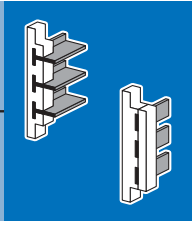
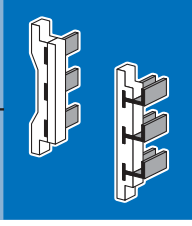
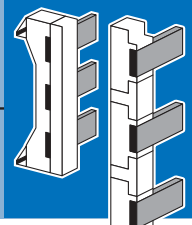
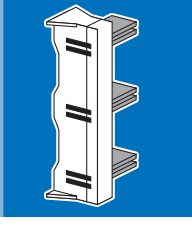
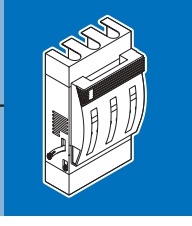
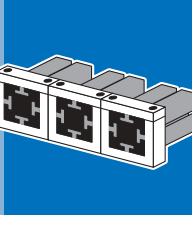
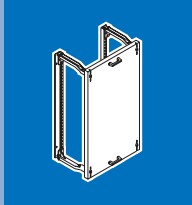


Rittal power distribution components

	Bar centre distance (mm)	Number of poles	Image	Busbar dimensions	
				Rittal special busbars	Flat copper bars
Rittal Mini-PLS busbar system up to 250 A	40	3-pole		120 mm ²	
Busbar systems up to 360 A	40	3-pole			12 x 5 – 15 x 10 mm
Busbar systems up to 800 A	60	1 – 5-pole			12 x 5 – 30 x 10 mm
Rittal PLS busbar system up to 800 A/1600 A	60	3-pole		300 mm ² 900 mm ²	
Busbar systems up to 1250 A	100	3-pole			30 – 60 x 10 mm
Busbar systems up to 1600 A	185	3-pole			50 – 80 x 10 mm
Busbar systems up to 2500 A/3000 A	150	2 x 3-pole			60/80 x 10 mm 100 x 10 mm
Components for mounting plate assembly					
Accessories, software, technical information					
Rittal Maxi-PLS up to 2000 A/3200 A	100 150	3-/4-pole		45 x 45 mm 60 x 60 mm	
Rittal ISV installation distribution enclosure					

NEW

NH isolators				NH on-load isolators					Con- nec- tion tech- nology	Compo- nent adaptor	Bus mounting fuse bases	Cover systems	From page		
00	1	2	3	000	00	1	2	3							
				•					•	•	•	•	Overview Rittal Mini-PLS busbar system up to 250 A Rittal Mini-PLS components	12 20 22	Busbar systems 40 mm
				•					•	•	•	•	Busbar systems up to 360 A Components and accessories	26 27	
•				•	•	•	•	•	•	•	•	•	Overview Busbar systems up to 800 A/1600 A Components and accessories	32 40 46	Busbar systems 60 mm
•				•	•	•	•	•	•	•	•	•			
•				•	•	•	•	•	•	•	•	•	Overview Busbar systems up to 1250 A Components and accessories	76 80 82	Busbar systems 100/185 mm
•	•	•	•						•			•	Overview Busbar systems up to 1600 A Components and accessories	92 94 96	
									•				Overview Busbar systems up to 2500 A/3000 A	98 99	Busbar systems 150 mm
				•	•	•	•	•					NH on-load isolators	100	
													Busbars and accessories Rittal SV Software Overview of power circuit-breakers Technical information	104 106 110 114	NH isolators/ busbars
													Overview Maxi-PLS components SV-TS 8 enclosures Technical information	124 134 160 180	
•				•	•	•	•	•	•	•	•	•	ISV installation distribution enclosures Planning sequence	186 204	ISV installation distribution enclosure
													Index A – Z	208	

Innovative PLS ideas: Only from Rittal

With Rittal PLS systems, you know you are on the right track when it comes to finding the perfect solution to current and future tasks.

The system is based on three special busbars from Rittal, each of which are trail-blazers in their own sector.



Rittal Mini-PLS up to 250 A

The outstanding feature is the T-shaped support of the special bar section, as well as the unrestricted top mounting of the support and busbar connectors. Components are assembled from the front using a plug and lock action.

Rittal PLS up to 800 A/1600 A

The copper busbar in the shape of a "1" forms an ideal unit with the support. The special design of the busbar permits unrestricted top mounting of the support with power distribution components for 60 mm bar centre distance.

Rittal Maxi-PLS up to 2000 A/3200 A

This special Rittal busbar symbolises simple, compact system assembly without any machining. Type-tested modular system technology forms the basis for a system design which conforms to the pertinent regulations. Together with the SV-TS 8 enclosure system, this is the ideal unit.



Fast and complete!

Holistic system solutions, fast assembly and tailor-made wiring make PLS systems particularly efficient.



Compact and safe

Clear structures and consistent use of the enclosure's interior space are typical of Rittal PLS systems. The shockproof design is a key priority.



High load capacity and top mounting!

Powerful design complete with safety back-up – the ingenious shape of all Rittal PLS special busbars permits a high thermal and static load capacity. The busbar supports are suitable for unrestricted top-mounting.

Cost-effective

As energy consumption levels look set to rise, growing importance is attached to the rational assembly of power supply units.

The cost-effectiveness aspect is an outstanding characteristic of the broad spectrum of components in the Rittal low-voltage distributor range.





Individual solutions!

Rittal offers an innovative range of low-voltage power distribution solutions for the compact, safe configuration of busbar systems.



Fast assembly!

No machining, little effort, and an assembly with high contact stability – these are the characteristic features of rational system configuration with Rittal SV components.



Compact power!

The copper busbars in the Mini-PLS, PLS and Maxi-PLS were specially developed by Rittal. The sections are ingeniously shaped to make them more versatile than flat copper bars.

The new system concept

Rittal SV-TS 8 with Maxi-PLS – the solution for low-voltage distributors and switchgear in the heavy current sector. The future-oriented, complete modular system offers a new dimension in cost-effectiveness and reliability, thanks to its quick-fit assembly.

Complete

Rittal busbar systems combined with assembly and fuse components provide the ultimate in complete, professional solutions.





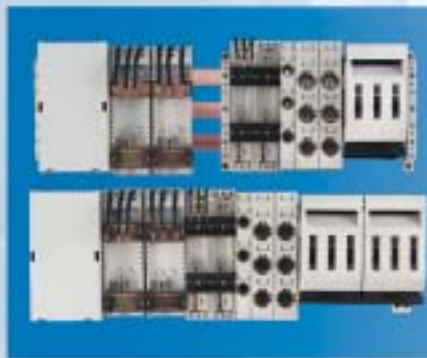
Tailor-made components!

Rittal power distribution components and enclosure systems are carefully coordinated in terms of dimensions and mounting technology, or else form a complete system unit, as in the case of Rittal Maxi-PLS and SV-TS 8 enclosure systems.



System diversity!

Component adaptors with the appropriate mounting and connection technology are available for standard protective equipment and switchgear.



Functional yet compact!

Rittal SV systems are designed for optimum space utilisation. The two Rittal special busbar systems PLS and Mini-PLS are particularly outstanding in this respect because the busbar supports are suitable for top mounting. This means that an extra size 00 isolator can be added, for example.

Project planning made easy

Information is the key to solving complex tasks. With this in mind, Rittal has published a textbook summarising the key facts about using power distribution components. The special software program "SV Plan" saves time with the project planning, calculation and documentation of busbar systems.

Reliable

Modern, heavy-duty power distributors offer future-oriented solutions.

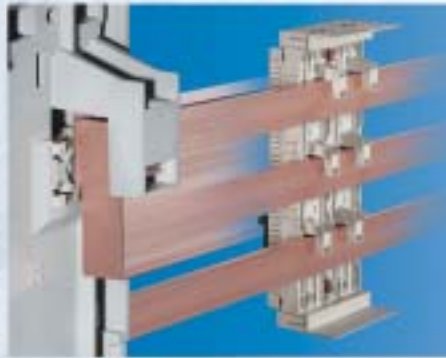
Rittal power distribution components provide innovative, tested systems for electrical engineers.





Bus technology included!

The option of combining switchgear with load feeder modules for bus technology allows low voltage distributors to be integrated with modern industrial controllers.



Contact stability!

The clamping screw and snap-on technology in Rittal power distribution components ensures vibration resistant connection and attachment to busbars with high contact stability.



All-round contact hazard protection!

Achieve the required levels of contact hazard protection with standard components! Base tray and cover sections for all-round encapsulation of busbar systems, system covers for terminals, cover sections for individual busbars, holder covers and end covers.

Type-tested systems

Type testing for temperature rise and short-circuit resistance performed in accredited testing laboratories e.g. to DIN VDE 0660, part 500 or IEC 60 439-1 provides an impressive testimony to the suitability of Rittal busbar systems.