

Rittal – The System.

Faster – better – everywhere.

▶ TS 8 Bayed Enclosure System



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The whole is more than the sum of its parts

The same is true of “Rittal – The System.” With this in mind, we have bundled our innovative enclosure, power distribution, climate control and IT infrastructure products together into a single platform complemented by our extensive range of software tools and global service, we create unique added value for our customers. In accordance with our simple principle, “Faster – better – everywhere”, we are able to deliver high quality innovative products quickly and efficiently.



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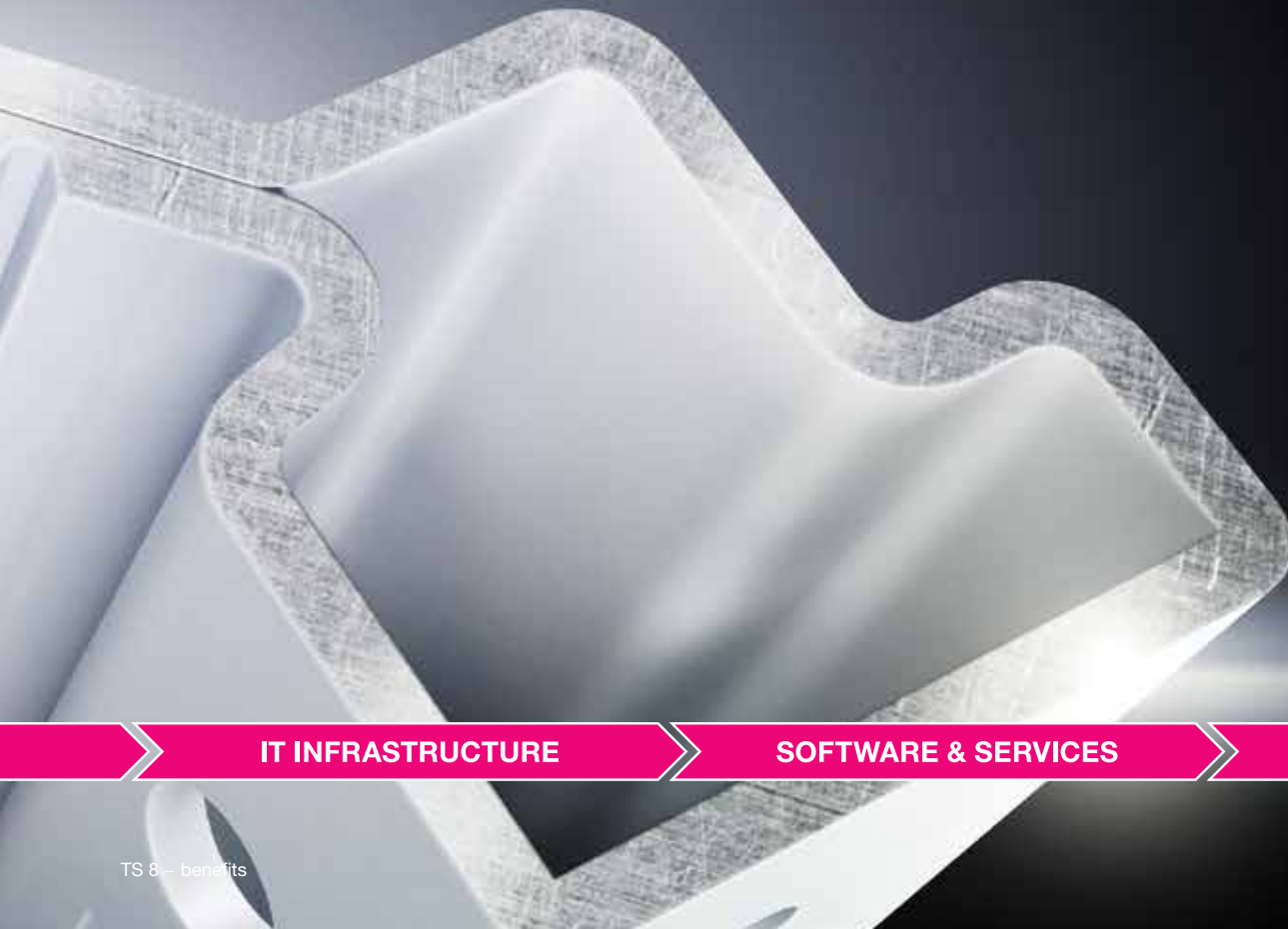
TS 8

Benefits

Ingeniously simple, fully symmetrical and patented worldwide – that is the recipe for the success of a design principle which has been sold more than 10 million times in all industries and applications. The concept forms the basis for the bayed enclosure system TS 8, which has set a completely new approach to interior mounting and configuration. Simply locate and secure. A few seconds is all it takes to create additional mounting levels or to integrate components. Absolutely safe – guaranteed.

TS 8 stands for:

- Efficiency
- Flexibility
- Safety
- Quality
- Productivity



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Efficiency

Efficiency is the key to becoming more competitive! The bottom line is what counts, especially when labor is now a major cost factor. The purposefully conceived, platform-independent TS design provides cost and time savings throughout the design, integration and installation stage of any project.



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Significant space and time savings

- Two symmetrical frame levels with identical pitch patterns in the width and depth allowing same accessories to be used in both directions as well as doors to be installed on the side
- Up to 15% better space utilization due to consistent use of the outer mounting level that leads to more space for further components, e.g. for efficient cable routing
- Straightforward hole count enables simple component installation in the enclosure
- Precise and efficient time-saving planning through EPLAN Pro Panel & RICAD 3D

Automatic potential equalization

- Potential equalization for the gland plates, side walls, rear wall and roof is achieved automatically when the enclosure is assembled.
- Saves the installation of up to 7 ground straps
- Simplifies assembly/disassembly of all exterior parts
- Enhances safety

One-person assembly

- The door hinge can be switched to the other side without mechanical modification
- The position of the mounting panel can be changed depth-wise in steps of 25 mm
- The Rittal base/plinth system Flex-Block facilitates fast and easy assembly
- Punched sections are located in the required frame hole and screwed into place

Energy efficient climate control

- Rittal's ecological climate solutions matched perfectly to the TS 8 enclosure for optimum performance
- Reliable seal quality guarantees efficient cooling performance with only minimal losses

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Flexibility

More room means more maneuverability. Problem solved!

We've all been there – you need an extra enclosure, a different size, or the local site conditions require special buying.



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Cable entry

- Maximum flexibility through possibilities for cable entry from all sides (roof, sides, base)
- High degree of ingress protection is maintained
- Convenient cable entry for large numbers of cables and large cross-sections

Baying

- The symmetry of the enclosure offers infinite baying possibilities - side to side, side to back & back to back
- Continuous mounting surface even with the mounting panel in its rearmost position
- Optimum space utilization through the mounting of wire ducts on the shared vertical sections of the bayed TS 8 enclosure
- Reliable baying connectors permit the transport of bayed enclosures

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Safety

Protection with high standards!

By observing international standards and approvals, you can operate in complete confidence throughout all the world's markets, in extreme climatic conditions. With Rittal's TS 8 enclosure systems you get a safe and internationally certified solution with high load capacity, 15% less frame weight, and 30% higher stability.



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Personal and Equipment Safety

- High load-bearing capacity up to 3000 lbs providing piece of mind even for the most difficult applications
- Seamlessly foamed PU seals provide for maximum safety and a guaranteed degree of ingress protection
- Simple handling and secure locking thanks to the TS 8 enclosure locking system with four-point retention
- Rittal's Flange Mount Disconnect (pictured at left) offers a unique door to door interlocking system that prevents unauthorized entry in energized enclosures

Approvals

- All components are subjected to the most stringent testing in accordance with international standards and regulations
- The consistent high product quality is ensured by a comprehensive quality management system
- Regular production inspections by external regulatory agencies insures compliance with global standards
- The TS 8 meets all IEC, UL & CSA requirements for enclosures

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Quality

Quality and high-class workmanship build trust!

There is nothing more irritating than products which start to rust after a short time, or doors that buckle and fail to fulfill their intended purpose.

Availability from stock means flexibility in both planning and production and saves storage space.

We deliver:

- Surface treatment to automotive industry standards
- Large-scale production with consistently high quality
- Our own accredited laboratory carries out all major product tests



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Tested quality

Accredited Rittal test laboratory for:

- Simulation of climatic conditions
- Dynamic and static load tests
- 3D measurement
- Testing of IP protection categories and NEMA/UL type ratings
- Salt spray tests
- Electrical safety and function tests
- Performance testing of cooling units and heat exchangers
- Material tests

Paint finish

Optimum corrosion protection resistant to mineral oils, lubricants, machining emulsions and cleaning solvents achieved in three stages:

1st stage: Nanoceramic primer

2nd stage: Electrophoretic dipcoat-priming

3rd stage: Textured powder-coating

Series manufacturing

- Constant quality thanks to an automated manufacturing process
- Practically unrestricted availability of series products
- Delivery from stock

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Productivity



Engineering

Maximize the benefits:

- EPLAN Data Portal – Over 350,000 data records for project management in electrical engineering
- EPLAN Electric P8 and EPLAN Pro Panel – Consistent project management, documentation and administration

System

Maximize the benefits:

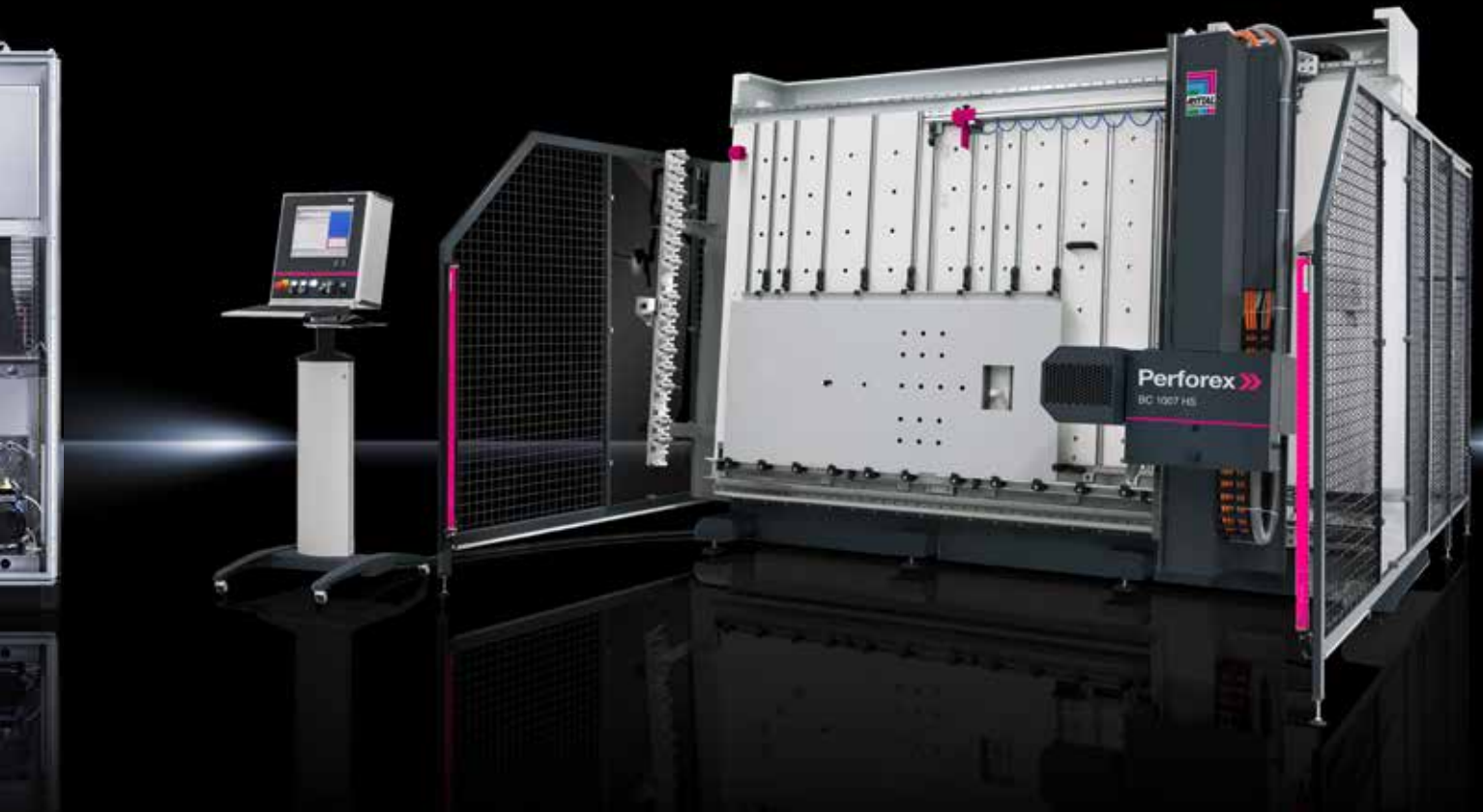
- Innovative modular system
- Tested quality
- Optimum cost efficiency
- Available for immediate, worldwide delivery

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Automation

Maximize the benefits:

- Fully automated machining of enclosures, cases and mounting plates
- Fully automated wiring of mounting plates
- Manufacturing support in the areas of cutting, configuration and handling

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TS 8 – Diversity in series

With the TS 8, you are choosing the global standard for bayed enclosure systems. And that accolade was not granted without reason, because its ingenious design principle permits the configuration of perfect solutions for practically all requirements encountered in the field. And all of this in stock and available for immediate delivery.



Baying Systems TS 8

Sheet steel, spray finished			
Height mm	Width mm	Depth mm	Model No.
1200	600	500	8615.500
1200	800	500	8815.500
1200	1200	500	8215.500
1400	600	500	8645.500
1400	800	500	8845.500
1400	1200	500	8245.500
1600	600	500	8665.500
1600	800	500	8865.500
1600	1200	500	8265.500
1800	600	400	8684.500
1800	800	400	8884.500
1800	1000	400	8080.500
1800	1000	400	8084.500
1800	1200	400	8284.500
1800	1600	400	8901.210
1800	400	500	8485.510
1800	600	500	8685.500
1800	800	500	8880.500
1800	800	500	8885.500
1800	1000	500	8085.500
1800	1200	500	8285.500
1800	1600	500	8901.220
1800	1800	500	8901.260
1800	400	600	8486.510
1800	600	600	8686.500
1800	800	600	8881.500
1800	800	600	8886.500
1800	1200	600	8286.500
1800	1600	600	8901.230
2000	600	400	8604.500
2000	800	400	8804.500
2000	1000	400	8004.500
2000	1200	400	8204.500
2000	400	500	8405.510
2000	400	500	8405.500
2000	600	500	8605.500
2000	800	500	8805.500
2000	1000	500	8005.435
2000	1000	500	8005.500

2000	1200	500	8205.500
2000	1600	500	8901.290
2000	1800	500	8901.420
2000	400	600	8406.510
2000	600	600	8606.500
2000	800	600	8806.500
2000	1000	600	8006.530
2000	1000.	600	8006.500
2000	1200	600	8206.500
2000	1600	600	8901.400
2000	1800	600	8901.430
2000	600	800	8608.500
2000	800	800	8808.500
2000	1000	800	8008.530
2000	1200	800	8208.500
2000	1600	800	8901.410
2000	1800	800	8901.440
2200	600	500	8625.500
2200	800	500	8825.500
2200	1000	500	8025.500
2200	1200	500	8225.500
2200	600	600	8626.500
2200	800	600	8826.500
2200	1000	600	8026.500
2200	1200	600	8226.500
2200	600	800	8628.500
2200	800	800	8828.500
2200	1000	800	8028.500
2200	1200	800	8228.500

Disconnect			
Height mm	Width mm	Depth mm	Model No.
1400	800	500	8984.235
1400	1000	500	8945.500
1800	800	400	9951.134
1800	800	500	9951.135
1800	1000	500	9951.136
1800	1600	500	9951.138
1800	1800	500	9951.140
2000	800	500	9951.142
2000	800	600	9951.143
2000	800	800	9951.144
2000	1000	500	9951.145

2000	1000	600	9951.146
2000	1600	500	9951.147
2000	1600	600	9951.148
2000	1800	500	9951.150
2000	1800	600	9951.151
2200	800	600	9951.153
2200	1000	500	9951.154

Floormount			
Height mm	Width mm	Depth mm	Model No.
1600	1200	300	8018.795
1600	1200	400	8018.799
1600	1600	400	8018.800
1600	1200	500	8018.803
1800	1800	400	8018.802
1800	1600	500	8018.804
1800	1800	500	8018.792

Floormount Disconnect			
Height mm	Width mm	Depth mm	Model No.
1600	1200	400	8018.808
1600	1600	400	8018.809
1800	1800	400	8018.811
1600	1200	500	8018.812
1800	1600	500	8018.814
1800	1800	500	8018.815

Electronic enclosures			
Height mm	Width mm	Depth mm	Model No.
1600	600	600	8410.510
1600	600	800	8418.510
2000	600	600	8430.510
2000	600	800	8438.510

UL Type 3R

NEMA 3R, sheet steel, spray-finished			
Height mm	Width mm	Depth mm	Model No.
2000	1000	600	8006.548
2000	600	600	8606.548
2200	600	600	8626.548

2000	800	600	8806.548
2200	800	800	8828.548

UL Type 4X

IP66/NEMA 4X, stainless steel 1.4404 (AISI 316L)			
Height mm	Width mm	Depth mm	Model No.
2000	800	800	9977.466
2000	800	600	9977.467
2000	800	500	9977.468
2200	800	600	9977.469
2000	600	600	9977.470
2200	600	600	9977.471
1800	800	500	9977.472
2000	600	800	9977.473
2200	800	800	9977.474
1800	800	600	9977.475
2200	600	800	9977.476
1800	600	600	9977.477
2200	600	800	9977.476
1800	600	600	9977.477

IP 66/NEMA 4

IP 66/NEMA 4, sheet steel, spray-finished			
Height mm	Width mm	Depth mm	Model No.
2000	800	600	8806.580

IP 66/NEMA 4X, stainless steel 1.4301 (AISI 304)			
Height mm	Width mm	Depth mm	Model No.
2000	800	600	8450.680



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ts-8-modular-enclosures

... also for IT

With the TS IT, you are investing in a system platform which will scale to meet your developing needs for many years to come. And that applies not only to the rack itself, but also to the aspects of climate control, power and monitoring. Further information on TS IT can be found in our IT infrastructure brochure or by visiting www.rittal.us.

Network/Server Enclosures TS IT Enclosure Perforated Front/Rear Doors

Model No. RAL 9005	Model No. RAL 7035	U	Height inches (mm)	Width inches (mm)	Depth inches (mm)
5504.210	5504.110	24	48 (1200)	32 (800)	40 (1000)
5508.210	5508.110	42	80 (2000)	24 (600)	40 (1000)
5509.210	5509.110	42	80 (2000)	32 (800)	40 (1000)
5521.210	-	42	80 (2000)	24 (600)	41 (1050)
9972.000	9972.001	42	80 (2000)	28 (700)	41 (1050)
5522.210	-	42	80 (2000)	32 (800)	41 (1050)
5510.210	5510.110	42	80 (2000)	24 (600)	48 (1200)
9972.002	9972.003	42	80 (2000)	28 (700)	48 (1200)
5511.210	5511.110	42	80 (2000)	32 (800)	48 (1200)
5513.210	5513.110	47	88 (2200)	24 (600)	40 (1000)
5514.210	5514.110	47	88 (2200)	32 (800)	40 (1000)
5523.210	-	47	88 (2200)	24 (600)	41 (1050)
5524.210	-	47	88 (2200)	32 (800)	41 (1050)
9972.004	9972.005	47	88 (2200)	28 (700)	41 (1050)
5515.210	5515.110	47	88 (2200)	24 (600)	48 (1200)
9972.006	9972.007	47	88 (2200)	28 (700)	48 (1200)
5516.210	5516.110	47	88 (2200)	32 (800)	48 (1200)

TS IT Enclosure with Viewing Front Door – Solid Rear Door

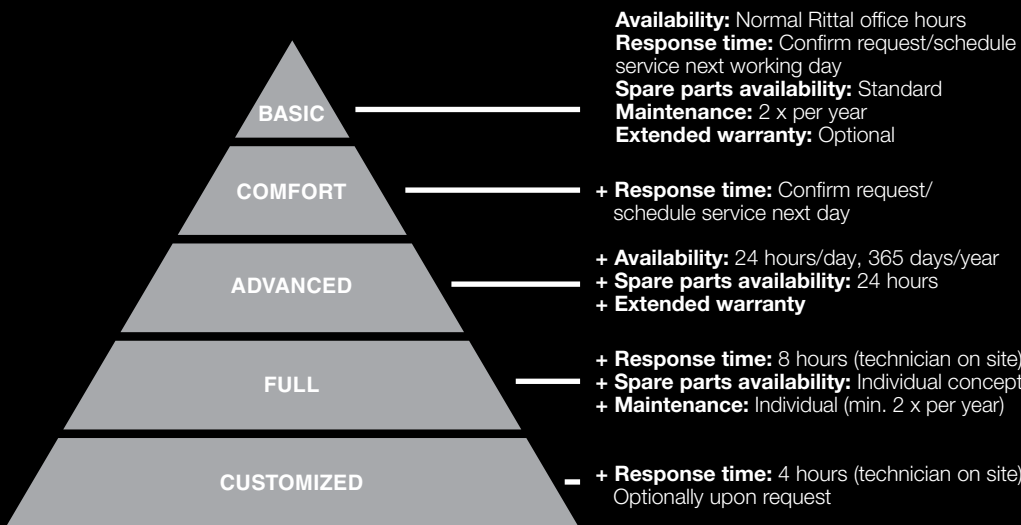
Part No. RAL 9005	Part No. RAL 7035	u	Height inches (mm)	Width inches (mm)	Depth inches (mm)
5503.220	5503.120	24	48 (1200)	32 (800)	32 (800)
5504.220	5504.120	24	48 (1200)	32 (800)	40 (1000)
5505.220	5505.120	38	71 (1800)	32 (800)	32 (800)
5506.220	5506.120	42	80 (2000)	32 (800)	24 (600)
5507.220	5507.120	42	80 (2000)	32 (800)	32 (800)
5508.220	5508.120	42	80 (2000)	24 (600)	40 (1000)
5509.220	5509.120	42	80 (2000)	32 (800)	40 (1000)
5510.220	5510.120	42	80 (2000)	24 (600)	48 (1200)
5511.220	5511.120	42	80 (2000)	32 (800)	48 (1200)
5512.220	5512.120	47	88 (2200)	32 (800)	32 (800)

Note: Imperial measurements are approximate, metric measurements are exact

Services

Flexible service contracts: The right solution to match your requirements

Features of the Rittal service packages at a glance:



The benefits to you:

- Short response times thanks to local technicians
- Preserve the value of your equipment
- Extended warranty up to 5 years
- Spare parts held in stock
- Cost transparency

5 years

Manufacturers' warranty in conjunction with a signed service agreement

Spare parts – any time, anywhere

Added value, thanks to global availability of individual parts

Professional spare parts management guaranteeing maximum global availability of spare parts, and graduated service contracts matched precisely to your individual requirements: That is what you can expect from Rittal International Service. A service contract enables you to spell out many details, such as the availability of spare parts, specifically for your equipment or system. International service: At your service, any time, anywhere.

The benefits to you:

- Customer-specific components are held in stock on the basis of individual service contracts
- Decentralized warehousing to ensure fast and reliable spare parts availability
- Approved original spare parts from the manufacturer

Rittal – The System.

Faster – better – everywhere.

- Enclosures
- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

TS 8 – Full details are available at:



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