

# Accessories for low voltage switchboards

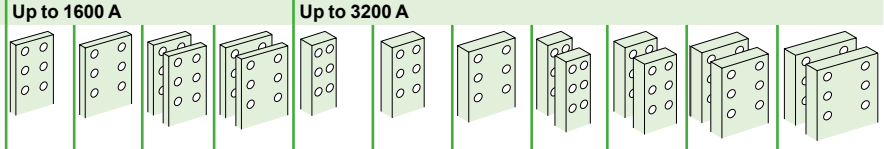
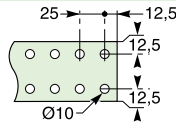
## Power busbars

### Linery BS

#### Linery BS - Lateral flat busbars up to 3200 A

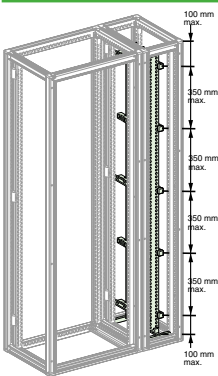
##### Installation in Spacial SF

Pre-slotted copper, 1675 mm length



Permissible current for an ambient temp. of IP > 31 35°C around the switchboard	750 A	900 A	1250 A	1600 A	1080 A	1250 A	1600 A	1850 A	2000 A	2500 A	2820 A
Busbar cross-section (mm)	60 x 5	80 x 5	60 x 5	80 x 5	50 x 10	60 x 10	80 x 10	50 x 10	60 x 10	80 x 10	100 x 10
Number of profiles per phase	1		2		1			2			
<b>References</b>	<b>04516</b>	<b>04518</b>	<b>04516</b>	<b>04518</b>	<b>04525</b>	<b>04526</b>	<b>04528</b>	<b>04525</b>	<b>04526</b>	<b>04528</b>	<b>04550</b>

#### Busbar supports

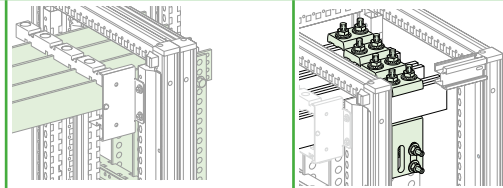


Characteristics	3 fixed supports are compulsory to hold the busbar in position. If more than 3 supports are needed, use free supports (in addition). The bottom wedge support is used to place the busbar and ensure it is in the correct position. It does not count as a busbar support.											
Number of supports depending on I <sub>cw</sub> (kA rms/1 s)	≤ 15	3 *										
	≤ 25	3+2 *		3 *								
	≤ 30	3+2 *								3 *		
	≤ 40	3+4		3+2 *								
	≤ 50			3+4		3+2 *						
	≤ 60					3+4			3+2 *			
	≤ 65					3+4			3+2 *			
	≤ 75							3+6		3+4		
	≤ 85									3+4		

<b>References</b>	Fixed support	<b>NSYBVS**</b>
	Bottom support	<b>NSYAS**</b>
	Free support	<b>NSYBSA</b>

\* If spacing between supports > 350 mm add 1 NSYBSA free support.

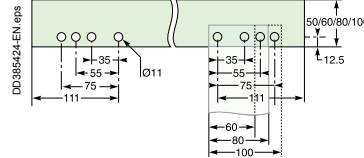
#### Connections to the Linery BS horizontal busbar



Characteristics	For a busbar with 75 mm distance between bars, the bars must be completely covered. Staggered assembly points between one bar and the next, to maintain the necessary clearance distances. <sup>(3)</sup>				References <b>04636</b> , <b>04637</b> , <b>04638</b> are supplied individually: 1 connection per phase. Reference <b>04642</b> consists of 2 M8 x 140 screws which can replace the original M8 x 120 screws.												
	1 bar per phase	2 bars per phase	1 bar per phase	2 bars per phase	50 x 10		60 x 10		80 x 10		50 x 10		60 x 10		80 x 10		100 x 10

References depending on horizontal busbar size	Width ≤ 80 mm	<b>04645</b>	<b>04636</b>	<b>04637</b>	<b>04645</b>
	Width > 80 mm	<b>04645</b>	<b>04636 + 04642</b>	<b>04637 + 04642</b>	<b>04645</b>

(1) Drill hole dimensions for 5 mm thick horizontal busbars.



Drill hole dimensions for 10 mm thick horizontal busbars.

