

ENCLOSURE THERMAL
MANAGEMENT

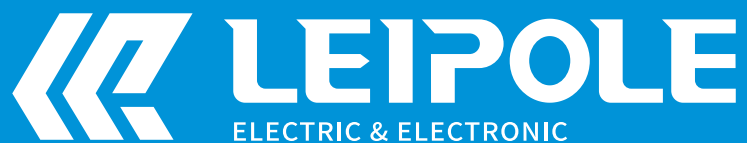
BUSBAR SYSTEM

CONTROL TRANSFORMER

ENCLOSURE ACCESSORIES



Elevating Enclosure Performance



www.leipole.net

LEIPOLE OVERVIEW

Leipole Electric is a global provider of innovative electrical enclosure solutions, specializing in thermal management, control transformers, and busbar systems.

OUR VISION & MISSION

Our vision is to elevate enclosure performance worldwide, and our mission is to deliver reliable, high-quality solutions for industrial efficiency and safety.

INDUSTRY SOLUTIONS

Leipole offers tailored solutions for industries such as manufacturing, automation, and power distribution, ensuring optimized performance and safety.

GLOBAL PRESENCE

With a strong global footprint, Leipole serves customers in Asia, Europe, and the Americas through a robust distribution network.

CORE EXPERTISE

Leipole excels in thermal management, control transformers, busbar systems, and enclosure accessories, backed by continuous innovation and R&D.

PRODUCT DETAILS

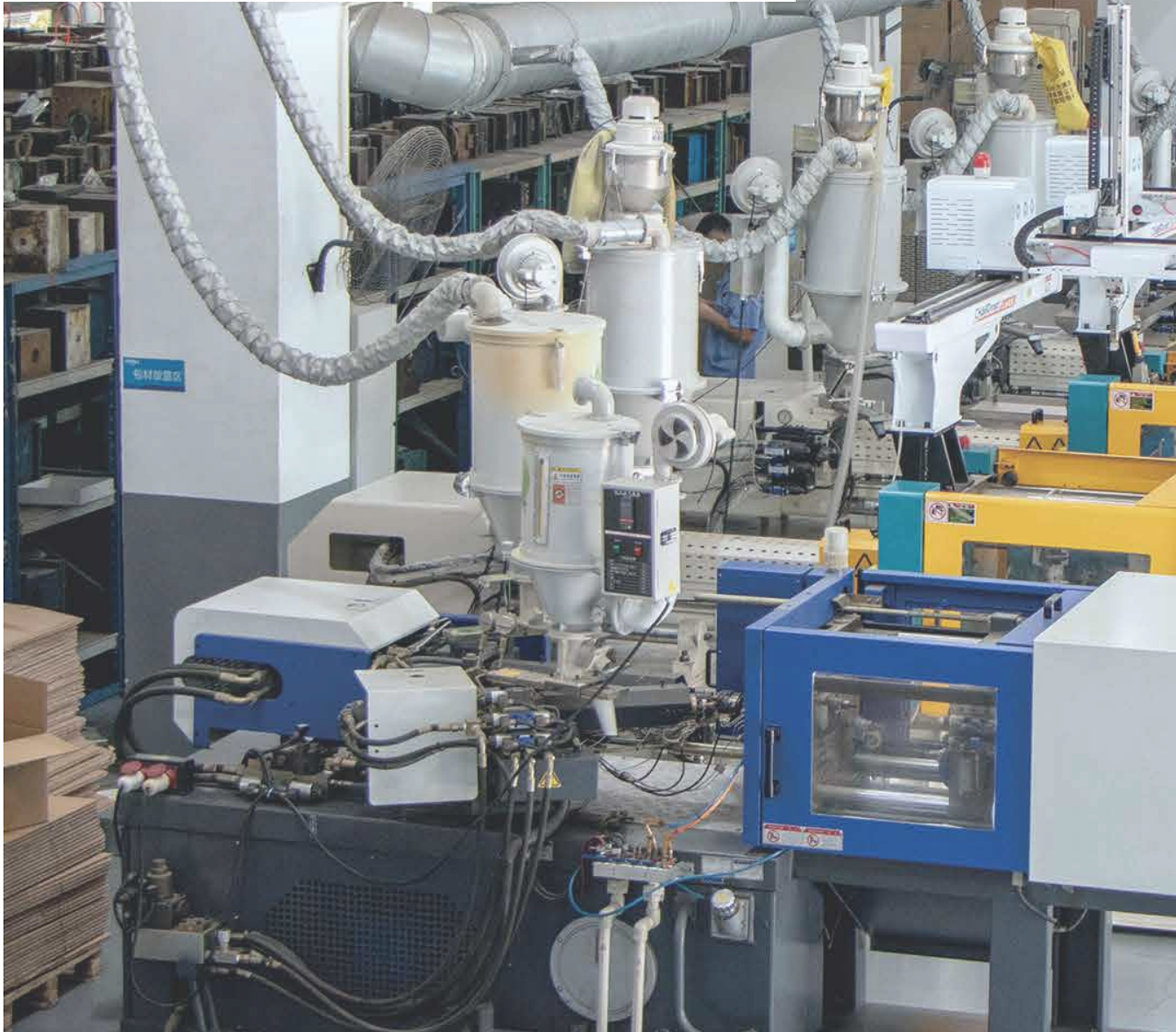
Our comprehensive product line includes cooling fans, transformers, and busbar systems, designed to meet international standards for industrial use.



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LEIPOLE OVERVIEW



ABOUT US

Leipole Electric, headquartered in Singapore, is a premier provider of comprehensive enclosure solutions, offering a wide range of accessories that enhance the performance, safety, and efficiency of electrical systems.



Guided by our slogan, "Elevating Enclosure Performance," we are committed to delivering innovative products that meet the evolving demands of industries worldwide.



OUR VISION

"To elevate enclosure performance globally with innovative, reliable solutions."

VISION

To be the global leader in enclosure solutions, setting new standards in performance, quality, and innovation while driving the success of our clients through exceptional products and services.

MISSION

To elevate the performance of electrical enclosures by providing innovative, reliable, and high-quality accessories that meet the diverse needs of industries globally.

VALUE

Innovation

We drive progress through continuous innovation, developing advanced solutions that meet the evolving needs of modern industries.

Quality

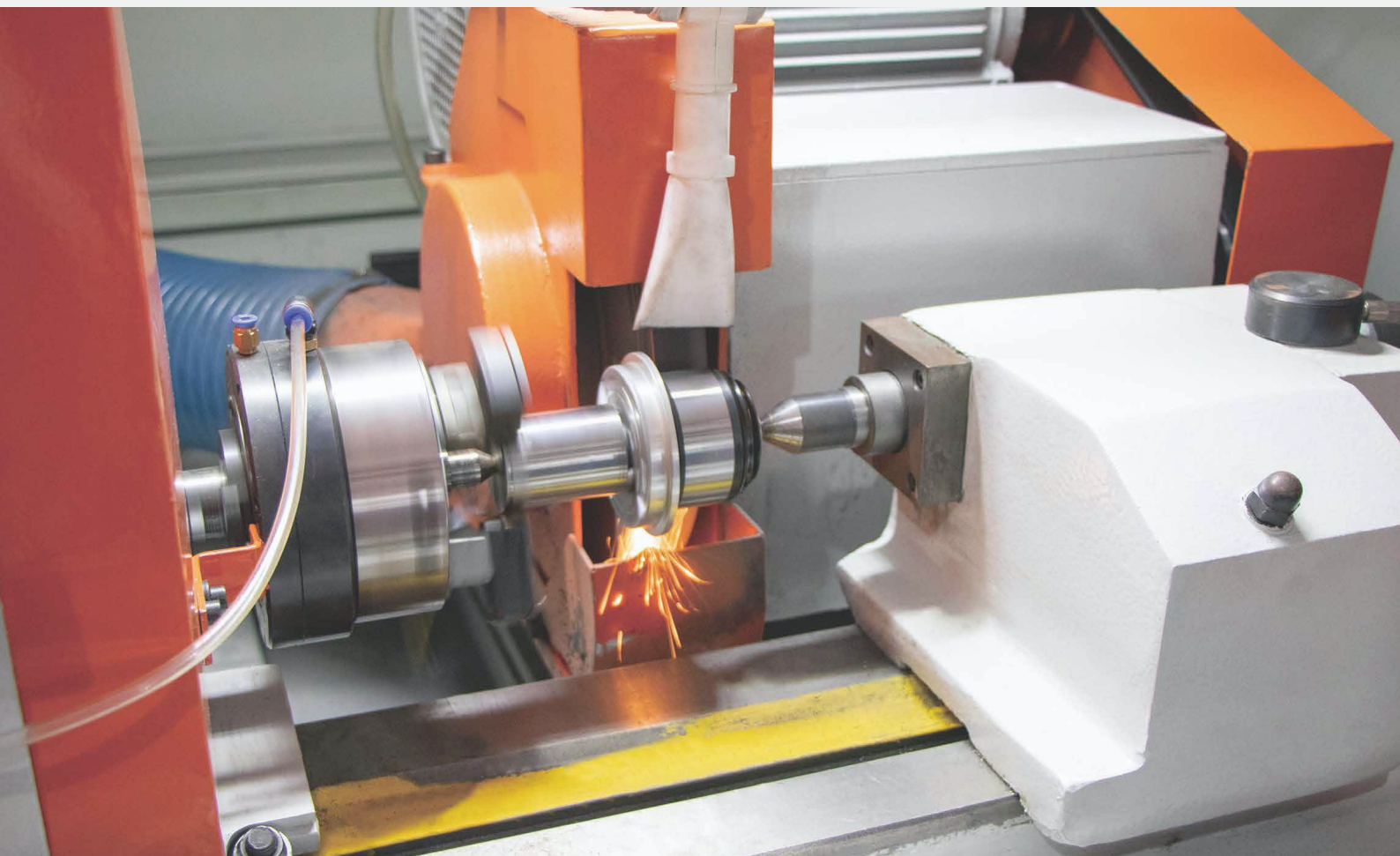
We are committed to delivering products of the highest quality, ensuring reliability, safety, and performance in every solution we provide.

Customer Focus

Our customers are at the heart of everything we do; we strive to exceed their expectations with tailored solutions and exceptional support.

Integrity

We uphold the highest standards of honesty and transparency, fostering trust and long-term relationships with our clients and partners.



INDUSTRY SOLUTIONS

Leipole provides comprehensive solutions for a wide range of industries, ensuring optimal performance and protection for electrical enclosures:

Manufacturing

Leipole's thermal management systems and control transformers improve operational efficiency and reliability, minimizing downtime in high-demand environments.



GLOBAL PRESENCE

Leipole Electric's extensive global network of manufacturing and distribution partners ensures that our products are available to customers worldwide. Our strategic presence in key markets enables us to deliver tailored solutions, backed by responsive support and localized expertise.





EV Charger

Our enclosure cooling systems help maintain the efficiency and safety of EV charging stations by preventing overheating in high-demand environments.



Power Distribution

Leipole's solutions ensure stable and efficient power distribution, with products like busbar systems and cooling fans designed to handle high electrical loads in energy-intensive environments.



Renewable Energy

Our products, such as enclosure cooling solutions and protective accessories, are optimized for renewable energy systems, ensuring performance and longevity in solar and wind applications.



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CORE EXPERTISE

Leipole Electric specializes in the design, manufacturing, and supply of high-quality enclosure accessories

Thermal Management

Leipole specializes in advanced thermal solutions for electrical enclosures, including cooling fans, air conditioners, and heaters. These products are designed to maintain optimal temperatures, prevent overheating, and ensure the reliable performance of sensitive components.

INNOVATIVE R&D

Leipole's R&D team continuously innovates to enhance product functionality, safety, and compliance with international standards, ensuring that our solutions meet the evolving demands of industries like automation, renewable energy, and EV charging.



"In-house UL-accredited laboratory"



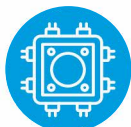
Control Transformers

Leipole's control transformers provide stable voltage regulation and high efficiency for diverse industrial applications



Busbar Systems

Leipole's busbar systems ensure reliable performance, reduced wiring complexity, and enhanced safety for diverse applications.

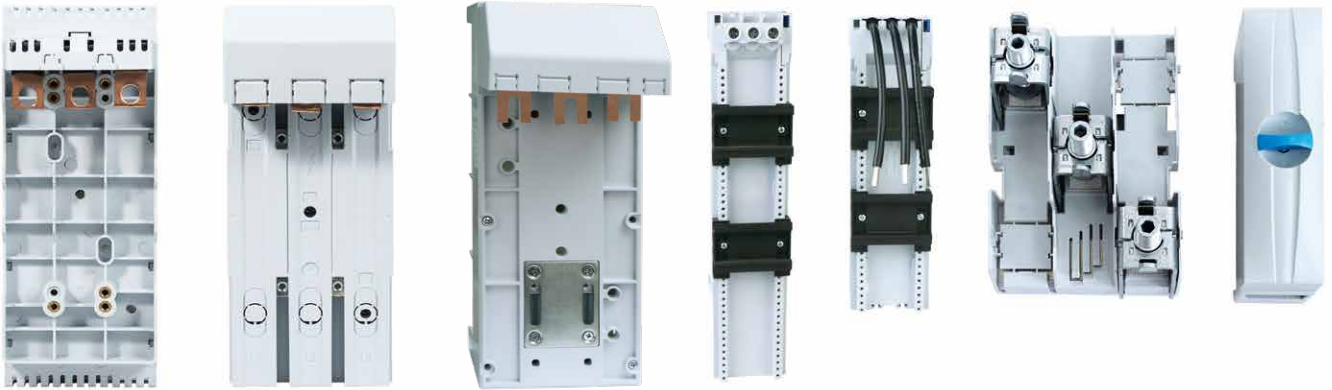


Enclosure Accessories

Leipole offers a comprehensive selection of enclosure accessories, to ensure the protection and efficiency of electrical equipment.



BUSBAR SYSTEM



Efficient and Safe Power Distribution

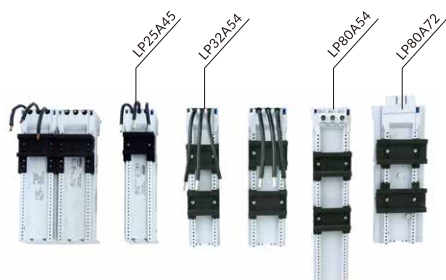
Leipole Electric provides advanced **busbar systems** that offer efficient, reliable, and compact power distribution solutions for industrial and commercial applications. Our busbar systems are designed to streamline electrical connections within enclosures, improving safety, space utilization, and operational efficiency.

Key features of Leipole's busbar systems include:

- **High Conductivity:** Made from high-quality materials, our busbars ensure excellent electrical conductivity with minimal power loss.
- **Compact Design:** The space-saving design optimizes layout within enclosures, reducing wiring complexity and simplifying maintenance.
- **Enhanced Safety:** Built to meet international safety standards, our busbar systems provide safe and secure electrical connections, minimizing the risk of short circuits or overheating.
- **Modular Flexibility:** Available in various configurations, Leipole busbar systems can be easily customized to suit a wide range of applications and power requirements.

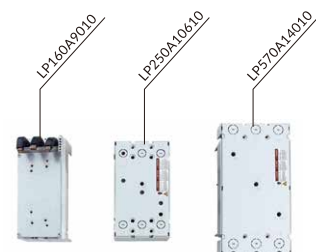
Whether for low or high-power distribution, Leipole's busbar systems are trusted by customers worldwide for their reliability, durability, and ease of installation. Choose Leipole for a streamlined and future-proof power distribution solution.

60mm classic



No.	Type	Adapter width	Adapter length	Packing	Model	Order code
25 A busbar adapter with leads AWG 12±4mm ²						
1	2 mounting rails	45	200	1	LP25A45	5017.059
32 A busbar adapter with leads AWG 10±6mm ²						
2	2 mounting rails	54	200	1	LP32A54	5017.064
3	2 mounting rails	63	200	1	LP32A63	5017.003
4	2 mounting rails	72	200	1	LP32A72	5017.065
5	2 mounting rails	81	200	1	LP32A81	5017.066
63 A busbar adapter with leads AWG 8±10mm ²						
6	2 mounting rails	54	200	1	LP63A54	5017.068
7	2 mounting rails	63	200	1	LP63A63	5017.069
8	2 mounting rails	72	200	1	LP63A72	5017.070
9	2 mounting rails	81	200	1	LP63A81	5017.004
80 A busbar adapter, without leads, with 16mm ² terminals						
10	2 mounting rails	54	200	1	LP80A54	5017.072
11	2 mounting rails	72	200	1	LP80A72	5017.073
12	2 mounting rails	54	260	1	LP80A54	5017.074

60mm classic



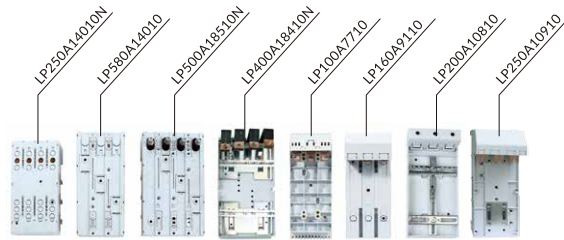
No.	Type	Adapter width	Adapter length	Packing	Model	Order code
Busbar adapter, 3-pole, phase division 23-30mm, connection top						
1	160A, applicable to ABB Tmax T1, Schneider Electric NS 80, GE FD160	200	90	1	LP160A9010	5017.040
2	100A, applicable to Siemens S3, ABB MS49x	200	72	1	LP100A7210	5017.043
Busbar adapter, 3-pole, phase division 35-36mm						
3	250A, applicable to Schneider Electric NSX100/250, GV7	192	106	1	LP250A10610	5017.007
Busbar adapter, 3-pole, phase division 43-45mm						
4	580A, applicable to ABB Tmax T5	300	140	1	LP580A14010	5017.052
5	570A, applicable to Schneider Electric NSX400/630	272	140	1	LP570A14010	5017.008
Busbar adapter, 3-pole, phase division 63mm, connection top						
6	580A, applicable to Siemens 3VL5, connection top	325	184	1	LP580A18410	5017.058

All adapters for busbars 12,15,20,25,30x5-10mm, double-T and triple-T section



60mm classic

630A(800A)/2500A



No.	Type	Adapter width	Adapter length	Packing	Model	Order code
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Busbar adapter, 3-pole, phase division 43-45mm

1	400A, applicable to Hager-HNG400LSI	300	140	1	LP580A14010	5017.022
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top connection to busbar system

Busbar adapter, 4-pole, phase division 43-45mm, connection top

2	500A, applicable to ABB Tmax T5	300	185	1	LP500A18510N	5017.025
3	500A, applicable to Schneider Electric NSX400/630	300	185	1	LP500A18510N	5017.026
4	400A, general type	405	185	1	LP400A18410N	5017.132
5	600A, general type	405	185	1	LP630A18410N	5017.131

top connection to busbar system

All adapters for busbars 12,15,20,25,30x5-10mm, double-T and triple-T section

6	100A, top connection to system	200	77	1	LP100A7710	5017.095
7	160A, top connection to system	225	91	1	LP160A9110	5017.094
8	200A, top connection to system	222	108	1	LP200A10810	5017.029
9	250A, top connection to system	273	109	1	LP250A10910	5017.135

Special busbar adapter

10	400A, general type	345	140	1	LP400A14010	5017.134
11	600A, general type	345	140	1	LP630A14010	5017.133

All adapters for busbars 12-30x5-10mm, double-T and triple-T section

Busbar cover



No.	Type	Packing	Model	Order code
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1	for 12x5 to 30x10, 1m long	—	A1242	5010.133
2	for 40x10 to 60x10, 1m long	—	A1243	5010.134
3	for 12-30x5, 1m long	—	A1244	5010.059
4	for 12-30x10, 1m long	—	A1245	5010.060
5	for double-T and triple-T section, 1m long	—	A1252	5010.061

independent of the system, for individual busbars

Reserve section cover, 3-pole

6	cover section, 1.0mm long, can only be used with mount no.A1028	1	A1025	5010.062
7	mount, 32mm depth, for cover section no. A1025	1	A1028	5010.063
8	mount, 226mm depth, 1.0mm long, can be combined with A1028, A1025	1	A1559	5010.132

can be used for systems with 12-30x5/10 busbars, double-T and triple-T section

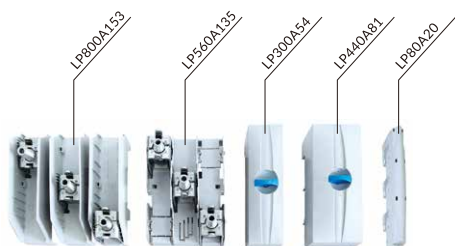
System cover, 3-pole

9	holder set (left+right) for cover sections, 3-pole	1	A1136	5017.010
10	front cover section (3-pole), 1100mm long, can only be used with holder no. A1136	1	A1554	5017.011
11	top/bottom cover section, 1100mm long, can only be used with holder no. A1136 or LPA1137	2	A1555	5017.012
12	The busbar bracket is isolated from the cabinet and is suitable for the 60mm system		A1556	5010.120

can be used for systems with 12,15,20,25,30x5/10 busbars, double-T and triple-T section



Connection module

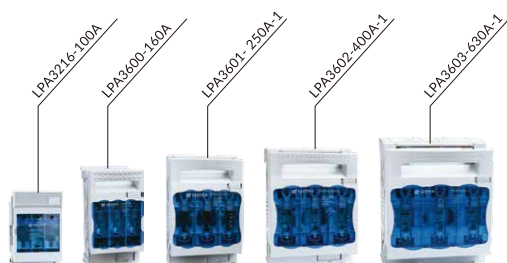


No.	Type	Size (W x H)	Max	Packing	Model	Order code
1	3-pole, 1.5-16mm ² shock-protected with spring terminals	12,15,20,25,30x5,10	10	10	LPSU3-E	5010.048
Connection module, 3-pole, for 12x5-30x10mm, shock-protected with spring terminals						
2	1.5-16mm ²	20x200	80A	8	LP80A20	5010.049
Connecting terminal plate, 3-pole, for 12x5-30x10mm and double-T and triple-T section, with cover cap						
3	6-50mm ² , s(r),f,f+AE, Cu 6x9x0.8	54x200	300A	1	LP300A54	5010.050
4	35-120mm ² , s(r),f,f+AE, Cu 6/10x15.5x0.8	81x200	440A	1	LP440A81	5010.051
Connecting terminal plate, 3-pole, for 20x5-30x10mm and double-T and triple-T section, with cover cap						
5	Cu and Al* 95-185mm ² , s(r),s(s),f	135x200	460A	1	LP460A135	5010.052
6	Cu and Al* 120-300mm ² , s(r),s(s),f	135x200	560A	1	LP560A135	5010.053
7	For use up to max.32-20** flat busbars	135x200	630A	1	LP800A135	5010.054
**Note minimum opening space connecting clamp						
Connect set, 3-pole, for 20x5-30x10mm and double-T and triple-T section, without cover cap						
8	Cu and Al* 120-300mm ² , s(r),s(s),f	153x184	560A	1	LP560A153	5010.055
9	For use up to max.32-20 flat busbars	153x184	630A	1	LP800A153	5010.056
* not maintenance-free when aluminium conductors are used						

NH-fuse holder (bus bar type)



Open structure diagram



No.	Type	Model	Order code
NH-fuse holder (bus bar type), Upper or lower connection, 3 poles			
1	Universal 60mm busbar type, NH load circuit breaker 630A, M10 screw connection	LPA3603-630A-1	5010.138
2	Universal 60mm busbar type, NH load circuit breaker 400A, M10 screw connection	LPA3602-400A-1	5010.139
3	Universal 60mm busbar type, NH load circuit breaker 250A, M10 screw connection	LPA3601-250A-1	5010.140
4	Universal 60mm busbar type, NH load circuit breaker 160A, frame terminal connection	LPA3600-160A	5010.141
NH-fuse holder (Rail or mounting plate)			
5	NH load circuit breaker 100A, rail or mounting plate installation	LPA3216-100A	5010.146
NH-fuse holder (bus bar type), Upper or lower connection, 3 poles			
6	Universal 60mm busbar type, NH load circuit breaker 630A, frame terminal connection	LPA3603-630A-2	5010.147
7	Universal 60mm busbar type, NH load circuit breaker 400A, frame terminal connection	LPA3602-400A-2	5010.148
8	Universal 60mm busbar type, NH load circuit breaker 250A, frame terminal connection	LPA3601-250A-2	5010.149

BUSBAR TERMINAL BLOCK



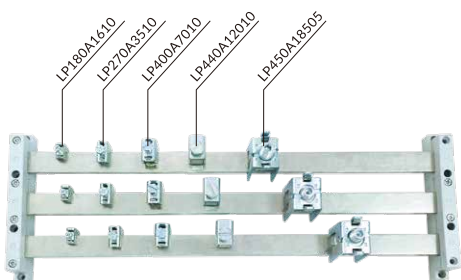
Model	Order Code	Wire diameter (mm ²)	Thickness (mm)
LP32A0405	5010.150	0.5-4	5
LP32A0410	5010.151	0.5-4	10
LP80A1605	5010.152	1.5-16	5
LP80A1610	5010.153	1.5-16	10

Busbar holder



No.	Type	Busbars	Packing	Model	Order code
Busbar support, for double-T profiles without end cover, 60mm spacing					
1	1-pole, for connection to LPSU3-B and individually mountable		1	LPSU1-B	5010.097
2	3-pole		1	LPSU3-B	5010.098
End cover					
3	for LPSU1-B		1	LPSU1-BBF	5010.102
4	for LPSU3-B		1	LPSU3-BBF	5010.103
Busbar support, 3-pole, 185mm spacing					
5	30-120x10 rectangular busbar and 2T and 3T - shaped busbar without hole		1	A1230	5010.135
Busbar support, for double-T profiles or 10x30/5x30, 60mm spacing					
6	2-pole with internal scerw holes	12,15,20,30x5,10	1	LPSU2-A	5010.039
7	3-pole with internal scerw holes	12,15,20,25,30x5,10	1	LPSU3-A	5010.040
8	4-pole with internal scerw holes	12,15,20,25,30x5,10	1	LPSU4-A	5010.041
PE/N busbar supports, including PE and N labels					
9	1-pole individually mountable	12,15,20,25,30x5,10	1	LPSU1-A	5010.042
Connection busbar support, 60mm spacing					
10	3-pole with integrated 1.5-16mm ² terminals	12,15,20,25,30x5,10	1	LPA1484	5010.043
End cover, for covering busbar ends					
11	for LPSU1-A		1	LPSU1-ABF	5010.044
12	for LPSU2-A, set right and left		1	LPSU2-ABF	5010.045
13	for LPSU3-A, set right and left		1	LPSU3-ABF	5010.046
14	for LPSU4-A, set right and left		1	LPSU4-ABF	5010.047

Busbar terminals



No.	For busbars	Connection mm ² min.-max.	Terminal space WxH	For use up to max.	Packing	Model	Order code
Universal conductor terminal							
1	5mm flat busbars	1.5-16	7.5x7.5	180A	100	LP180A1605	5010.073
2		4-35	10.5x11	270A	50	LP270A3505	5010.074
3		16-70	14x14	400A	25	LP400A7005	5010.075
4		16-120	17x15	440A	25	LP440A12005	5010.076
5	10mm flat busbars	1.5-16	7.5x7.5	180A	100	LP180A1610	5010.077
6		4-35	10.5x11	270A	50	LP270A3510	5010.078
7	10mm, double-T and triple-T section	16-70	14x14	400A	25	LP400A7010	5010.079
8		16-120	17x15	440A	25	LP440A12010	5010.080

No.	For busbars	Connection	For use up to max.	Packing	Model	Order code
ProfiClip, brace terminals						
9	20x5-30x10, double-T and triple-T section	for flat busbars up to 30x20	750A	6	LP750A2010	5010.081
10		Cu and Al*95-185mm ² , s(r), s(s), f	500A	6	LP500A18510	5010.082
11		for flat busbars up to 32x20	800A	3	LP800A2010	5010.083
12		Cu and Al*120-300mm ² , s(r), s(s), f	600A	3	LP600A30010	5010.084

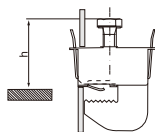
Choose 5 with the 5mm thick busbar, and use the 10mm busbar to select 10

No.	For busbars	Terminal WxH	For use up to max.	Packing	Model	Order code
PowerClip, brace terminal for the connection of flat and flexible copper busbars						
13	30x10, double-T and triple-T section	55x28	1600A/2000A*	3	LP1600A55	5010.089

* in case of centre feed

Busbar terminal

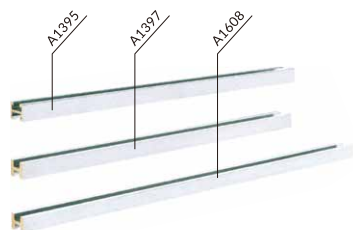
Dimensions



Model	SU201/206	SU202/207	SU203/208	SU204/209	SU205/300
Order number	5010.029	5010.030	5010.031	5010.032	5010.033
Order number	5010.034	5010.035	5010.036	5010.037	5010.038
Minimum H mm	17	22	26	39	44
Maximum H mm	23	29	39	57	66

Model	SU 201	SU 202	SU 203	SU 204	SU 205	SU 206	SU 207	SU 208	SU 209	SU 300
Thickness	4-5mm	4-5mm	4-5mm	4-5mm	4-5mm	9-10mm	9-10mm	9-10mm	9-10mm	9-10mm
Round lead wiring*	1-4mm ²	2.5-16mm ²	16-50mm ²	35-70mm ²	70-185mm ²	1-4mm ²	2.5-16mm ²	16-50mm ²	35-70mm ²	70-185mm ²
Stack space	—	8×8mm	10.5×11mm	16.5×15mm	22.5×20mm	—	8×8mm	10.5×11mm	16.5×15mm	22.5×20mm
Torque	2Nm	3Nm	6-8Nm	10-12Nm	12-15Nm	2Nm	3Nm	6-8Nm	10-12Nm	12-15Nm
Per package	50pcs	50pcs	50pcs	50pcs	50pcs	50pcs	50pcs	50pcs	50pcs	50pcs

Copper busbar



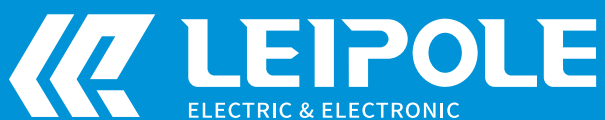
No.	Size	Length	Cross section mm ²	Packing	Model	Order code
Standard copper busbar, tin-plated section profiles						
1	double-T busbar	2.4m	500	1	A1609	5010.105
2		790mm	500	1	A1395	5010.106
3		2.4m	720	1	A1608	5010.107
4		790mm	720	1	A1397	5010.108
Standard copper busbar, plain section profiles						
5	double-T busbar	3.6m	500	1	A1223	5010.112
6		2.4m	500	1	A1250	5010.113
7		3.6m	720	1	A1229	5010.114
8		2.4m	720	1	A1249	5010.115

Copper busbar



No.	Size
Standard copper busbar, flat busbars, Tin or Nickel	
1	20x5
2	25x5
3	30x5
4	25x10
5	30x10

The order of different length, please contact the company



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