size 2
	5S	size 1*, size 2*, size 3*	size 1*, size 2*, size 3*
	1D	size 1*, size 2*, size 3*	size 1*, size 2*, size 3*
	2D	size 1	size 1, size 2
	3D	size 1, size 2, size 3	size 1, size 2, size 3
	4D	size 1	size 1, size 2
	5D	size 1, size 2, size 3	size 1, size 2, size 3

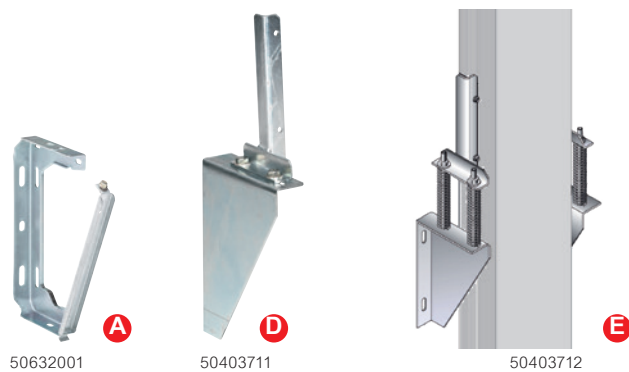
\* When mounted in this position the outlet window on next element will be unused



All dimensions (mm) are nominal

# XCM 160 - 1000 A

fixing accessories



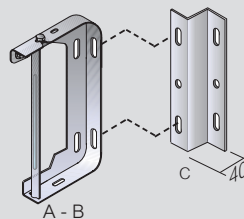
50632001                      50403711                      50403712

Pack	Cat. Nos.	Suspension brackets
10	<b>50632001</b> <b>A</b>	Suspension brackets for bars up to 400 A Al: 160 A - 250 A - 315 A Cu: 250 A - 315 A - 400 A
10	<b>50632003</b> <b>B</b>	Suspension brackets for bars from 400 A to 1000 A Al: 400 A - 500 A - 630 A - 800 A - 1000 A Cu: 630 A - 800 A - 1000 A
10	<b>50632205</b> <b>C</b>	Wall spacer, required when the bracket needs to be fixed directly to the wall (40 mm)
2	<b>50403711</b> <b>D</b>	Suspension bracket for vertical lengths, suitable for riser mains up to 4 m and for weights up to 300 kg Used together with Cat. Nos. 50632001/3
2	<b>50403712</b> <b>E</b>	Suspension bracket with springs for riser mains This bracket is used in vertical applications <b>Use one bracket every 300 kg</b> (see weight busbars table opposite)

Pack	Cat. Nos.	Wall fixing bracket
4	<b>50632212</b>	Adjustable arm both in height and in depth Bracket holder can be combined with the XCM - MS - TS brackets L = 0.45 m - max weight = 80 kg
4	<b>50632213</b>	Adjustable arm both in height and in depth Bracket holder can be combined with the XCM - MS - TS brackets L = 0.55 m - max weight = 68 kg
2	<b>50632214</b>	Adjustable arm both in height and in depth Bracket holder can be combined with the XCM - MS - TS brackets L = 0.75 m - max weight = 50 kg

## Dimensions

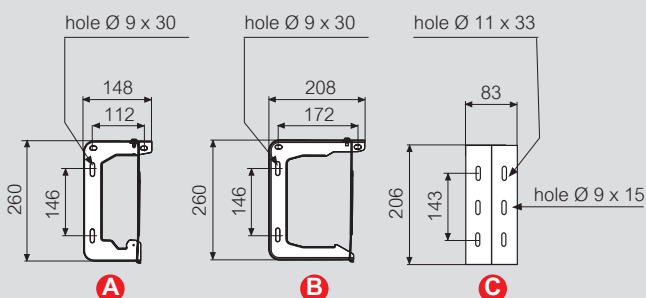
### Brackets



Cat. Nos.	Fig.	Weight (kg)
<b>50632001</b>	A	0.55
<b>50632003</b>	B	0.60
<b>50632205</b>	C	0.05

1 bracket for every 2 m of line

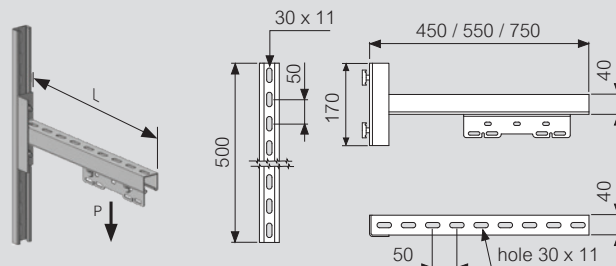
For more detail see p. 33 :  
How to take measurements



### Brackets for vertical lengths

Cat. Nos.	Weight (kg)	
<b>50403711</b> <b>D</b>	1.05	1 bracket at the base of the riser mains max 4 m.
<b>50403712</b> <b>E</b>	1.20	1 bracket every 300 kg

### Wall fixing bracket



Cat. Nos.	Length	Max. weight	Weight (kg)
<b>50632212</b>	L = 0.45 m	p max. = 80 kg	2.80
<b>50632213</b>	L = 0.55 m	p max. = 68 kg	3.00
<b>50632214</b>	L = 0.75 m	p max. = 50 kg	3.50

### Definition of the maximum distance (Dmax) between two subsequent suspension bracket with springs

Depending on the capacity of the busbar, the quantity and the type of brackets being installed, check that the selected distance (D) is the same or less than the maximum distance (Dmax) between two subsequent brackets with springs

XCM 4 conductors			XCM 5 conductors		
In (A)	D max (m)		In (A)	D max (m)	
	Al	Cu		Al	Cu
<b>160</b>	19	-	<b>160</b>	19	-
<b>250</b>	19	17	<b>250</b>	18	16
<b>315</b>	18	16	<b>315</b>	17	15
<b>400</b>	15	13	<b>400</b>	15	12
<b>500</b>	14	-	<b>500</b>	13	-
<b>630</b>	13	10	<b>630</b>	12	9
<b>800</b>	13	9	<b>800</b>	12	8
<b>1000</b>	12	8	<b>1000</b>	11	7

Max. load applicable to the brackets is 300 kg  
Values in the table have been calculated taking into consideration, in addition to weight of the busbar, the estimated weight of the accessories (25 kg for each element)

All dimensions (mm) are nominal

# XCM 160 - 1000 A

## accessories



53403601

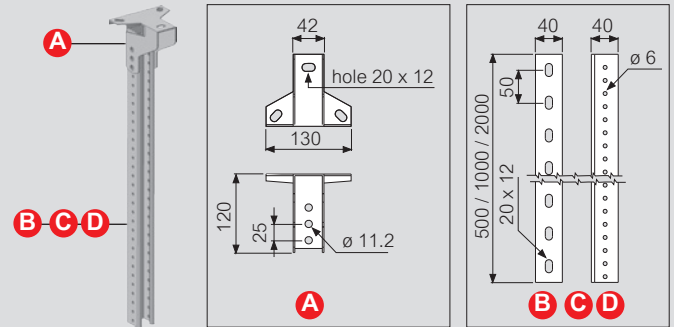
Pack	Cat. Nos.	Fixing accessories
		Ceiling fixing bracket with a base to be fixed to the ceiling and a drilled u-shaped section bar available in various lengths. Section bar holes are suitable for being installed with the XCM brackets.
10	<b>50632201</b>	<b>A</b> Ceiling flange
10	<b>50632202</b>	<b>B</b> U-shaped bar L = 0.5 m
5	<b>50632203</b>	<b>C</b> U-shaped bar L = 1 m
1	<b>50632204</b>	<b>D</b> U-shaped bar L = 2 m
10	<b>50632210</b>	<b>E</b> Beam fixing bracket. This bracket holder has a bracket and two clamps that are hooked to the wings of the beam.

Pack	Cat. Nos.	Various accessories
6	<b>53403601</b>	Outlet cover (spare part*) Suitable for all XCM versions

\* Outlet cover is pre-mounted on the windows of the XCM busbar  
Cat. No. refers to a spare part

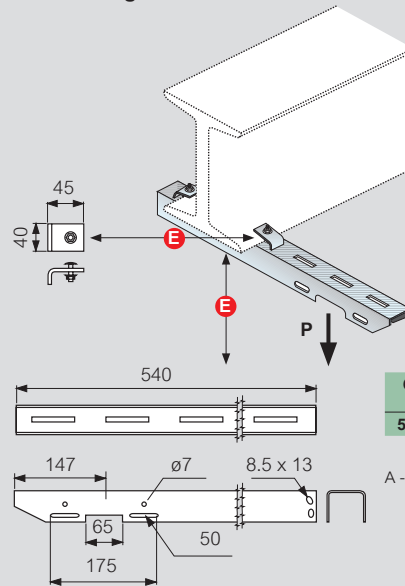
### Dimensions

#### Ceiling fixing bracket



Cat. Nos.	Description	Fig.	Weight (kg)
<b>50632201</b>	Ceiling flange	A	0.66
<b>50632202</b>	U-shaped bar L = 0.5 m	B	1.0
<b>50632203</b>	U-shaped bar L = 1 m	C	1.5
<b>50632204</b>	U-shaped bar L = 2 m	D	2.0

#### Beam fixing bracket:



Cat. No.	Fig.	Weight (kg)
<b>50632210</b>	E	1.275

A - max weight = 65 kg

All dimensions (mm) are nominal



# XCM 160 - 1000 A

## technical information

	In [A]	XCM - Al - 4 conductors (3P+N+PE)								XCM - Cu - 4 conductors (3P+N+PE)					
		160	250	315	400	500	630	800	1000	250	315	400	630	800	1000
Overall dimension of the busbars	LxH [mm]	75x196				135x196				75x196			135x196		
Rated operational voltage	Ue (V)	1000								1000					
Rated insulation voltage	Ui (V)	1000								1000					
Frequency	f (Hz)	50													
Rated short-time current (1 s)	I <sub>cw</sub> [kA] <sub>rms</sub>	15*	25*	25*	25	30	36	36	36	25*	25*	30*	36	36	36
Peak current	I <sub>pk</sub> [kA]	30	53	53	53	63	76	76	76	53	53	63	76	76	76
Allowable specific energy for three phase fault	I <sup>2</sup> t [M A <sup>2</sup> s]	23	63	63	625	900	1296	1296	1296	63	63	90	1296	1296	1296
Rated short-time current of the neutral bar (1 s)	I <sub>cn</sub> [kA] <sub>rms</sub>	15*	25*	25*	25	30	36	36	36	25*	25*	30*	36	36	36
Peak current of the neutral bar	I <sub>pk</sub> [kA]	28	49	49	49	59	70	70	70	53	53	63	76	76	76
Rated short-time current of the protective circuit (1 s)	I <sub>cn</sub> [kA] <sub>rms</sub>	15*	15*	15*	13	13	13	13	13	15*	15*	15*	13	13	13
Peak current of the protective circuit	I <sub>pk</sub> [kA]	30	30	30	26	26	26	26	26	30	30	30	26	26	26
Phase resistance at 20 °C	R <sub>20</sub> [mΩ/m]	0.493	0.331	0.202	0.120	0.077	0.060	0.052	0.037	0.239	0.182	0.099	0.061	0.040	0.032
Phase reactance at 50 Hz	X [mΩ/m]	0.150	0.150	0.150	0.140	0.070	0.070	0.070	0.060	0.158	0.138	0.119	0.064	0.064	0.056
Phase impedance	Z [mΩ/m]	0.515	0.363	0.252	0.184	0.104	0.092	0.087	0.070	0.287	0.228	0.155	0.088	0.075	0.064
Phase resistance at thermal conditions	R [mΩ/m]	0.651	0.485	0.285	0.152	0.098	0.080	0.074	0.053	0.320	0.254	0.133	0.082	0.054	0.046
Phase impedance at thermal conditions	Z [mΩ/m]	0.668	0.507	0.322	0.207	0.120	0.106	0.102	0.080	0.357	0.289	0.179	0.104	0.084	0.073
Neutral resistance	R <sub>20</sub> [mΩ/m]	0.493	0.331	0.202	0.120	0.077	0.060	0.052	0.037	0.239	0.182	0.099	0.061	0.040	0.032
Resistance of the protective bar	R <sub>PE</sub> [mΩ/m]	0.310	0.310	0.310	0.257	0.257	0.257	0.257	0.257	0.310	0.310	0.310	0.257	0.257	0.257
Reactance of the protective bar at 50 Hz	X <sub>PE</sub> [μΩ/μ]	0.220	0.220	0.220	0.180	0.180	0.180	0.180	0.180	0.220	0.220	0.220	0.180	0.180	0.180
Resistance of the fault loop	R <sub>0</sub> [μΩ/μ]	0.803	0.641	0.512	0.377	0.334	0.317	0.309	0.294	0.549	0.492	0.409	0.318	0.297	0.289
Reactance of the fault loop	X <sub>0</sub> [μΩ/μ]	0.370	0.370	0.370	0.320	0.250	0.250	0.250	0.240	0.378	0.358	0.339	0.244	0.244	0.236
Impedance of the fault loop	Z <sub>0</sub> [μΩ/μ]	0.884	0.740	0.632	0.494	0.417	0.404	0.397	0.380	0.667	0.608	0.531	0.401	0.384	0.373
Zero-sequence short-circuit average resistance phase - N	R <sub>0</sub> [μΩ/μ]	0.657	0.441	0.269	0.160	0.103	0.080	0.069	0.049	0.319	0.243	0.132	0.081	0.053	0.043
Zero-sequence short-circuit average reactance phase - N	X <sub>0</sub> [μΩ/μ]	0.200	0.200	0.200	0.187	0.093	0.093	0.093	0.080	0.211	0.184	0.159	0.085	0.085	0.075
Zero-sequence short-circuit average impedance phase - N	Z <sub>0</sub> [μΩ/μ]	0.687	0.485	0.335	0.246	0.139	0.123	0.116	0.094	0.382	0.305	0.206	0.118	0.101	0.086
Zero-sequence short-circuit average resistance phase - PE	R <sub>0</sub> [μΩ/μ]	0.474	0.420	0.377	0.297	0.283	0.277	0.274	0.269	0.390	0.371	0.343	0.277	0.270	0.268
Zero-sequence short-circuit average reactance phase - PE	X <sub>0</sub> [μΩ/μ]	0.270	0.270	0.270	0.227	0.203	0.203	0.203	0.200	0.273	0.266	0.260	0.201	0.201	0.199
Zero-sequence short-circuit average impedance phase - PE	Z <sub>0</sub> [μΩ/μ]	0.546	0.500	0.464	0.374	0.348	0.344	0.341	0.335	0.476	0.457	0.430	0.342	0.337	0.334
Voltage drop with distributed load Δv [V/m <sup>2</sup> A]10 <sup>-6</sup>	cosφ = 0.7	0.429	0.326	0.233	0.167	0.095	0.084	0.080	0.063	0.331	0.226	0.154	0.081	0.076	0.061
	cosφ = 0.75	0.446	0.336	0.237	0.167	0.096	0.084	0.079	0.062	0.340	0.230	0.155	0.081	0.076	0.060
	cosφ = 0.8	0.462	0.344	0.239	0.165	0.096	0.083	0.078	0.061	0.348	0.232	0.154	0.080	0.075	0.059
	cosφ = 0.85	0.477	0.351	0.239	0.162	0.095	0.082	0.076	0.059	0.355	0.234	0.153	0.079	0.073	0.057
	cosφ = 0.9	0.489	0.356	0.237	0.157	0.093	0.079	0.073	0.056	0.359	0.233	0.149	0.077	0.071	0.054
	cosφ = 0.95	0.497	0.357	0.231	0.148	0.089	0.075	0.068	0.051	0.359	0.228	0.142	0.073	0.067	0.050
cosφ = 1	0.480	0.333	0.201	0.116	0.074	0.059	0.052	0.037	0.333	0.201	0.116	0.059	0.052	0.037	
Weight	[kg/m]	7.1	7.6	8.3	11.0	12.7	14.0	15.0	17.0	9.5	10.4	14.3	19.8	25.4	29.5
Degree of protection	IP	55	55	55	55	55	55	55	55	55	55	55	55	55	55
Losses for the Joule effect at nominal current	P [W/m]	43	72	69	64	64	81	115	128	51	62	54	82	87	111
Ambient temperature min/MAX (daily average)**	[°C]	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**	-5/70**

### Temperature rating schedule according to the room temperature

Ambient temperature (°C)	-5	0	10	15	20	25	30	35	40	45	50	55	60	65	70
Factor Kt	1.28	1.25	1.19	1.16	1.13	1.10	1.07	1.03	1	0.97	0.93	0.89	0.86	0.82	0.78

\* Values referred to 0.1 s

\*\*For temperatures over 40°C it will be necessary to derate the busbar and for ambient temperatures under -5°C. For details please contact technical support on +44 (0) 370 608 9020

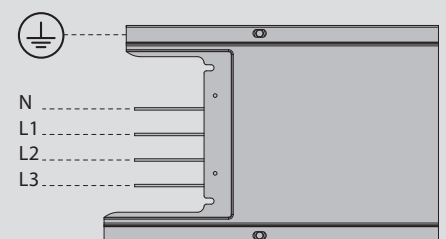
Data on this page refers to the 50 Hz frequency. For details of 60 Hz data, please contact technical support on +44 (0) 370 608 9020

(\*\*) **THREE PHASE:**  $\Delta V_{3f} = \sqrt{3}/2 \times (R_t \cos\phi + X \sin\phi)$   
 $\Delta V_{3f}(In) = I \times L \times \Delta V_{3f}$ : (knowing the current and length of the line)  
 $\Delta V_{3f}(In)\% = (\Delta V_{3f}(In) / U_e) \times 100 (\%)$

To calculate the **ΔV1f (SINGLE PHASE) on distributed load:**

$\Delta V_{1f} = 1/2 \times (2R_t \cos\phi + 2X \sin\phi)$   
 $\Delta V_{1f}(In) = I \times L \times \Delta V_{1f}$ : (knowing the current and length of the line)  
 $\Delta V_{1f}(In)\% = (\Delta V_{1f}(In) / U_e) \times 100 (\%)$

I = operating current (A)  
L = length (m)



XCM 4 conductors

All dimensions (mm) are nominal

# XCM 160 - 1000 A

## technical information

### Straight lengths

The components and features of XCM straight lengths are:

- a casing made of galvanised steel used as protective earth (PE)
- overall busbar dimensions: 75x196 and 135x196
- painted casing available on request
- number of conductors: 4 with the same section (3P+N) with PE made from the casing or 5 when using XCM (3P+N+PE), available in the aluminum or electrolytic copper version with 99.9% purity
- conductor insulators are made by GRP reinforced plastic material, ensuring a V0 self-extinguishing degree (according to UL94), in compliance with the glow-wire test according to IEC 60695-2-10
- tap-off outlets with a constant centre distance of 1 m on both sides of the busbar (3+3 outlets every 3m), set up for being connected to plug-in type tap-off boxes; These outlets open and close automatically when inserting or pulling out a tap-off box
- monobloc electric junction system made with tin plated aluminium for XCM Al and copper for XCM Cu system to connect conductors and PE in a fast and reliable way. The monobloc has shearhead bolts with a preset torque setting which ensure good, long-lasting electrical continuity
- all components and accessories of the XCM line are IP55
- the whole busbar is fire retardant in compliance with the IEC 60332-3 standard

### Feed units

Allow you to electrically power the XCM line through a cable line or directly connected to a distribution board. The 160 and 250 A feed units have terminals for cables up to 150 mm<sup>2</sup>; for higher ratings, the cable connection to the feed unit requires cable lugs to be fastened to the provided spreaders. The XCM line can be provided with intermediate feed units or end feed units with a switch-disconnector which allows you to isolate the whole line for carrying out maintenance operations or layout changes, if required

### End cover

The end cover ensures IP55 protection degree at the end of the line

### Fixing supports

In order to fix the line to the structure of the building, directly or with wall / ceiling / beam supports, it is necessary to use bracket supports or vertical suspension supports

### Tap-off boxes

Used for energising three phase loads from 32 A up to 1000 A; they can be divided into two main categories:

- 1) Plug-in type tap-off boxes (from 32 A up to 630 A) with the following features:
  - Intervention under load possible up to 32 A;
  - disconnection device integrated into the cover of the boxes with a rating from 63 A to 630 A, ensuring automatic absence of electric current when the cover is opened
  - possibility of padlocking box cover in the open/disconnected position so that all maintenance operations of the loads connected to it can be carried out safely
  - the supplied PE contact (protective conductor) is the first to make an electrical connection when inserting the box into the outlet and it is the last to disconnect when pulling it out
  - all insulating plastic components are in compliance with the IEC 60695-2-1 glow-wire test and rated V2 self-extinguishing according to the UL94
  - standard IP55 degree of protection without using additional accessories
  - availability of boxes in the following versions<sup>1</sup>:
    - with a set of three fuse carriers
    - with Lexic MCBs
    - with industrial sockets and Schuko sockets
    - with AC23 switch disconnector and fuse carrier
    - for MCCBs
- 2) Boxes bolted onto the connection (from 630 A to 1000 A) which include the following features:
  - very easy, fast and reliable installation
  - high rated current
  - rigid connection to the busbar through the use of a monobloc junction similar to the straight length system
  - possibility of removing the boxes only when the busbar is not energised (isolated busbar)
  - availability of boxes in the following versions
    - AC23 switch disconnector and fuse carrier
    - for MCCBs

<sup>1</sup> : For full range of Legrand power protection product ranges, see opposite

Product fully in compliance with the following Standard: IEC 61439 -6

Product suitable for these climates:

- IEC 60068 2-11: Environmental tests Part 2-11: Tests – Test Ka: Salt mist
- IEC 60068 2-30: Environmental tests Part 2-30: Tests – Test Db: Damp heat, cyclic (12 h + 12 h cycle)

### Conversion table

Conductors	Case	Item code	
4	galvanised	---0---	
5	galvanised	---1---	
5	galvanised	---1---E5	
4	painted	---2---	
5	painted	---3---	
5	painted	---3---E5	

Note: item code **-E5** = 3P + N + FE + PE casing

### Short circuit protection for Legrand's product ranges (In≤100A)<sup>1</sup>

Legrand busbar trunking systems with a rated current lower than or equal to 100 A are properly protected through an MCB (modular circuit breaker) with a nominal current lower than or equal to that of the busbar. This protection is guaranteed up to the MCB breaking capacity

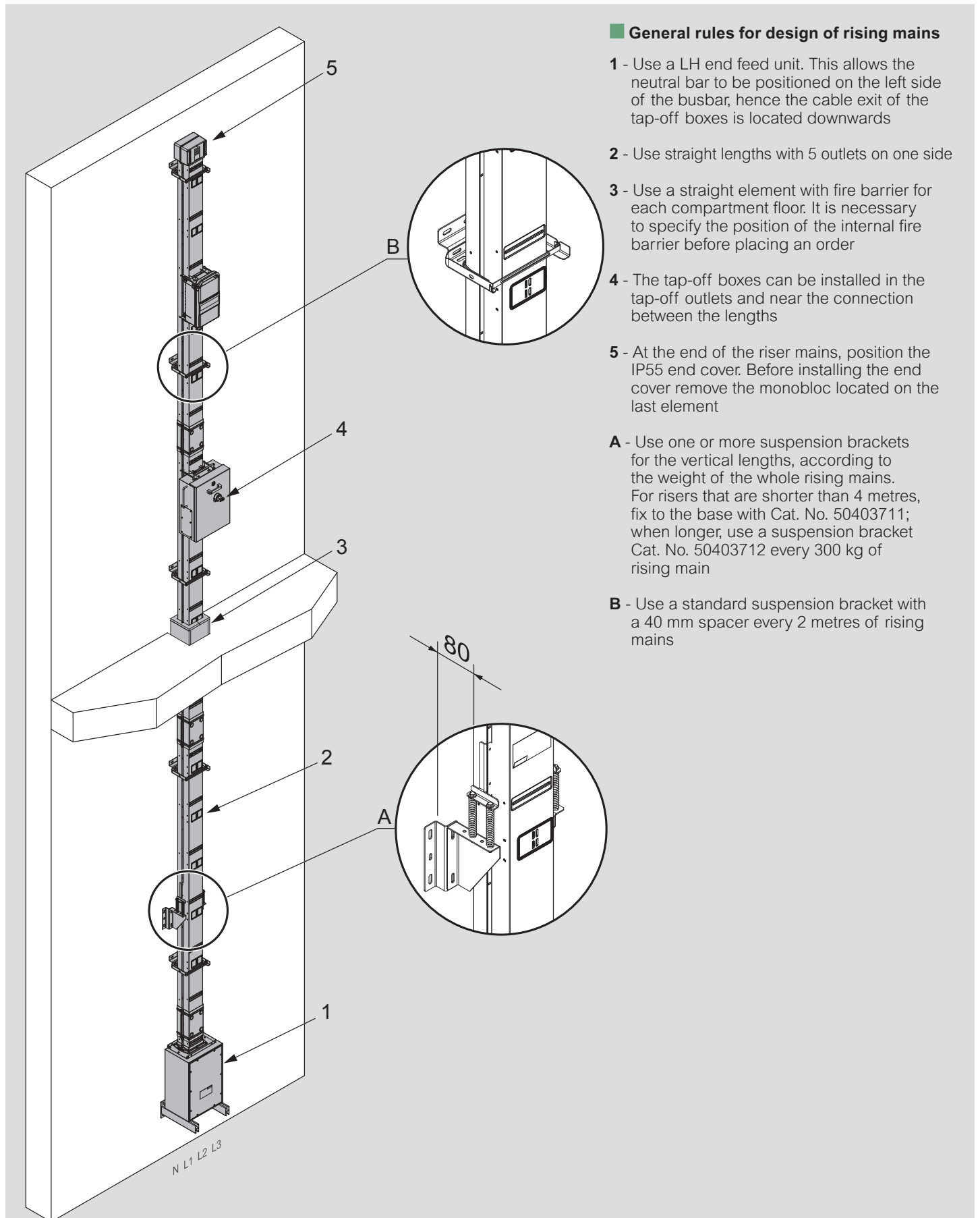
<sup>1</sup> : For full range of Legrand power protection product ranges, see below



For details of full range of power protection product ranges  
**contact us on +44 (0) 370 608 9020**  
**or visit [www.legrand.co.uk](http://www.legrand.co.uk)**



All dimensions (mm) are nominal



### General rules for design of rising mains

- 1 - Use a LH end feed unit. This allows the neutral bar to be positioned on the left side of the busbar, hence the cable exit of the tap-off boxes is located downwards
  - 2 - Use straight lengths with 5 outlets on one side
  - 3 - Use a straight element with fire barrier for each compartment floor. It is necessary to specify the position of the internal fire barrier before placing an order
  - 4 - The tap-off boxes can be installed in the tap-off outlets and near the connection between the lengths
  - 5 - At the end of the riser mains, position the IP55 end cover. Before installing the end cover remove the monobloc located on the last element
- A** - Use one or more suspension brackets for the vertical lengths, according to the weight of the whole rising mains. For risers that are shorter than 4 metres, fix to the base with Cat. No. 50403711; when longer, use a suspension bracket Cat. No. 50403712 every 300 kg of rising main
- B** - Use a standard suspension bracket with a 40 mm spacer every 2 metres of rising mains

# XCM 160 - 1000 A

## how to take measurements

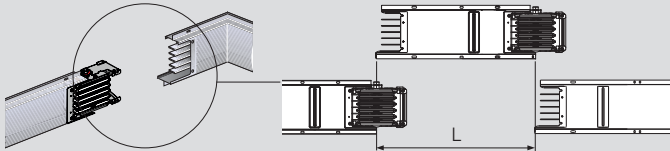
### MEASURING BESPOKE DIMENSIONS

#### Straight lengths

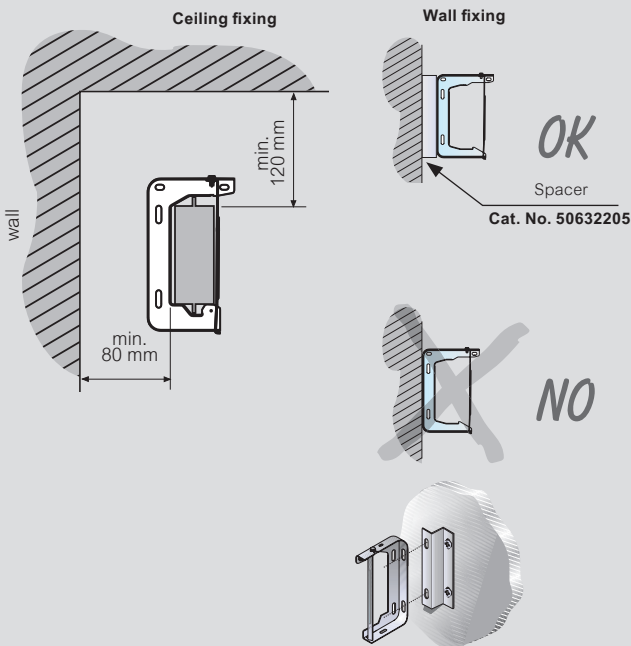
Always take measurements on the long side on the metal casing as shown in the figure. For simplicity's sake, it will be referred to as 'long casing'



The dimension of the straight lengths can range from 600 mm to 3000 mm



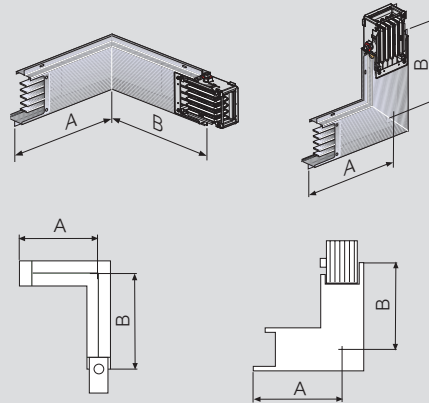
#### Minimum fixing distances



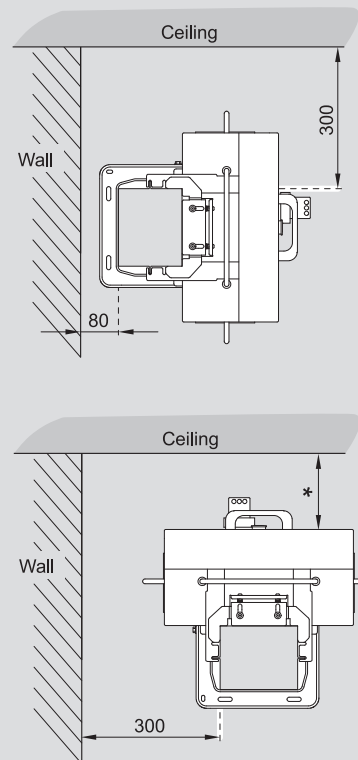
Do not fix the bracket directly on the wall  
Use the special spacer Cat. No. 50632205

#### Elbows

When using elbows, the dimension should be measured from the long casing to the axis of the element



#### Minimum installation distance with tap-off boxes



\* When there is a tap-off box installed above the busbar, check the overall dimension of the open cover of the tap-off unit used in the specific section

## design example

### Technical information

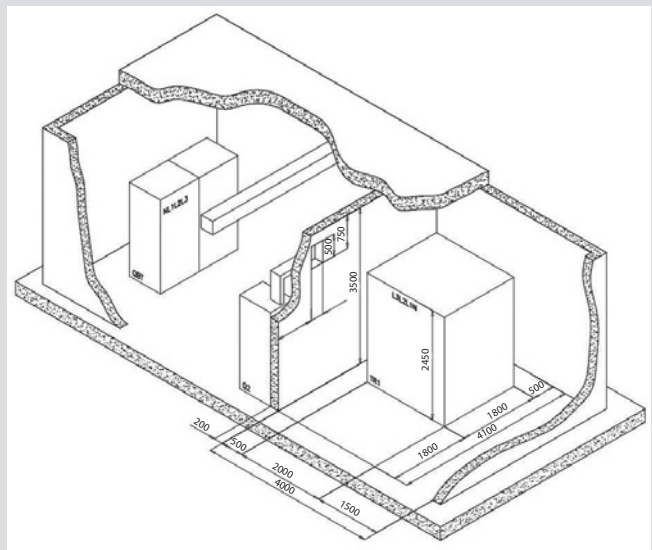
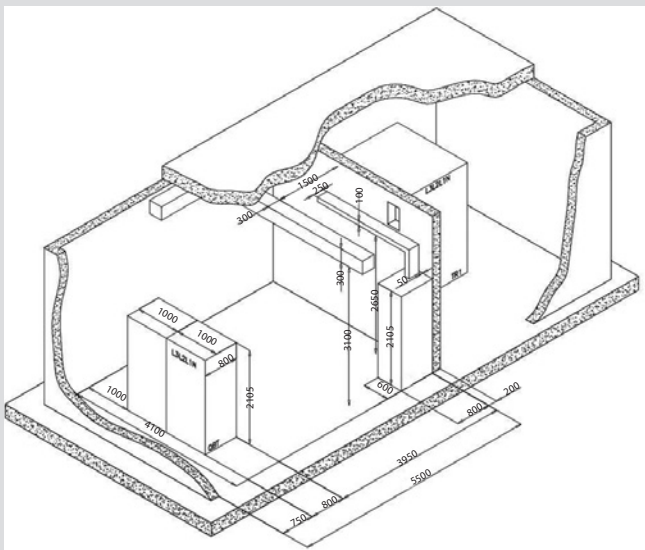
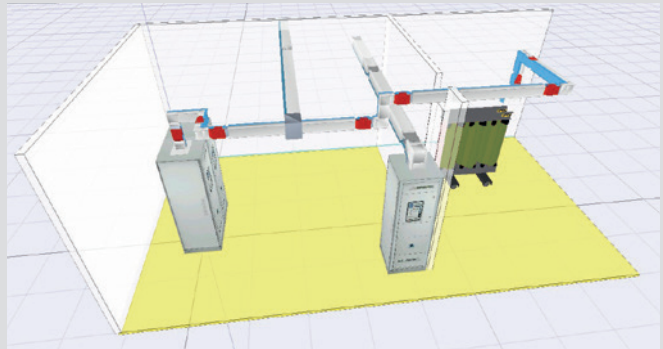
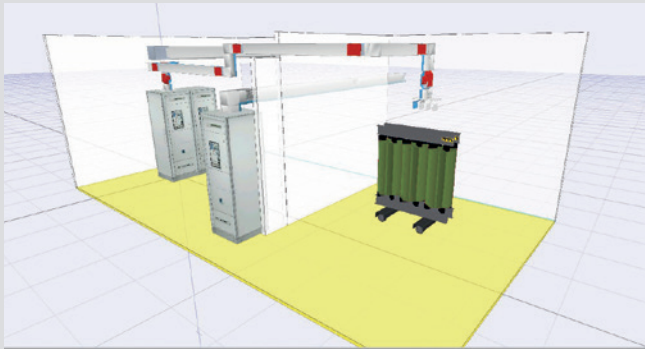
Due to the flexibility of the XCM line, it is possible to customise the system according to specific requirements. It is therefore possible to request special products such as direct current or particular frequency (60Hz) distribution systems, or, as is the case for the food sector, with stainless steel casing.

Possible special requirements:

- 5 conductor version with separate FE earth
- painting in customised colour
- fitting with Al/Cu earth conductors
- arrangement for direct current systems

Below is the example of a system route

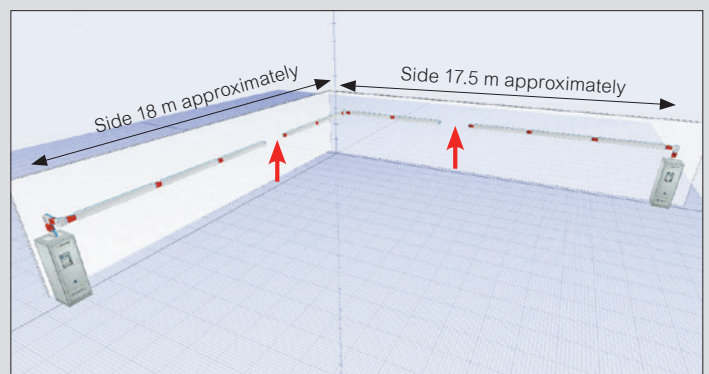
The figures below show the initial situation, listing all the measurements that must be known



### Route not completely defined

If the route cannot be defined with sufficient degree of precision, some parts may be left out and ordered at a later stage.

In order to simplify the process of taking the necessary measurements for the definition of the completion items, it is recommended that the supply of all sections with direction changes is defined from the start, leaving the completion of straight section to a later stage.



**NOTE:** The red arrows indicate the elements that can be dealt with at a later stage, and the correct layout of those supplied initially.

All dimensions (mm) are nominal



# Protection classifications

## Protection against solid bodies and liquids : Index of protection - IP xx

Degree of protection of enclosures of electrical equipment in accordance with standards IEC 60529, BS EN 60529  
Up to 1 000 V~ and 1 500 V=

1 <sup>st</sup> digit: protection against solid bodies		Additional letter IP XX (ABCD): protection against direct contact resulting from the access to hazardous current-carrying parts		2 <sup>nd</sup> digit: protection against liquids			
IP	tests	IP	tests	protection	IP	tests	
0	No protection				0		No protection
1	Protected against solid bodies larger than 50 mm	A	The back of the hand remains remote from dangerous parts		1	Protected against vertically-falling drops of water (condensation)	
2	Protected against solid bodies larger than 12.5 mm	B	The dangerous parts can not be touched when introducing a finger		2	Protected against drops of water falling at up to 15° from the vertical	
3	Protected against solid bodies larger than 2.5 mm	C	The dangerous parts can not be touched when introducing a tool (eg a screwdriver)		3	Protected against drops of rain water at up to 60° from the vertical	
4	Protected against solid bodies larger than 1 mm				4	Protected against projections of water from all directions	
5	Protected against dust (no harmful deposit)	D	The dangerous parts cannot be touched when introducing a wire		5	Protected against jets of water from all directions	
6	Completely protected against dust				6	Protected against jets of water of similar force to heavy seas	
					7	Protected against the effects of immersion	
					8	Protected against prolonged effects of immersion under pressure	
					9	Protected against high pressure and temperature water jets	
					9K <sup>1</sup>		

Legrand appliances for domestic applications, once installed, have a degree of protection IP equal to or greater than IP 2XC  
1 : In accordance to ISO 20653

## Protection against mechanical impact : Index of protection - IK

According to standards IEC 62262 and BS EN 62262

IK	Tests	Impact energy (in Joules)
IK 00		0
IK 01		0.15
IK 02		0.2
IK 03		0.35
IK 04		0.5
IK 05		0.7
IK 06		1
IK 07		2
IK 08		5
IK 09		10
IK 10		20

A product previously classed as IP xx-7 can be assumed to fulfill the conditions of an IP xx - IK 08

This table can be used to ascertain the resistance of a product to an impact given in Joules from the IK code (graduated from 00 to 10). It can also be used to ascertain the correspondence with the old IP code 3rd digit and the corresponding external "Ag" conditions.

The contents of the Protection Classifications charts are for guidance only. If you have any doubt as to the interpretation of the information contained therein, please refer either to the standard itself or contact Legrand.

## Health and Safety at Work, etc. Act. 1974

### Statement to Purchasers and Prospective Purchasers

1. Section 6 of this Act provides that manufacturers, designers, importers or suppliers of articles for use at work have a duty to ensure so far as is reasonably practical, that the article will be safe and without risk to health when properly used. An article is not regarded as being 'properly used' if it is used without regard to any relevant information or advice relating to its use made available by the manufacturer, designer, importer or supplier.

2. With regard to these provisions the following is given as a guide to the information which is readily available to you. This information relates to those products detailed in our catalogue(s) or associated literature or may be obtained by specific request to the Company.

3. All products should be installed and maintained in accordance with good engineering practice and relevant British or

other applicable standards, regulations for the installation of equipment by the Institute of Electrical Engineers or any other applicable Codes of Practice.

### Health and Safety at Work Act

#### The Electricity at Work Regulations, 1989

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