

Exhibit 4

Rittal- The System

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Network/server enclosures TS IT – DK 5511.110

Date : Feb 6, 2015

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POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES



FRIEDHELM LOH GROUP

Network/server enclosures TS IT – DK 5511.110

erstellt am : 06.02.2015 build on www.rittal.com/us-en



Product description

Material:	Carbon steel Aluminum
Surface finish:	Enclosure frame: Dipcoat-primed Interior installation: Dipcoat-primed Doors and roof: Dipcoat-primed, powder coated
Color:	Housing frame and panels: RAL 7035
Supply includes:	Enclosure frame TS 8 with doors and roof plate Lock front and rear: Comfort handle for semi-cylinders and security lock 3524 E Two 482.6 mm (19") mounting sections front and rear, variably mounted on support strips with quick-release fasteners Multi-tooth screws M5, cage nuts M5, conductive (supplied loose) 1 pc(s). Roof plate, multi-piece, removable, with side cable entry in the depth and covered cut-out for fan mounting plate 1 pc(s). Carbon steel door at the rear, vertically divided, vented (vented surface area approx. 85% perforated), 180° hinges
Note:	Door opening may vary depending on site requirements or applications.
Packaging unit:	1 pc(s).
EAN:	4028177678149
eCl@ss 5.1:	27180201
eCl@ss 7.0:	27180207



Product features

Dimensions:	Height: 2000 mm (79 ") Width: 800 mm (31 ") Depth: 1200 mm (47 ")
Installation height for components:	42 U
Distance between levels as delivered:	745 mm (29 ")
Load capacity:	19" level: 15000 N
Weight:	102 kg (224.9 lb.)

Approvals

Approvals:	 UL + C-UL (EN)
Certificates:	 Certificates (EN)

Downloads

Data sheets:	 Technical details (EN)
Documentation:	 Instructions (FR, NL, IT, ES, DE, EN)
CAD drawings:	Request

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Faster – better – worldwide.

TS IT



DK 5503.120	DK 5508.120	DK 5512.120
DK 5504.110	DK 5509.110	DK 5513.110
DK 5504.120	DK 5509.120	DK 5514.110
DK 5505.120	DK 5510.110	DK 5515.110
DK 5506.120	DK 5510.120	DK 5516.110
DK 5507.120	DK 5511.110	
DK 5508.110	DK 5511.120	

Montage- und Bedienungsanleitung
Assembly and operating instructions
Notice d'emploi et de montage
Montage- en bedieningshandleiding
Montage- och bruksanvisning
Istruzioni di montaggio
Instrucciones de montaje
取扱説明書

ENCLOSURES

POWER DISTRIBUTION

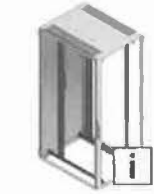
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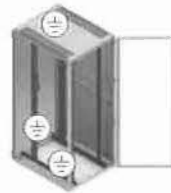
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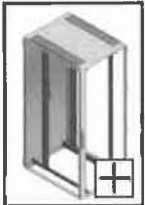
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Zubehör/Accessories/Accessoires

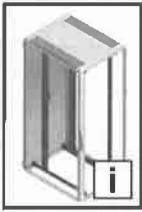
18 - 25



		RAL 7035	5503.120	5504.120	5505.120	5506.120	5507.120	5508.120	5509.120	5510.120	5511.120	
	Best.-Nr. DK Model No. DK Référence DK											
	W		800	800	800	800	800	600	800	600	800	
	H		1200	1200	1800	2000	2000	2000	2000	2000	2000	
			D	800	1000	800	600	800	1000	1000	1200	1200
	Best.-Nr. DK Model No. DK Référence DK	RAL 7035	-	5504.110	-	-	-	5508.110	5509.110	5510.110	5511.110	
	W		-	800	-	-	-	600	800	600	800	
	H		-	1200	-	-	-	2000	2000	2000	2000	
			D	-	1000	-	-	1000	1000	1200	1200	
		F [N]	↓ 15000									
			2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	
			3 x	3 x	3 x	3 x	3 x	3 x	3 x	3 x	3 x	
	M6 x 13		7 x	7 x	7 x	7 x	7 x	7 x	7 x	7 x	7 x	
	M5 x 16		50 x	50 x	50 x	50 x	50 x	50 x	50 x	50 x	50 x	
	M6 x 12		4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	
	A 8,4		3 x	3 x	3 x	3 x	3 x	3 x	3 x	3 x	3 x	
	A 6,4		5 x	5 x	5 x	5 x	5 x	5 x	5 x	5 x	5 x	
	A 6,4		2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	
	Ø 8,2		1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	
	Ø 6,1		5 x	5 x	5 x	5 x	5 x	5 x	5 x	5 x	5 x	
	8,1		2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	
	M8		3 x	3 x	3 x	3 x	3 x	3 x	3 x	3 x	3 x	
	M6		4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	
	M5		50 x	50 x	50 x	50 x	50 x	50 x	50 x	50 x	50 x	
	M6		4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	4 x	
	300 mm		5 x	5 x	5 x	5 x	5 x	5 x	5 x	5 x	5 x	
			1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	
			2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	2 x	
			10 x	10 x	10 x	10 x	10 x	10 x	10 x	10 x	10 x	
			1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x	



	RAL 7035	5512.120	-	-	-	-
	W	800	-	-	-	-
	H	2200	-	-	-	-
	D	800	-	-	-	-
	RAL 7035	-	5513.110	5514.110	5515.110	5516.110
	W	-	600	800	600	800
	H	-	2200	2200	2200	2200
	D	-	1000	1000	1200	1200
	F [N]	↓ 15000				
		2 x	2 x	2 x	2 x	2 x
		3 x	3 x	3 x	3 x	3 x
	M6 x 13	7 x	7 x	7 x	7 x	7 x
	M5 x 16	50 x	50 x	50 x	50 x	50 x
	M6 x 12	4 x	4 x	4 x	4 x	4 x
	A 8,4	3 x	3 x	3 x	3 x	3 x
	A 6,4	5 x	5 x	5 x	5 x	5 x
	A 6,4	2 x	2 x	2 x	2 x	2 x
	Ø 8,2	1 x	1 x	1 x	1 x	1 x
	Ø 6,1	5 x	5 x	5 x	5 x	5 x
	8,1	2 x	2 x	2 x	2 x	2 x
	M8	3 x	3 x	3 x	3 x	3 x
	M6	4 x	4 x	4 x	4 x	4 x
	M5	50 x	50 x	50 x	50 x	50 x
	M6	4 x	4 x	4 x	4 x	4 x
	300 mm	5 x	5 x	5 x	5 x	5 x
		1 x	1 x	1 x	1 x	1 x
		2 x	2 x	2 x	2 x	2 x
		10 x	10 x	10 x	10 x	10 x
		1 x	1 x	1 x	1 x	1 x



D

Allgemein

Änderungen dieses Dokuments behalten wir uns ohne Ankündigung vor. Die Informationen in diesem Dokument werden ohne Gewähr für ihre Richtigkeit zur Verfügung gestellt. Insbesondere enthalten diese Informationen keinerlei zugesicherte Eigenschaften.

Zielgruppe

Dieses Dokument richtet sich an Personen, die mit der Installation von IT-Racks und Rack-Produkten betraut sind. Die Installation darf nur von geschulten Mitarbeitern durchgeführt werden. Rittal setzt voraus, dass Sie über die erforderliche Qualifikation zur Durchführung von Installationen verfügen und sich der Risiken bewusst sind, die beim Umgang mit Racks und Rack-Produkten auftreten können.

Sicherheitshinweise



Gefahr!
Unmittelbare Gefahr für Leib und Leben.

Entpacken und bewegen

- Achtung, das TS IT Rack ist kopflastig und kann umkippen. Beim Bewegen und Auspacken des Racks werden mindestens 2 Personen benötigt.
- Bei Nichtbeachtung dieser Vorschrift kann es zu folgenschweren Verletzungen und/oder zu Sachschäden kommen.

Betriebsumgebung

- Achtung, das TS IT Rack ist nur für die sachgerechte Anwendung im Innenbereich bestimmt.
- Bitte beachten Sie hierzu auch die Herstellerangaben der zu verbauenden Komponenten. Es sind besonders die zulässigen Umgebungsparameter wie Temperatur, Luftfeuchtigkeit und die Anforderungen an die Umgebungsluft zu berücksichtigen.
- Achtung, das TS IT Rack muss, bei Installation mit offenen oder teilweise geöffneten, elektrischen Komponenten und einer leicht entflammaren Oberfläche am Aufstellungsort, zusätzlich von unten mit Bodenblechen verschlossen sein.

19"-Verstellung

- Achtung, Gefahr durch herabfallende Geräte. Beim Verstellen der Profilschienen dürfen keine Geräte auf diesen eingebaut sein.
- Bei Nichtbeachtung kann es zu schweren Verletzungen und/oder zu Schäden an Geräten kommen.

Rackstabilisierung

Je nach Aufstellungsort und/oder Rack-Konfiguration sind Stabilisierungsmaßnahmen empfehlenswert bzw. erforderlich.



Zubehör:

Kippschutz/Bodenbefestigung, siehe Katalog.

Erdung

- Jedes TS IT Rack muss vor Inbetriebnahme fachgerecht mit der Erdung am Aufstellungsort verbunden werden.
- Hierzu wird die Verwendung des im Lieferumfang enthaltenen, zentralen Erdungspunkts empfohlen.
- Die Erdung darf nur von geschultem Fachpersonal mit entsprechender Zulassung durchgeführt werden.

Rackbestückung

- Die Installation der Geräte muss den jeweiligen Bestimmungen für die Installation von elektrischen Geräten und Geräten der Datenverarbeitungstechnik entsprechen.
- Die Installation darf nur von geschultem Fachpersonal mit entsprechender Zulassung durchgeführt werden.
- Bevor Sie das TS IT Rack bestücken, sollten Sie die Platzierung aller Komponenten festlegen. Die Faktoren der jeweiligen Komponenten, wie Gewicht, Erreichbarkeit sowie Anforderungen an Stromversorgung, Temperatur und Luftzirkulation, haben einen Einfluss auf die Reihenfolge und den Ort, an dem Sie die Komponenten im Rack platzieren. Platzieren Sie die schwersten Komponenten stets unten im TS IT Rack. Dadurch erhöhen Sie die Standsicherheit.
- Für Bauteile oder Komponenten, die mehr als 22,5 kg wiegen, werden für die Montage und Demontage mindestens zwei Personen benötigt.
- Es ist stets auf eine ordnungsgemäße Befestigung bzw. auf eine gesicherte Lage aller Komponenten und Rack-Bauteile zu achten.
- Vor der Inbetriebnahme müssen die TS IT Racks, egal ob in Einzelaufstellung oder als Rackreihe, mit geeigneten Seitenwänden verschlossen werden.

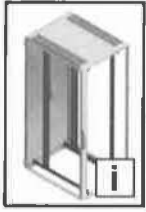
Vorsicht bei Auszugskomponenten und Gerätebodenauszug

- Zur Vermeidung von Verletzungen oder Sachschäden müssen Sie das TS IT Rack angemessen stabilisieren, bevor Sie eine Komponente oder einen Geräteboden aus dem Rack herausziehen.
- Ziehen Sie immer nur eine Komponente/einen Geräteboden heraus. Das Rack kann instabil werden, wenn mehrere Komponenten gleichzeitig herausgezogen werden.

Kontaktadresse

Rittal Service International:

Help Desk Deutschland:
Tel. +49 (0) 2772 505-1855



EN

General

This document is subject to change without prior notification. No guarantees are given for the accuracy of the information contained herein. The information is in particular not to be understood to imply warranted qualities in any product.

Target group

This document is aimed at persons entrusted with the installation of IT racks and rack products. Installation work must only be performed by trained persons. Rittal assumes that you possess the necessary qualifications to perform installation work and that you are aware of the hazards which may arise when working with racks and rack products.

Safety notes



Danger!
Immediate danger to life and limb.

Unpacking and moving

- Attention: The TS IT rack is top-heavy and can tilt over. At least two persons are required when moving or unpacking the rack.
- Failure to observe this rule may lead to serious injuries and/or material damage.

Operating environment

- Attention: The TS IT rack is designed exclusively for use as intended in indoor environments.
- Also observe the information provided by the manufacturer(s) of the components to be installed. Particular attention must be paid to the permissible environmental parameters, such as temperature and humidity, and to the demands placed on the ambient air.
- Attention: In case of installations with exposed or partially exposed electrical components located near an inflammable surface, the TS IT rack must also be sealed in the base with gland plates.

482.6 mm (19") level adjustments

- Attention: Hazards due to falling devices and equipment. If the mounting levels are to be adjusted, no devices or equipment must be installed on the levels concerned.
- Failure to observe this rule may lead to serious injuries and/or damage to the devices or equipment.

Rack stabilisation

Stabilisation measures are recommended or even imperative, depending on the place of installation and/or the rack configuration.



Accessories:

Stabilisers/floor brackets, see Catalogue.

Earthing

- Each TS IT rack must be properly connected to the earthing system at the place of installation before commissioning.
- To this end, it is recommended that the central earthing point included in the scope of supply is used.
- Earth connections must only be made by trained expert personnel holding corresponding certificates of qualification.

Rack configuration

- The installation of devices and equipment must comply with the applicable regulations pertaining to the installation of electrical and data processing devices and equipment.
- Installation work must only be performed by trained expert personnel holding corresponding certificates of qualification.
- Determine the positions of the individual components before starting the actual configuration of the TS IT rack. Factors such as weight, accessibility, power supply requirements, temperature and air circulation influence the order of installation and the positioning of the individual components in the rack. The heaviest components should always be installed in the bottom of the TS IT rack, as that increases the stability of the rack.
- At least two persons are required to install or remove equipment or components which weigh more than 22.5 kg.
- Always ensure proper fixing and safe placement of all components and rack elements.
- Whether installed as a stand-alone configuration or in a rack suite, TS IT racks must always be closed with appropriate side panels prior to commissioning.

Caution in case of withdrawable components and component shelves

- To avoid injuries or material damage, the TS IT rack must be stabilised appropriately before pulling out any withdrawable components or component shelves.
- Always pull only one component or component shelf out at a time. The rack may become unstable if several components are pulled out at once.

Contact address

Rittal Service International:

Help Desk Germany:
Tel. +49 (0) 2772 505-1855



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Généralités

Sous réserve de modifications de ce document sans préavis. Les informations contenues dans ce document sont mises à disposition sans garantie de leur exactitude. Ces informations ne contiennent surtout pas de caractéristiques garanties.

Public ciblé

Ce document s'adresse à des personnes qui sont familiarisées avec l'installation des baies IT et des accessoires pour les baies. L'installation doit être effectuée uniquement par des personnels formés. Riital part du principe qu'ils possèdent la qualification nécessaire pour effectuer l'installation et qu'ils sont conscients des risques possibles lors de la manipulation des baies et des accessoires pour les baies.

Consignes de sécurité



Danger !
Risque de blessure grave,
voire mortelle.

Déballage et transport

- Attention, la baie TS IT est lourde à l'avant et peut basculer. Deux personnes, au minimum, sont nécessaires pour le transport et le déballage de la baie.
- Le non-respect de cette consigne peut entraîner des blessures conséquentes et/ou des dommages matériels.

Milieu ambiant

- Attention, la baie TS IT est exclusivement destinée à une mise en œuvre appropriée en intérieur.
- Veuillez également respecter les indications du fabricant pour les composants à intégrer. Il faut, en particulier, tenir compte des paramètres ambiants comme la température, l'humidité de l'air et les exigences vis à vis de l'air ambiant.
- Attention, dans le cas de l'installation d'équipements électriques ouverts ou partiellement ouverts sur un site où certaines surfaces sont facilement inflammables, alors la baie TS IT doit être équipée de plaques passe-câbles étanches.

Réglage 19"

- Attention, risque dû aux appareils qui chutent. Aucun appareil ne doit être installé sur les montants 19" lors du réglage de ceux-ci.
- Le non-respect peut entraîner des blessures graves et/ou des dommages sur les appareils.

Stabilisation des baies

Des mesures de stabilisation sont conseillées ou nécessaires en fonction du lieu d'implantation et/ou de la configuration de la baie.



Accessoires :

Stabilisateurs/fixation au sol, voir le catalogue général.

Mise à la terre

- Chaque baie TS IT doit, sur le lieu d'implantation, être reliée à la terre selon les règles de l'art avant sa mise en service.
- Nous vous conseillons, pour cela, l'utilisation de la borne centralisée de mise à la terre incluse dans les limites de fourniture.
- La mise à la terre doit être effectuée uniquement par du personnel formé et qualifié qui possède l'habilitation requise.

Equipement des baies

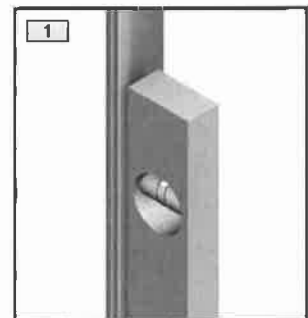
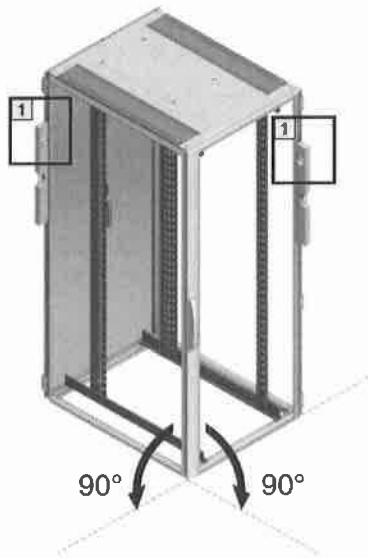
- L'installation des appareils doit correspondre aux différentes règles pour l'installation d'appareils électriques et d'appareils de traitement des données.
- L'installation doit être effectuée uniquement par du personnel formé et qualifié qui possède l'habilitation requise.
- L'implantation de tous les composants devrait être définie avant d'équiper la baie TS IT. Les facteurs des différents composants comme la masse, l'accessibilité ainsi que les besoins d'alimentation électrique, de température et de circulation d'air ont une influence sur l'ordre et le lieu d'implantation des composants dans la baie. Placer toujours les composants les plus lourds dans le bas de la baie TS IT. Cela augmente la stabilité.
- Le montage et le démontage des équipements ou des composants d'une masse supérieure à 22,5 kg nécessitent au moins deux personnes.
- Il faut toujours veiller à une fixation conforme ou à une implantation fiable de tous les composants et équipements de la baie.
- Quelles soient installées seules ou en rangées, les baies TS IT doivent toujours être obturées par des panneaux latéraux appropriés avant leur mise en service.

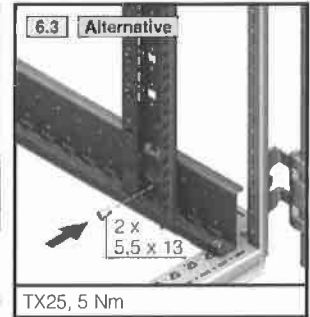
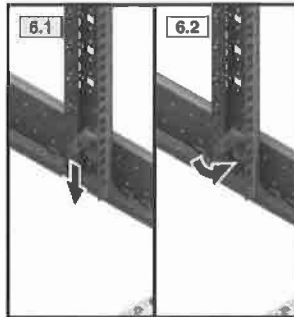
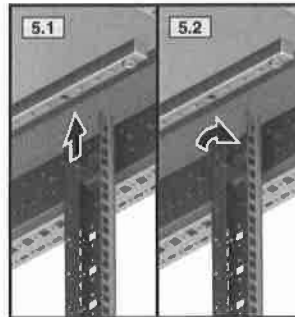
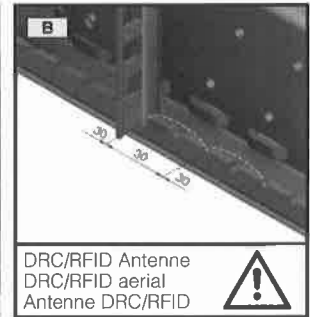
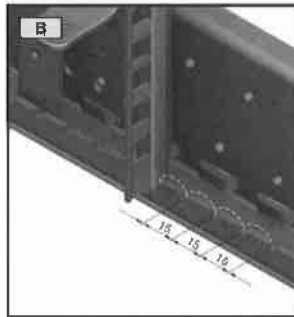
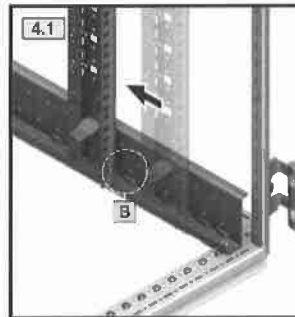
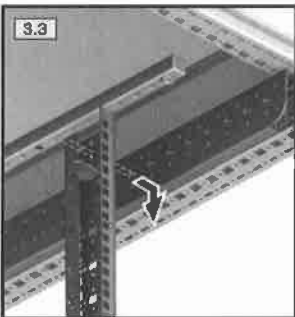
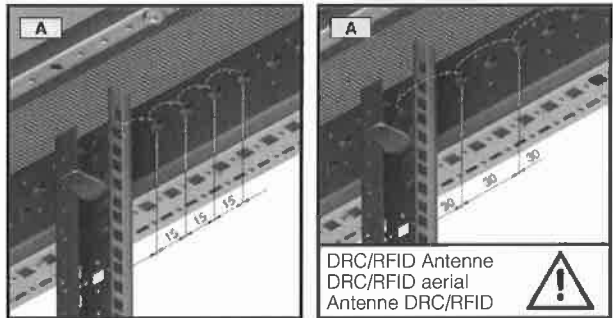
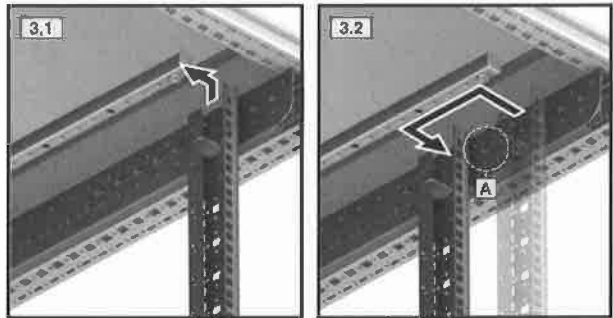
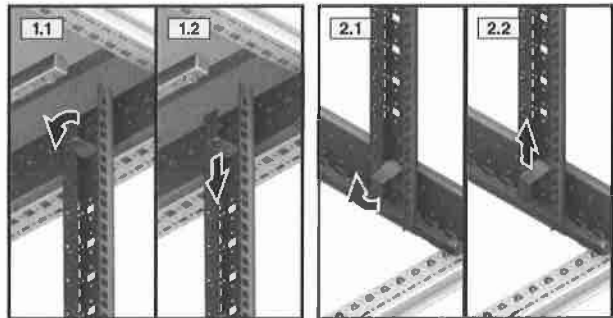
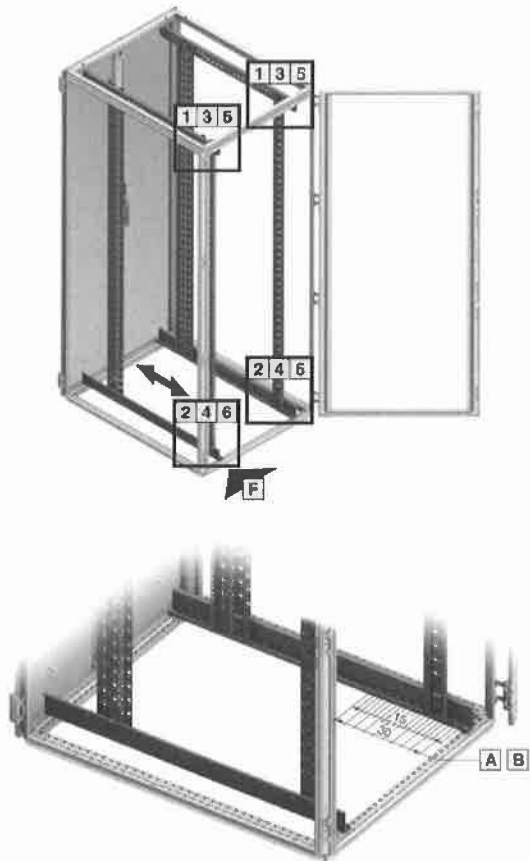
Prudence avec les composants et les tablettes d'appareillage extensibles

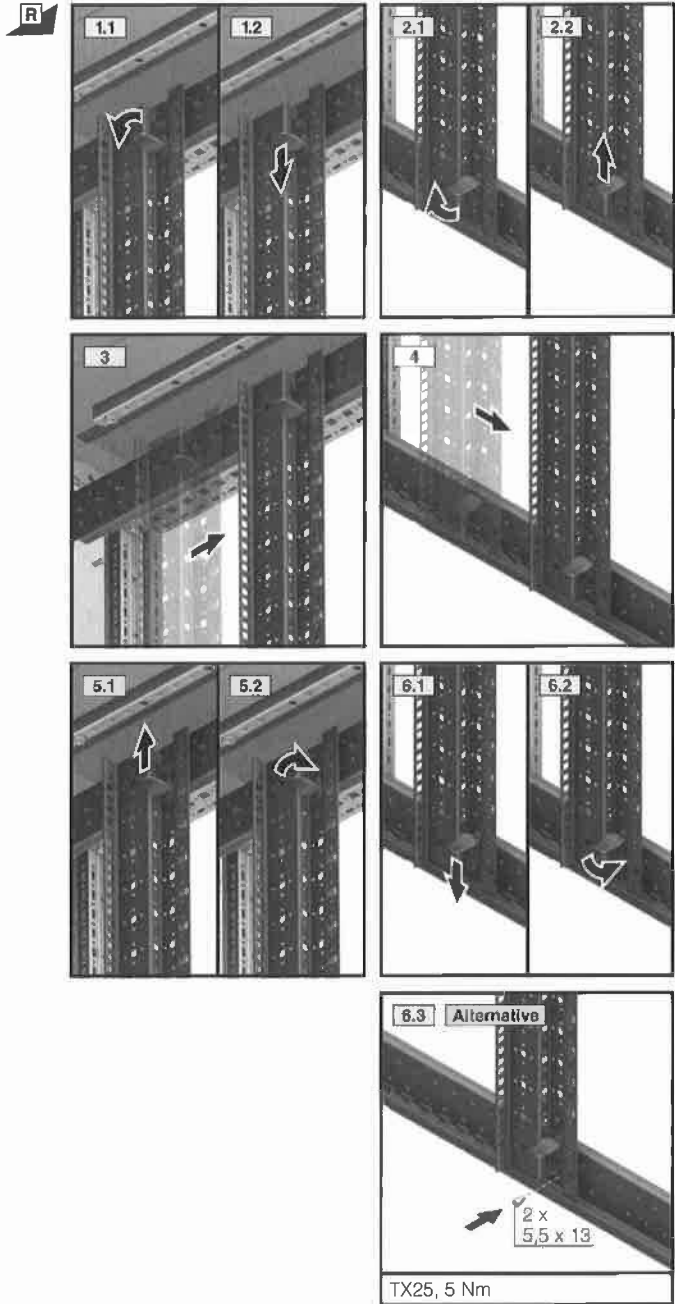
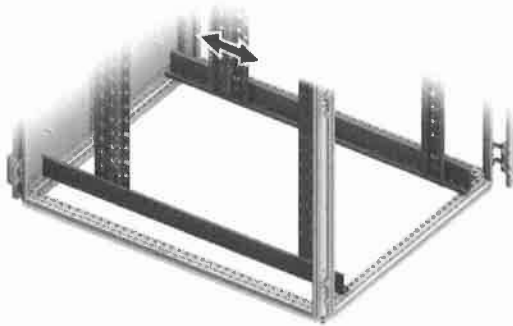
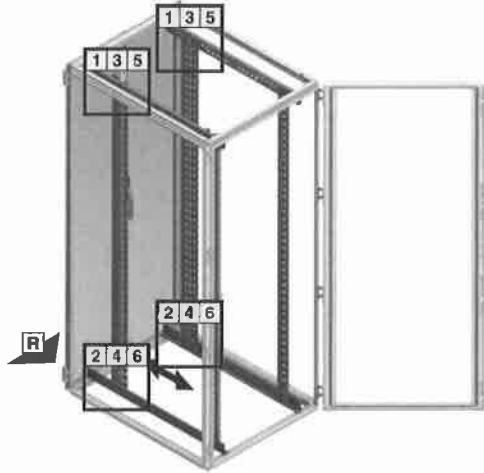
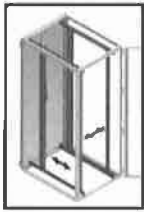
- Pour éviter les blessures ou les dommages matériels, il faut stabiliser convenablement la baie TS IT avant de sortir un composant ou une tablette d'appareillage de la baie.
- Sortir toujours un seul composant ou une seule tablette d'appareillage. La baie peut devenir instable lors de la sortie simultanée de plusieurs composants.

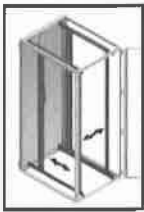
Contact

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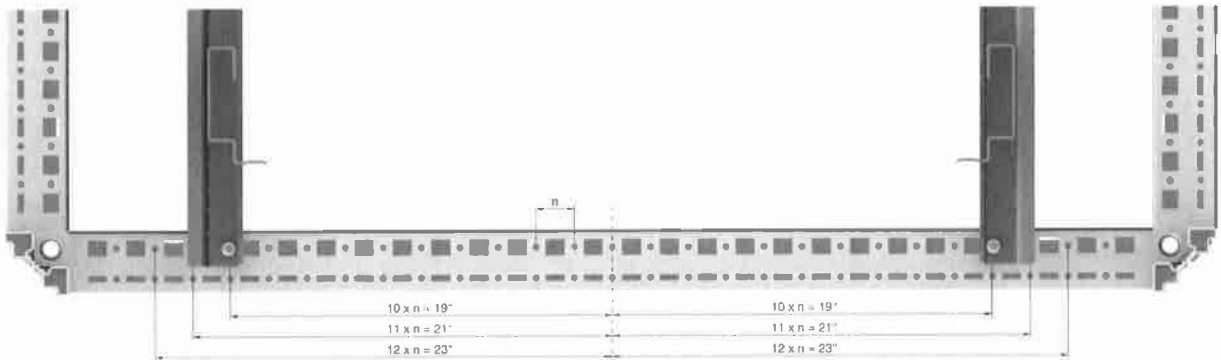
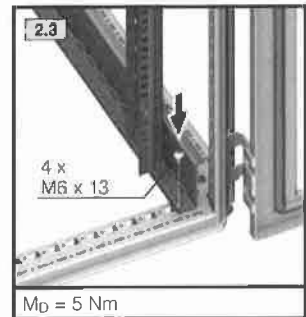
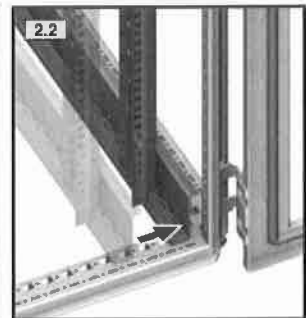
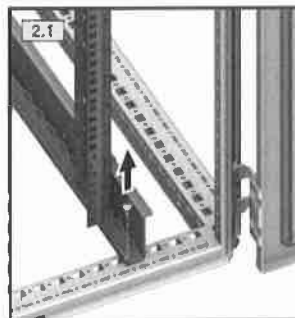
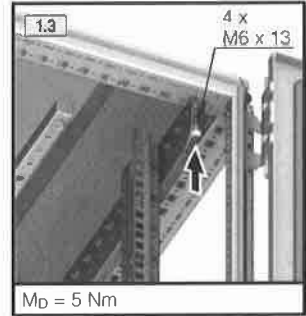
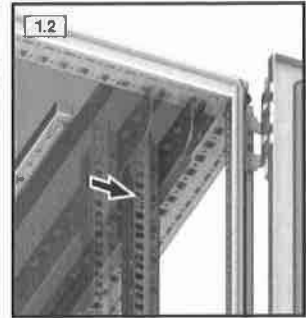
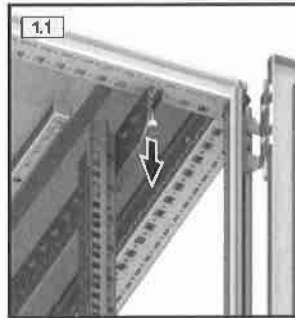
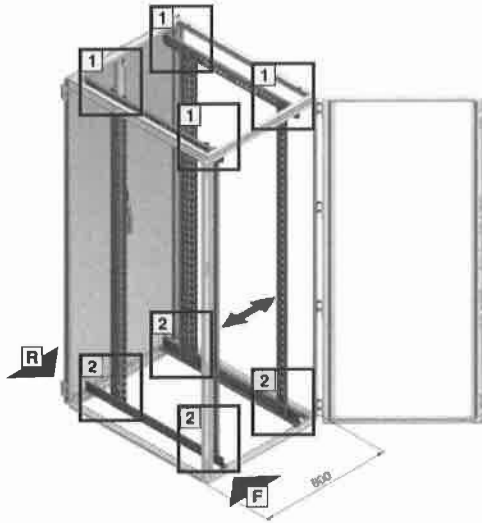






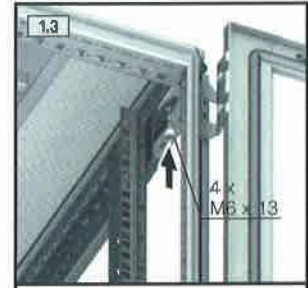
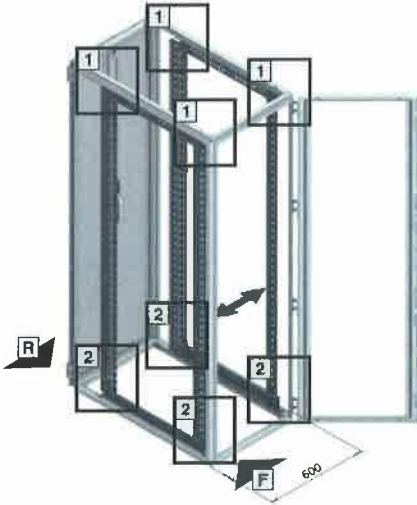


TX25

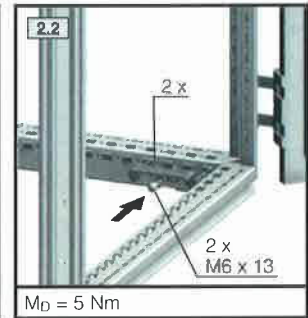




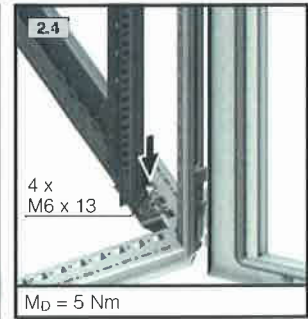
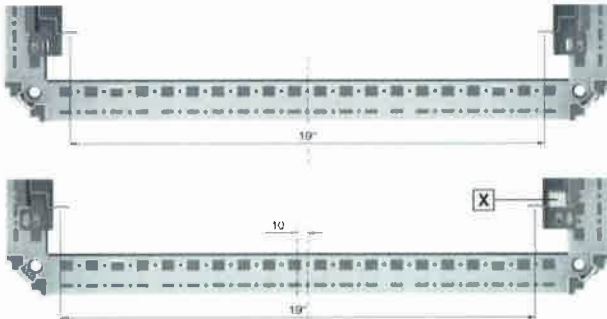
TX25



$M_D = 5 \text{ Nm}$

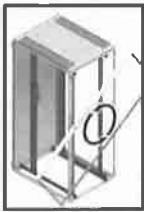


$M_D = 5 \text{ Nm}$



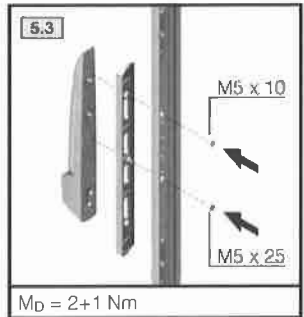
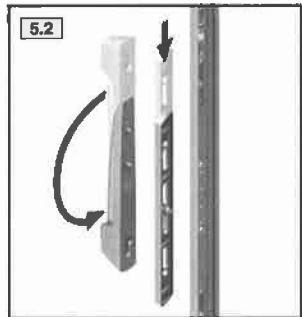
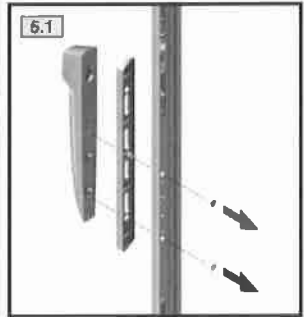
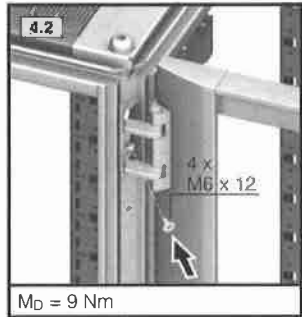
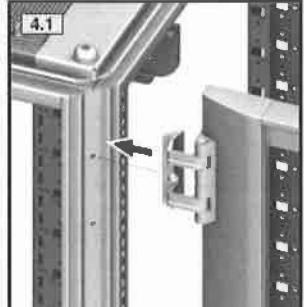
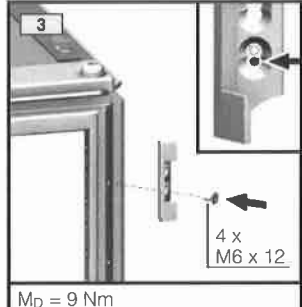
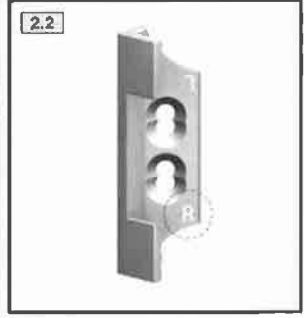
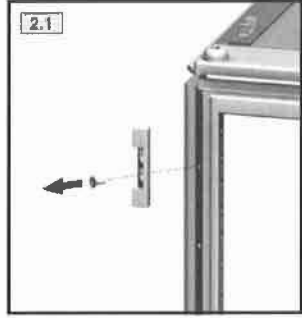
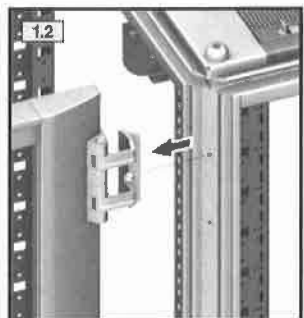
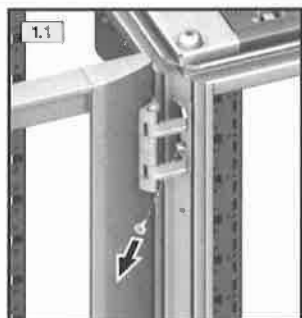
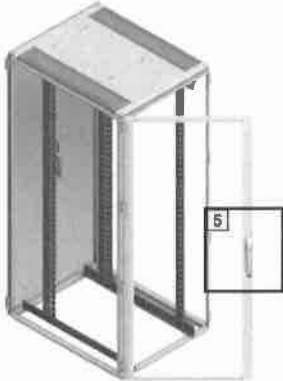
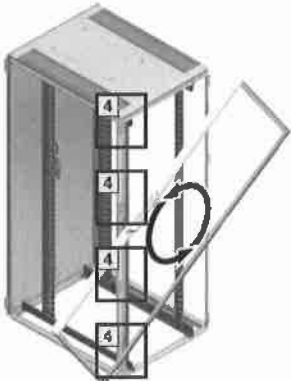
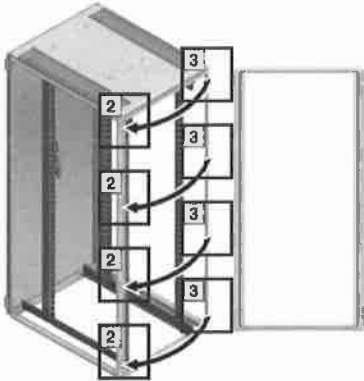
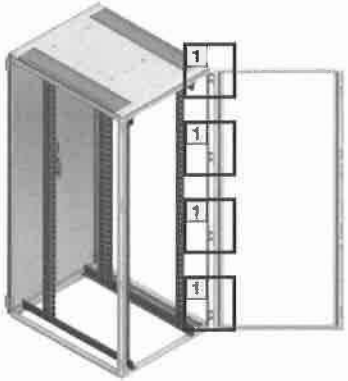
$M_D = 5 \text{ Nm}$

	D	EN	F
X	DRC/RFID Antenne Zum Einbau der DRC/RFID Antenne müssen die 19"-Profile angepasst werden (siehe 19"-Verstellung, Seite 9-12).	DRC/RFID aerial For the installation of the RFID aerial, the 482.6 mm (19") mounting angles must be adapted (see 482.6 mm (19") level adjustment, page 9-12).	Antenne DRC/RFID Pour l'installation de l'antenne RFID, les montants 19" doivent être adaptés (voir réglage des montants 19", pages 9 – 12).



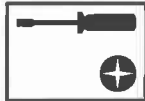
TX30 ★

TX25 ★



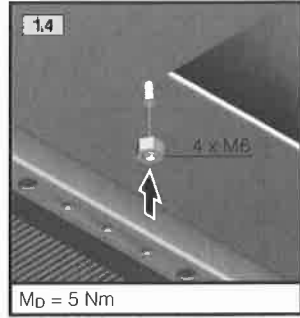
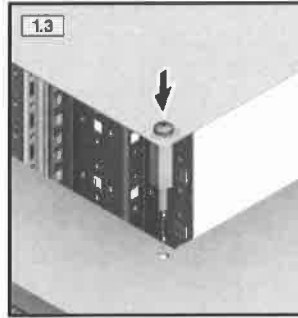
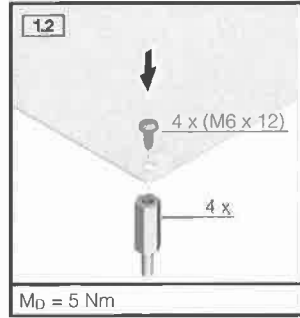
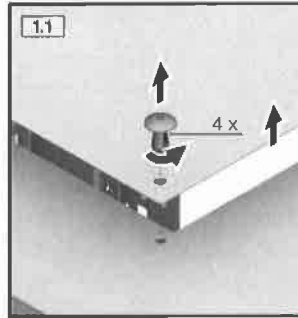


SW10 

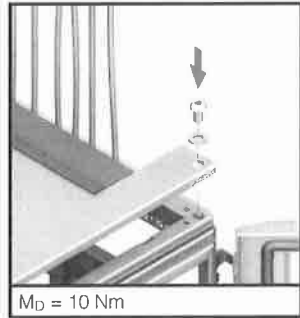
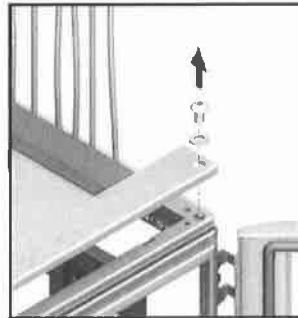
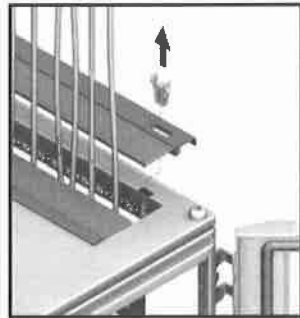
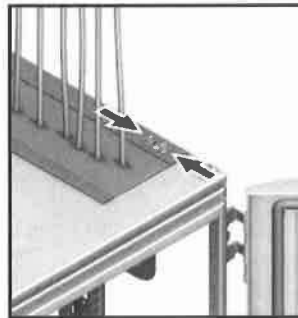
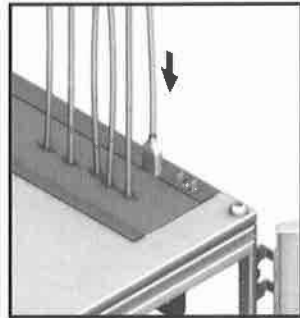


TX25 

TX25 

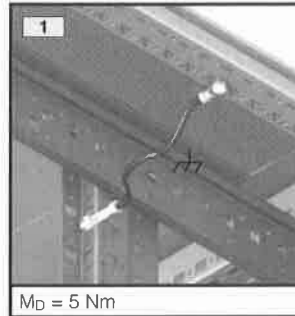
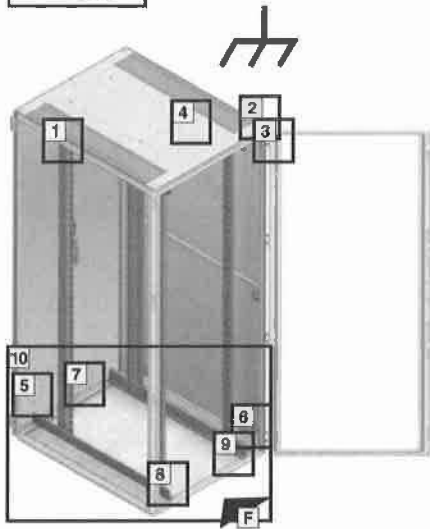


8 

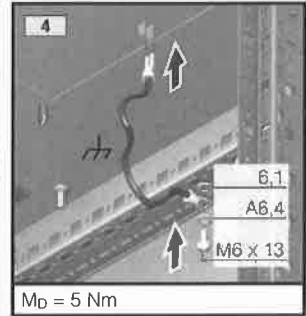
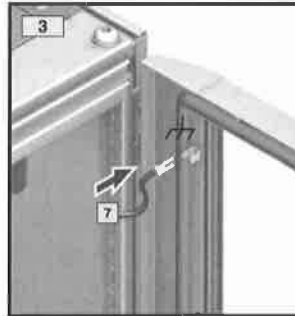
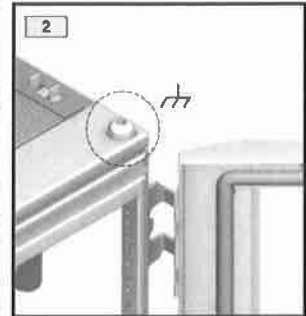




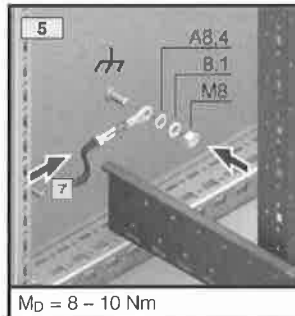
TX25



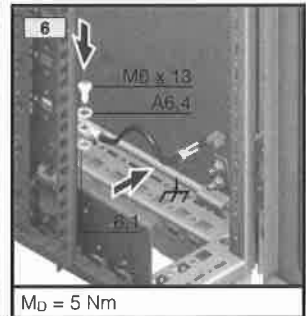
$M_D = 5 \text{ Nm}$



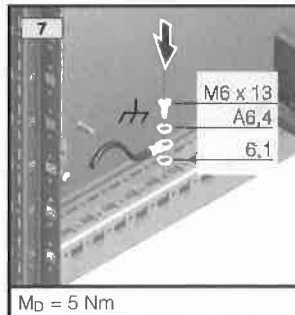
$M_D = 5 \text{ Nm}$



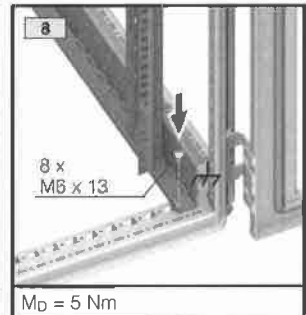
$M_D = 8 - 10 \text{ Nm}$



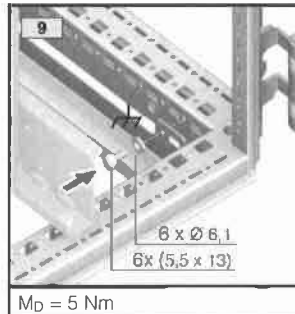
$M_D = 5 \text{ Nm}$



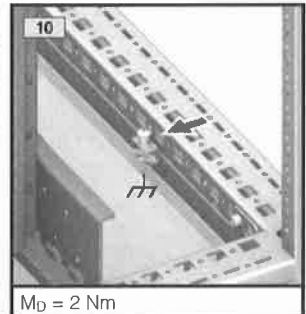
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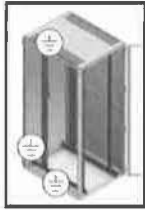
$M_D = 5 \text{ Nm}$



$M_D = 5 \text{ Nm}$

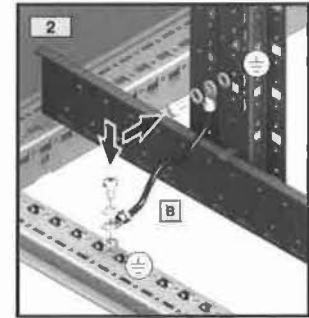
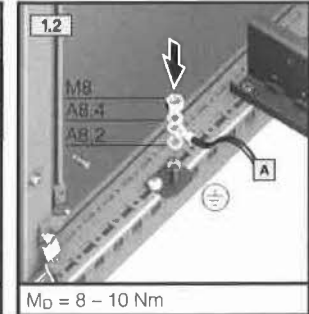
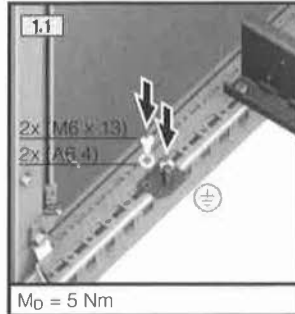
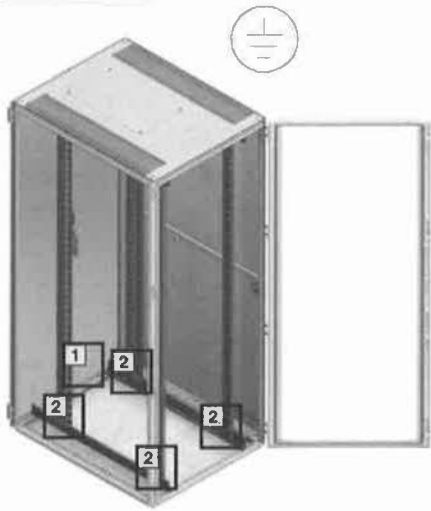


$M_D = 2 \text{ Nm}$



SW13

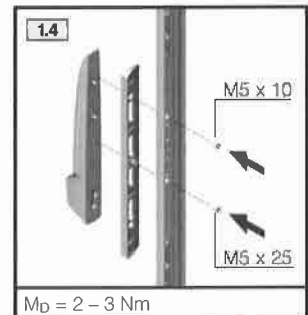
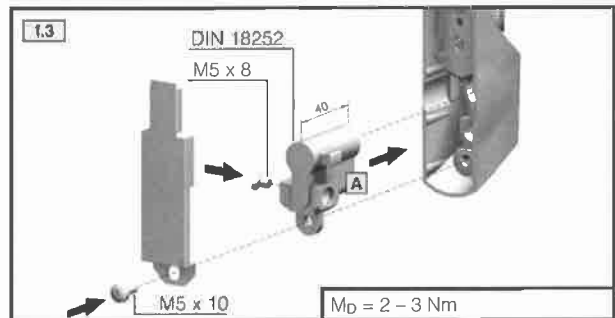
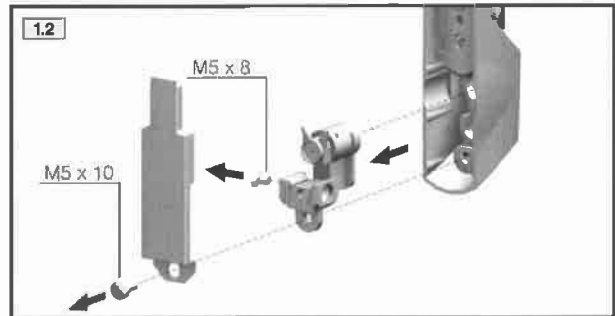
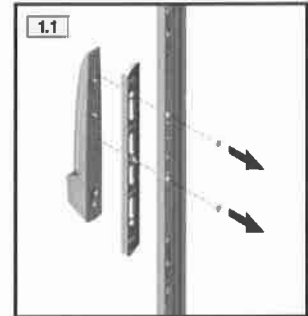
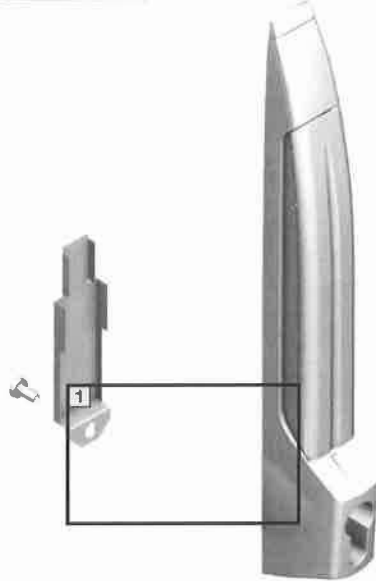
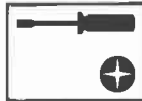
TX25



	D	EN	F
A	Anschluss Erde am Aufstellort	Earthing connection at installation site	Raccordement à la terre du site d'installation
B	Zubehör Erdung, siehe Katalog	Earthing accessories, see Catalogue	Accessoires de mise à la masse, voir le catalogue général



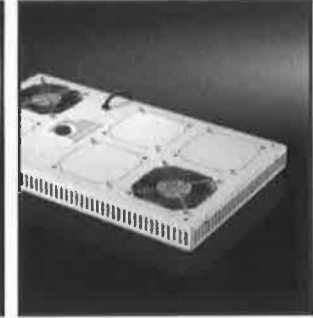
TX25



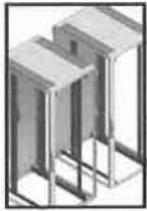
	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence TS
A	1 St.	9785.040



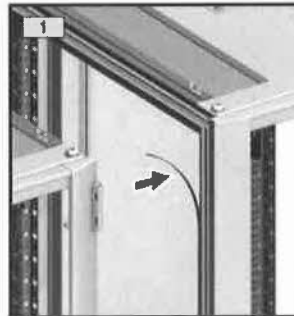
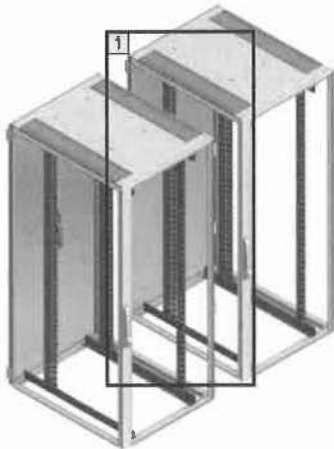
Catalogue



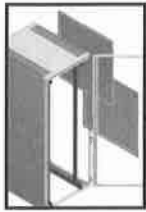
W x D mm	Best.-Nr./Model No./Référence DK
800 x 600, 600 x 1000, 600 x 1200	RAL 7035 5502.010
800 x 800, 800 x 1000, 800 x 1200	5502.020



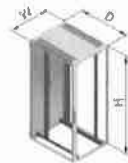
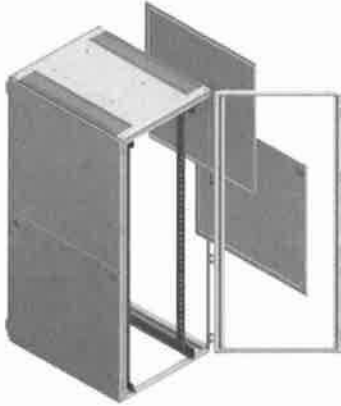
Catalogue



	VE (St./Packs of/UE (p.))	Best.-Nr./Model No./Référence TS
A	6	8800.500
B	6	8800.490



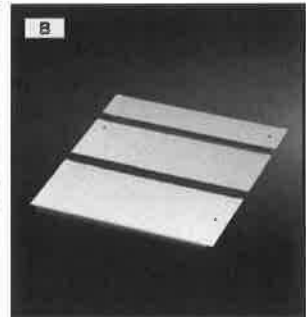
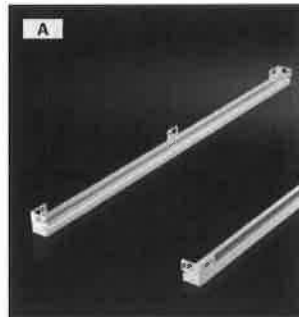
Catalogue 



H mm	D mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence DK
			RAL 7035
1800	800	1	5501.000
2000	600	1	5501.010
2000	800	1	5501.020
2000	1000	1	5501.030
2000	1200	1	5501.040
2200	800	1	5501.050
2200	1000	1	5501.060
2200	1200	1	5501.070



Catalogue 



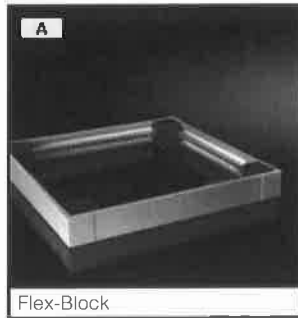
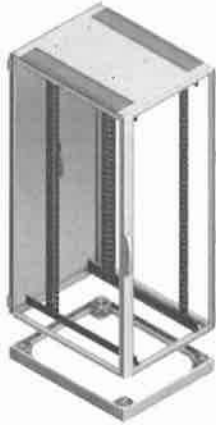
D mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence TS
		RAL 7035
600	2	5501.300
800	2	5501.310
1000	2	5501.320
1200	2	5501.350

W mm	D mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence TS
800	600	1 ¹⁾	5502.510
800	800	1 ¹⁾	5502.530
600	1000	1 ¹⁾	5502.540
800	1000	1 ¹⁾	5502.550
600	1200	1 ¹⁾	5502.560
800	1200	1 ¹⁾	5502.570

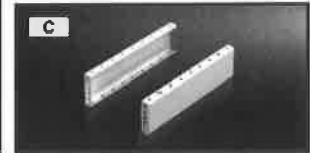
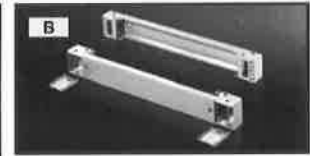
¹⁾ 1 Satz/1 set/1 jeu



Catalogue



Flex-Block



W mm	D mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence	
			geschlossen sealed pleine	belüftet vented ajourée
600	1000	1	8001.060	8001.602
600	1200	1	8001.260	8001.622
800	600	1	8001.680	8001.862
800	800	1	8001.880	8001.882
800	1000	1	8001.800	8001.802
800	1200	1	8001.280	8001.822

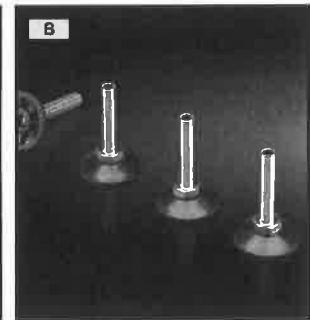
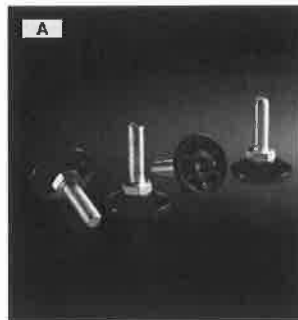
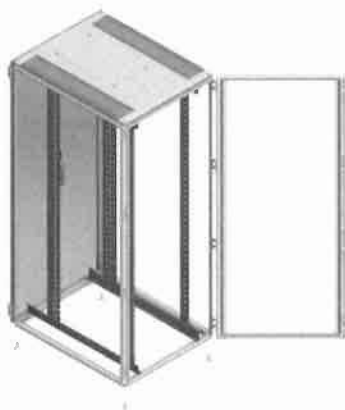
W mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence			
		geschlossen sealed pleine		belüftet vented ajourée	
		Farbe/Colour/Couleur			
		RAL 7035	RAL 9005	RAL 7035	RAL 9005
600	1 ¹⁾	8601.605	8601.602	7825.601	-
800	1 ¹⁾	8601.805	8601.802	7825.801	-

D mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence TS	
		Farbe/Colour/Couleur	
		RAL 7035	RAL 9005
600	1 ¹⁾	8601.065	-
800	1 ¹⁾	8601.085	8601.086
1000	1 ¹⁾	8601.015	8601.010
1200	1 ¹⁾	8601.025	8601.026

¹⁾ 1 Satz/1 set/1 jeu



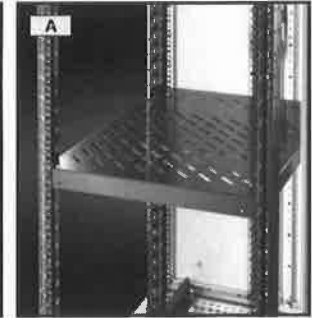
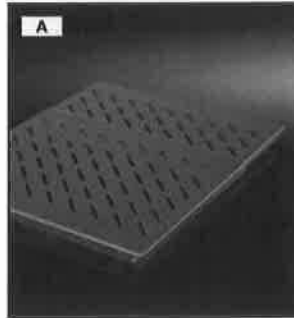
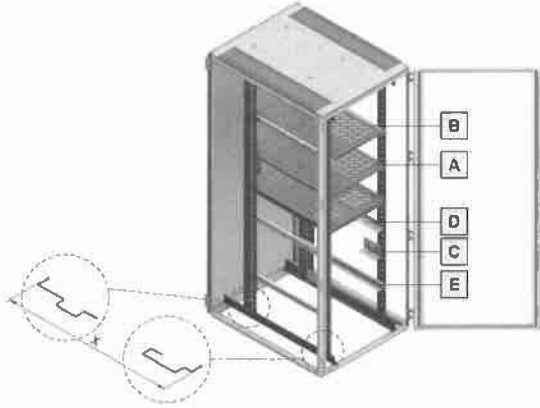
Catalogue



H mm	VE (St.) Packs of UE (p.)	Best.-Nr./Model No./Référence
18 - 43	4	PS 4612.000
18 - 63	4	DK 7493.100

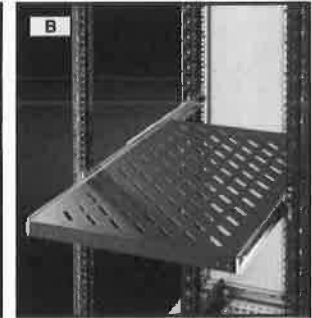
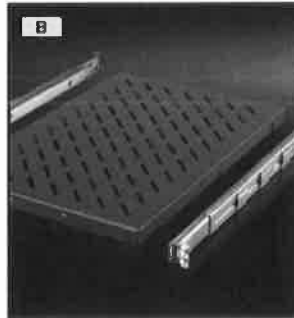


Catalogue



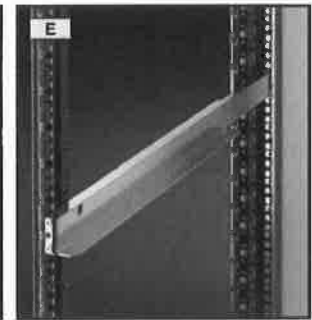
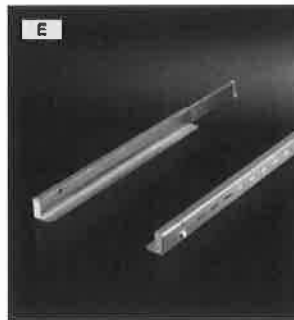
	X mm	F [N]	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
A	400 - 600	↓ 500	1 ¹⁾	5501.655
	600 - 900	↓ 500	1 ¹⁾	5501.665
	400 - 600	↓ 1000	1 ¹⁾	5501.695
	600 - 900	↓ 1000	1 ¹⁾	5501.705

¹⁾ 1 Satz/1 set/1 jeu



	X mm	F [N]	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
B	400 - 600	↓ 500	1 ¹⁾	5501.675
	600 - 900	↓ 500	1 ¹⁾	5501.685
	400 - 600	↓ 1000	1 ¹⁾	5501.715
	600 - 900	↓ 1000	1 ¹⁾	5501.725

¹⁾ 1 Satz/1 set/1 jeu

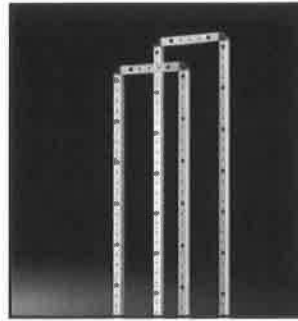
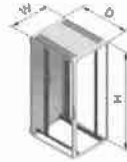


	X mm	D mm	F [N]	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence TS
C	-	150	↓ 300	2	5501.400
	345	275	↓ 800	2	5501.410
	445	375	↓ 800	2	5501.420
D	545	475	↓ 800	2	5501.430
	645	575	↓ 800	2	5501.440
	745	675	↓ 800	2	5501.450

	X mm	F [N]	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence TS DK
E	400 - 600	↓ 800	2	5501.460
	600 - 900	↓ 1500	2	5501.480

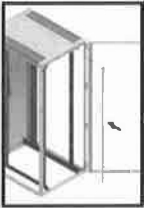


Catalogue

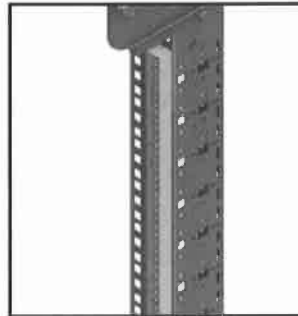
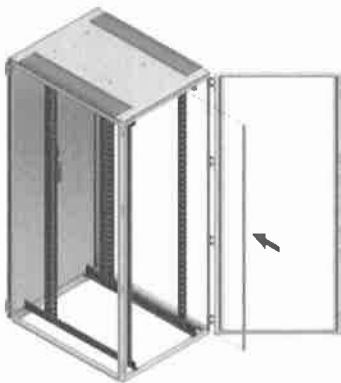


W mm	H mm	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
600	2000	1 ¹⁾	5501.200
800	2000	1 ¹⁾	5501.210

¹⁾ 1 Satz/1 set/1 jeu



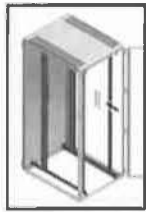
Catalogue



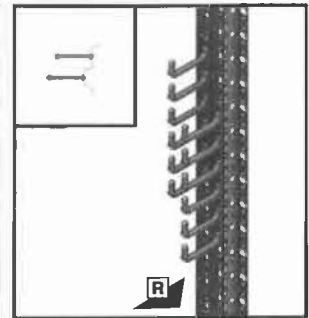
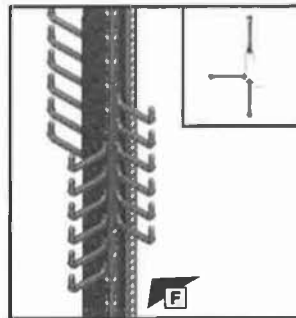
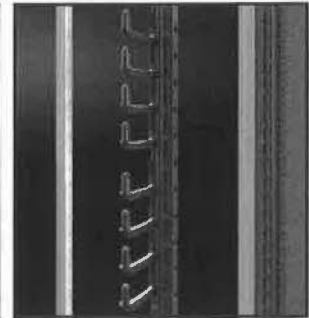
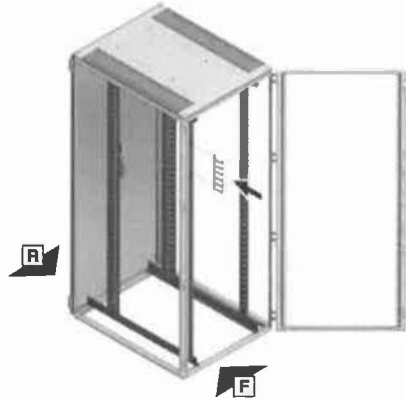
HE/U/U	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
42	1 ¹⁾	7890.242
47	1 ¹⁾	7890.247

¹⁾ 1 Satz/1 set/1 jeu

D	EN	F
Zum Einbau der DRC/ RFID Antenne müssen die 19"-Profile ange- passt werden (siehe 19"-Verstellung, Seite 9-12).	For the installation of the RFID aerial, the 482.6 mm (19") mounting angles must be adapted (see 482.6 mm (19") level adjustment, page 9-12).	Pour l'installation de l'antenne RFID, les montants 19" doivent être adaptés (voir réglage des montants 19", pages 9 – 12)



Catalogue

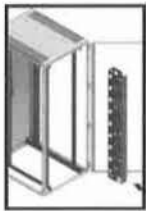


VE (St.)
Packs of
UE (p.)

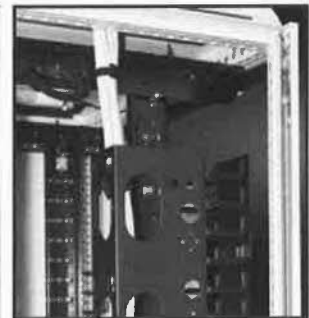
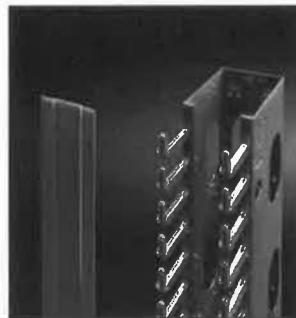
Best.-Nr.
Model No.
Référence
DK

14

5502.115



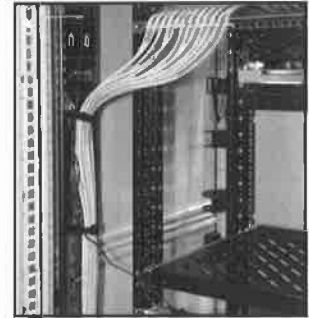
Catalogue



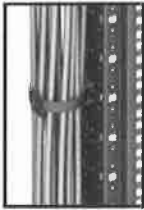
H mm	HE/UJ	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
2000	42	1	5502.105
2200	47	1	5502.145



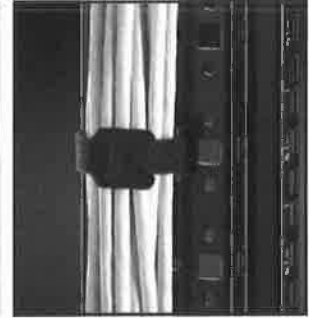
Catalogue 



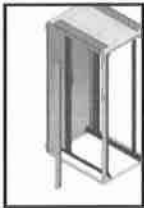
H mm	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
2000 – 2200	1	5502.120



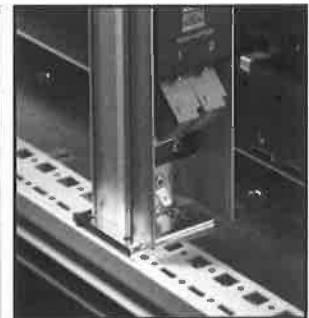
Catalogue 



VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
10	5502.155



Catalogue 

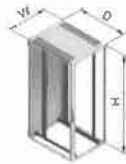


VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
1 ¹⁾	7856.029

¹⁾ 1 Satz/1 set/1 jeu



Catalogue



Luftleitblech
Air baffle plate
Déflecteur d'air

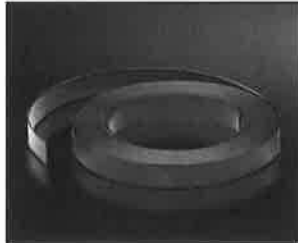


W mm	H mm	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
600	2000	1	5501.805
800	2000	1	5501.815
600	2200	1	5501.825
800	2200	1	5501.835

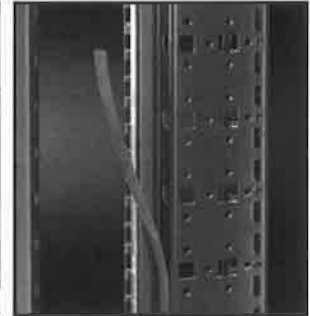
¹⁾ 1 Satz/1 set/1 jeu



Catalogue



Abdeckung, magnetisch
Cover, magnetic
Cache, magnétique



mm	VE (St.) Packs of UE (p.)	Best.-Nr. Model No. Référence DK
15 x 5000	1	5501.895

Notizen/Notes

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- Enclosures
- Power distribution
- Climate control
- IT infrastructure
- Software & services

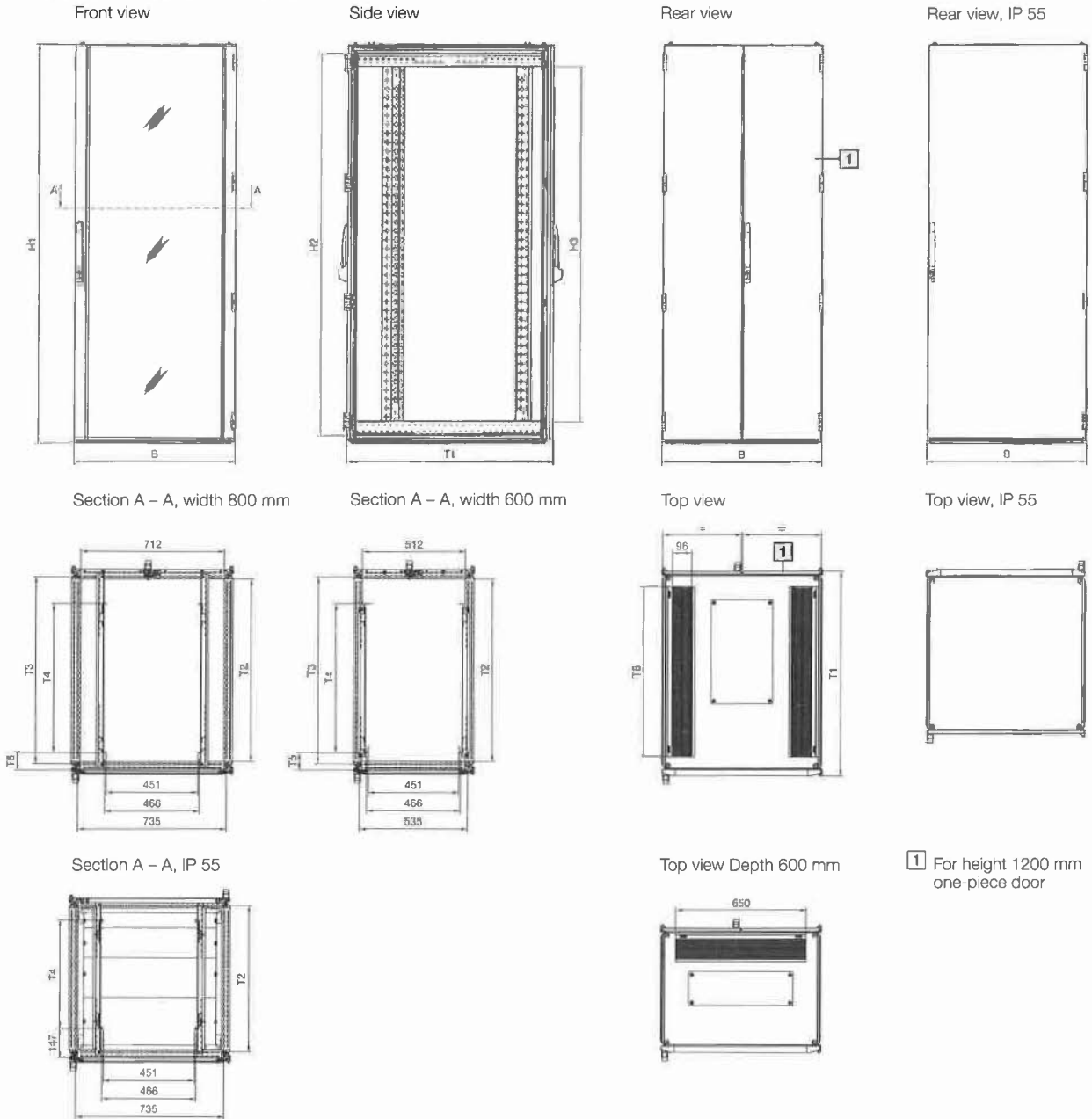
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05.2012/A4624500173



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Network/server enclosures TS IT with glazed door for rack climate control



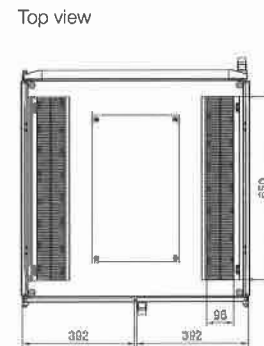
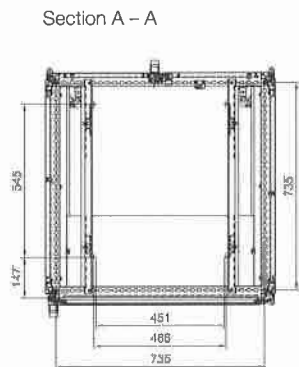
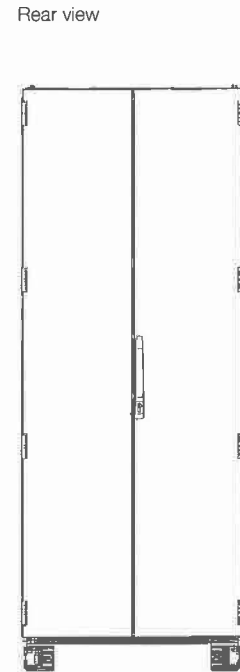
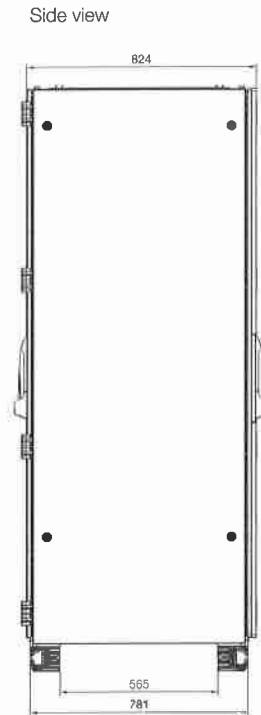
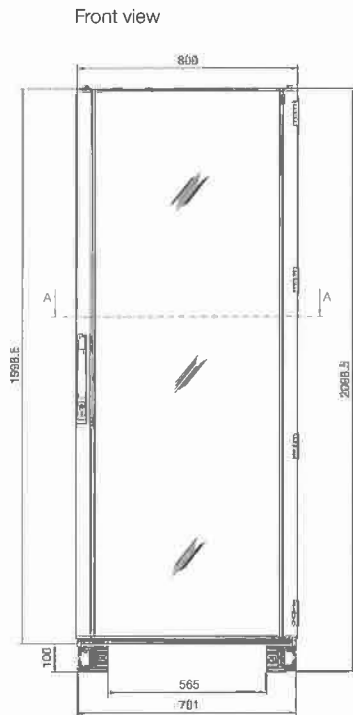
Model No. DK	IP 55	U	Width dimensions mm			Height dimensions mm			Depth dimensions mm				
			B	H1	H2	H3	T1	T2	T3	T4	T5	T6	
5503.120	-	24	797	1198.5	1112	974	824	712	735	545	147	650	
5504.120	-	24	797	1198.5	1112	974	1024	912	935	745	87	850	
5505.120	-	38	797	1798.5	1712	1574	824	712	735	545	147	650	
5506.120	-	42	797	1998.5	1912	1774	624	512	535	445	87	650	
5507.120	5507.130	42	797	1998.5	1912	1774	824	712	735	545	147	650	
5508.120	-	42	597	1998.5	1912	1774	1024	912	935	745	87	850	
5509.120	5509.130	42	797	1998.5	1912	1774	1024	912	935	745	87	850	
5510.120	-	42	597	1998.5	1912	1774	1224	912	935	745	147	1050	
5511.120	-	42	797	1998.5	1912	1774	1224	1112	1135	745	87	1050	
5512.120	-	47	797	2198.5	2112	1974	824	712	735	545	147	650	
-	5514.130	47	797	2198.5	2112	1974	1024	912	935	745	147	850	

Enclosures

IT enclosure systems

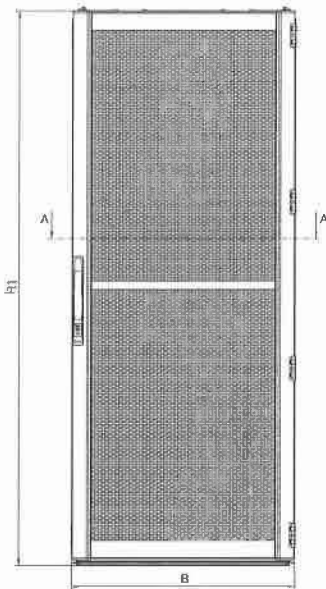
Network/server enclosures TS IT

with glazed door for rack climate control, pre-configured

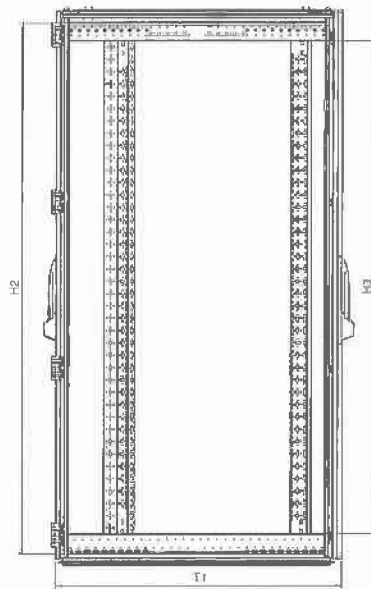


Network/server enclosures TS IT with vented door for room climate control

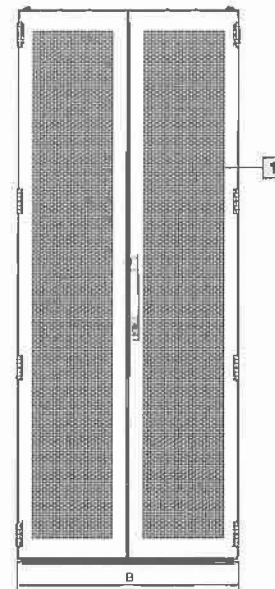
Front view



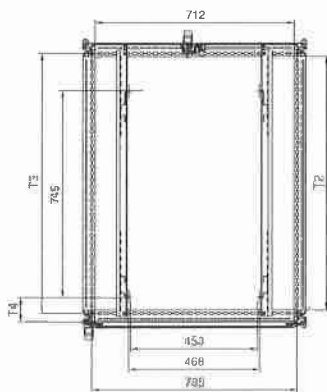
Side view



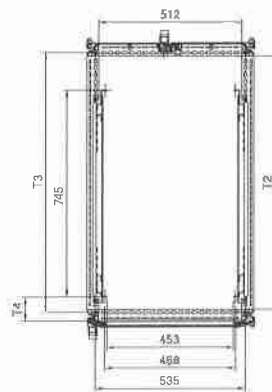
Rear view



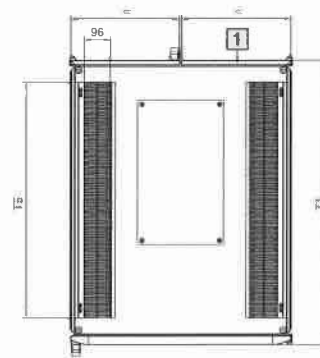
Section A – A
Width 800 mm



Section A – A
Width 600 mm



Top view



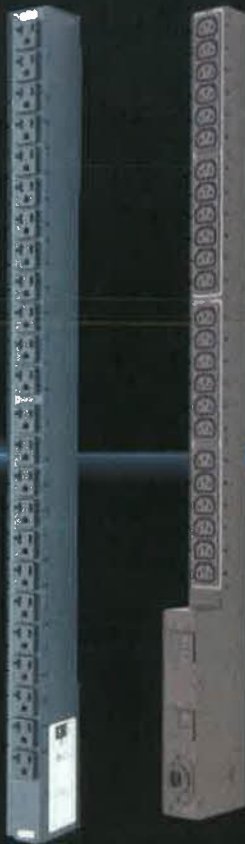
1 For height 1200 mm
one-piece door

Model No. DK	U	Width dimensions mm	Height dimensions mm			Depth dimensions mm				
		B	H1	H2	H3	T1	T2	T3	T4	T5
5504.110	24	797	1198.5	1112	974	1024	912	935	87	850
5508.110	42	597	1998.5	1912	1774	1024	912	935	87	850
5509.110	42	797	1998.5	1912	1774	1024	912	935	87	850
5510.110	42	597	1998.5	1912	1774	1224	1112	1135	147	1050
5511.110	42	797	1998.5	1912	1774	1224	1112	1135	147	1050
5513.110	47	597	2198.5	2112	1974	1024	912	935	87	850
5514.110	47	797	2198.5	2112	1974	1024	912	935	87	850
5515.110	47	597	2198.5	2112	1974	1224	1112	1135	147	1050
5516.110	47	797	2198.5	2112	1974	1224	1112	1135	147	1050

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Power Distribution Units (PDU)



Blade servers and high density computing power requirements continue to increase, creating heat expansion and more challenges for managing the IT environment. To maintain a competitive advantage, data center managers need SNMP-based solutions that monitor, track and manage servers, IT equipment and the equipment cabinet infrastructure that houses them. PDU power distribution units may monitor, track, and manage every aspect of data center activity and provide efficient solutions for critical elements including data center cooling, security and server management. Rittal's Basic PDU products provide reliable power distribution for equipment racks and other data center applications. User-friendly features include a combination of white and black outlets to easily distinguish between each branch circuit. Included here are the most popular sizes and configurations.

- 120V and 208V power options
- 20 or 30 amp options on basic units
- UL-list fuses and circuit breakers
- Metered models monitor from 2,000 to 6,000 watt components
- Smart PDU models combine distribution with remote monitoring for 4,000 to 20,000 watts
- Smart units available in 20, 30, 50 and 60 amp versions
- Receptacle configurations from 6 to 48 outlets
- PIPS – Per Inlet Power Sensing – units monitor current, voltage, power and other vital requirements
- POPS – Per Outlet Power Sensing – units provide data on such things as load, voltage and power (kW)
- Switched PDU models offer complete “lights out” remote management
- Accessories include temperature and humidity sensors

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP

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Basic PDU

Basic PDU products provide reliable power distribution for equipment racks and other data center applications by offering different input and output connections to distribute 110V or 208V power and 20 or 30 Amp power input feed.

Criteria for Branch Circuit Protection is met by the use of UL-listed fuses or breakers, with 30 Amp models featuring a combination of white and black outlets to easily distinguish between each branch circuit.

Voltage	Amps	Receptacles	No. of receptacles	Plug	Over current protection	L x W x H Inches (mm)	Part No.
120V	20	5-20	12	C20	-	1.75 x 17 x 2.25 (44 x 482 x 57)	9970.843 ¹⁾
120V	20	5-20	24	C20	-	31.25 x 1.75 x 2.25 (794 x 44 x 57)	9970.847 ¹⁾
120V	30	5-20	12	L5-30	-	1.75 x 17 x 2.25 (44 x 482 x 57)	9970.844
120V	30	5-20	24	L5-30	-	31.25 x 1.75 x 2.25 (794 x 44 x 57)	9970.848
208V	20	C13	12	C20	-	1.75 x 17 x 2.25 (44 x 482 x 57)	9970.845 ¹⁾
208V	20	C13	24	C20	Breaker	34 x 1.75 x 3.5 (864 x 44 x 89)	9978.440 ¹⁾
208V	30	C13	12	L6-30	-	1.75 x 17 x 2.25 (44 x 482 x 57)	9970.846
208V	30	C13	24	L6-30	Breaker	34 x 1.75 x 3.5 (864 x 44 x 89)	9978.441

1) Order power cord separately

Metered PDU

Metered PDU products provide reliable power distribution for all the devices in your equipment cabinet, from 2,000 to 6,000 Watts.

Metered units are available in 20 or 30 Amps, 120 or 208 Volts single-phase. Local input current monitoring allows the installation engineer to verify the combined load on the circuit.

Voltage	Amps	Receptacles	No. of receptacles	Plug	Over current protection	L x W x H Inches (mm)	Part No.
120V	20	5-20	10	C20	-	1.75 x 17 x 5 (44 x 432 x 127)	9963.678 ¹⁾
120V	20	5-20	12	C20	Fuse	31.25 x 1.75 x 2.25 (794 x 44 x 57)	9963.670 ¹⁾
120V	20	5-20	24	C20	Fuse	54 x 1.75 x 2.25 (1372 x 44 x 57)	9963.674 ¹⁾
120V	30	5-20	10	L5-30	-	1.75 x 17 x 5 (44 x 432 x 127)	9963.679
120V	30	5-20	12	L5-30	Fuse	31.25 x 1.75 x 2.25 (794 x 44 x 57)	9963.671
120V	30	5-20	24	L5-30	Fuse	54 x 1.75 x 2.25 (1372 x 44 x 57)	9963.675
208V	20	C13	12	C20	-	1.75 x 17 x 5 (44 x 432 x 127)	9963.680 ¹⁾
208V	20	C13	12	C20	Fuse	31.25 x 1.75 x 2.25 (794 x 44 x 57)	9963.672 ¹⁾
208V	20	C13, C19	24,6	C20	Breaker	60.0 x 1.75 x 2.25 (1524 x 44 x 57)	9963.676 ¹⁾
208V	30	C13	12	L6-30	-	1.75 x 17 x 5 (44 x 432 x 127)	9963.681
208V	30	C13	24	L6-30	-	1.75 x 17 x 5 (44 x 432 x 127)	9978.444
208V	30	C13	12	L6-30	Fuse	31.25 x 1.75 x 2.25 (794 x 44 x 57)	9963.673
208V	30	C13, C19	24,6	L6-30	Breaker	60.0 x 1.75 x 2.25 (1524 x 44 x 57)	9972.960

1) Order power cord separately

Smart PDU

Smart PDU products provide reliable power distribution combined with remote power and environmental monitoring for 4,000 to 20,000 Watts. Smart units are available in 20, 30, 50, or 60 Amps, 120 or 208 Volts single-phase, 208 Volts three-phase. Use the network interface to view power, temperature and humidity levels via a Web browser, or receive SNMP-based alarms when conditions exceed defined thresholds.

PIPS – Per Inlet Power Sensing – PDUs provide power monitoring per inlet/infeed and includes current, voltage, power, apparent power, crest factor, reactance, power factor and accumulated energy. This information replaces branch circuit monitoring devices typically installed in the power distribution panel or remote power panel (RPP) with higher accuracy and lower cost monitoring of each circuit attached to the PDU.

Voltage	Amps	Receptacles	No. of receptacles	Plug	Overcurrent protection	L x W x H Inches (mm)	Master / Expansion	Part No.
208V	20	C13, C19	24, 6	C20	Breaker	60 x 1.75 x 2.25 (1525 x 44 x 57)	Master	9978.446 ^{1) 2)}
208V	20	C13, C19	24, 6	C20	Breaker	60 x 1.75 x 2.25 (1525 x 44 x 57)	Expansion	9978.445 ^{1) 2)}

1) Order power cord separately 2) Includes PIPS

Smart PDU (continued)

Voltage	Amps	Receptacles	No. of receptacles	Plug	Overcurrent protection	L x W x H inches (mm)	Master / Expansion	Part No.
208V	30	C13, C19	24, 6	L6-30	Breaker	60 x 1.75 x 2.25 (1525 x 44 x 57)	Master	9972.961²⁾
208V	30	C13, C19	24, 6	L6-30	Breaker	60 x 1.75 x 2.25 (1525 x 44 x 57)	Expansion	9972.962²⁾
208 3P Delta	30	C13	24	L15-30	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Master	9971.104
208 3P Delta	30	C13	24	L15-30	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Expansion	9971.105
208 3P Delta	50	C13, C19	12, 12	Cord set	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9978.450
208 3P Delta	50	C13, C19	12, 12	Cord set	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9978.449
208V 3P Delta	50	L6-30	6	Cord set	Breaker	3.5 x 17 x 10 (89 x 432 x 254)	Master	9978.452
208V 3P Delta	50	L6-30	6	Cord set	Breaker	3.5 x 17 x 10 (89 x 432 x 254)	Expansion	9978.451
208V 3P Delta	60	L6-30	6	Cord set	Breaker	3.5 x 17 x 10 (89 x 432 x 254)	Master	9978.459
208V 3P Delta	60	L6-30	6	Cord set	Breaker	3.5 x 17 x 10 (89 x 432 x 254)	Expansion	9978.457
208 3P Delta	60	C13, C19	12, 12	Cord set	Breaker	69 x 1.75 x 3.5 (1524 x 44 x 89)	Master	9978.455
208 3P Delta	60	C13, C19	12, 12	Cord set	Breaker	69 x 1.75 x 3.5 (1524 x 44 x 89)	Expansion	9978.453
208 3P Wye	30	C13	24	L21-30	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Master	9971.106
208 3P Wye	30	C13	24	L21-30	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Expansion	9971.107
208 3P Wye	60	C13, C19	12, 12	Cord set	Breaker	69 x 1.75 x 3.5 (1524 x 44 x 89)	Master	9978.456
208 3P Wye	60	C13, C19	12, 12	Cord set	Breaker	69 x 1.75 x 3.5 (1524 x 44 x 89)	Expansion	9978.454
208 3P Wye	60	L6-30	6	Cord set	Breaker	3.5 x 17 x 10 (89 x 432 x 254)	Master	9978.460
208 3P Wye	60	L6-30	6	Cord set	Breaker	3.5 x 17 x 10 (89 x 432 x 254)	Expansion	9978.458
415	20	C13	24	IEC Red 6Hr 3P+N+G	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Master	9978.462
415	20	C13	24	IEC Red 6Hr 3P+N+G	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Expansion	9978.461
415	30	C13	24	L22-30	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Master	9978.464
415	30	C13	24	L22-30	Fuse	69 x 1.75 x 2.25 (1753 x 44 x 57)	Expansion	9978.463

2) Includes PIPS

Switched PDU

Switched PDU products include remote monitoring and management, plus reboot commands for connected servers and network equipment; providing complete lights-out management of a data center or remote branch office. Features include the ability to reboot a single or dual-power server with one command, receive SNMP alerts and the ability to assign specific access rights to designated outlets or groups. Switched PDU products can provide power requirements for high-amperage, high-voltage branch circuit protection and SSL & SSH security.

PIPS – Per Inlet Power Sensing – provides power monitoring per inlet/infeed including current, voltage, power, apparent power and accumulated energy, replacing branch circuit monitoring with higher accuracy and lower cost monitoring of each circuit. POPS – Per Outlet Power Sensing – provides information per individual outlet, including current load, voltage and power. Now power information is available per device, groups of devices, individual PDU or an entire cabinet.

Voltage	Amps	Receptacles	No. of receptacles	Plug	Overcurrent protection	L x W x H inches (mm)	Master / Expansion	Part No.
208-240V	30	C13	8	L6-30	Fuse	17.2 x 1.75 x 7.1 (437 x 44 x 181)	Master	9978.472
208-240V	30	C13	8	L6-30	Fuse	17.2 x 1.75 x 7.1 (437 x 44 x 181)	Expansion	9978.471
208-240V	30	C13	16	L6-30	Fuse	69 x 1.75x 2.25 (1753 x 44 x 57)	Master	9978.468²⁾
208-240V	30	C13	16	L6-30	Fuse	69 x 1.75x 2.25 (1753 x 44 x 57)	Expansion	9978.465²⁾
208-240V	30	C13	24	L6-30	Breaker	69 x 1.75x 2.25 (1753 x 44 x 57)	Master	9978.469²⁾
208-240V	30	C13	24	L6-30	Breaker	69 x 1.75x 2.25 (1753 x 44 x 57)	Expansion	9978.466²⁾
208-240V	30	C13, C19	18, 6	L6-30	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9978.470³⁾

2) Includes PIPS 3)Includes PIPS/POPS

Switched PDU (continued)

Voltage	Amps	Receptacles	No. of receptacles	Plug	Overcurrent protection	L x W x H Inches (mm)	Master / Expansion	Part No.
208-240V	30	C13, C19	18, 6	L6-30	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9978.467 ²⁾
208V 3P Delta	20	C13	24	L15-20	Fuse	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9970.773
208V 3P Delta	20	C13	24	L15-20	Fuse	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9970.774
208V 3P Delta	30	C13	24	L15-30	Fuse	69 x 3.5 x 3.5 (1753 x 89 x 89)	Master	9970.777
208V 3P Delta	30	C13	24	L15-30	Fuse	69 x 3.5 x 3.5 (1753 x 89 x 89)	Expansion	9970.778
208V 3P Delta	30	C13, C19	18, 6	L15-30	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9978.475 ³⁾
208V 3P Delta	30	C13, C19	18, 6	L15-30	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9978.473 ³⁾
208V 3P Delta	50	C13, C19	12, 12	CS8365C	Breaker	69 x 3.5 x 3.5 (1753 x 89 x 89)	Master	9978.479
208V 3P Delta	50	C13, C19	12, 12	CS8365C	Breaker	69 x 3.5 x 3.5 (1753 x 89 x 89)	Expansion	9978.477
208V 3P Delta	50	C13	48	Cord Set	Breaker	69 x 1.75 x 2.25 (1753 x 44 x 57)	Master	9978.480
208V 3P Delta	50	C13	48	Cord Set	Breaker	69 x 1.75 x 2.25 (1753 x 44 x 57)	Expansion	9978.478
208V 3P Delta	60	C13, C19	12, 12	IEC Blue, 9hr 3P+G	Breaker	69 x 1.75 x 2.25 (1753 x 44 x 57)	Master	9978.487
208V 3P Delta	60	C13, C19	12, 12	IEC Blue, 9hr 3P+G	Breaker	69 x 1.75 x 2.25 (1753 x 44 x 57)	Expansion	9978.481
208V 3P Delta	60	C13	48	Cord Set	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9978.489
208V 3P Delta	60	C13	48	Cord Set	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9978.483
208V 3P Wye	20	C13	24	L21-20	Fuse	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9970.771
208V 3P Wye	20	C13	24	L21-20	Fuse	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9970.772
208V 3P Wye	30	C13	24	L21-30	Fuse	69 x 3.5 x 3.5 (1753 x 89 x 89)	Master	9970.775
208V 3P Wye	30	C13	24	L21-30	Fuse	69 x 3.5 x 3.5 (1753 x 89 x 89)	Expansion	9970.776
208V 3P Wye	30	C13, C19	18, 6	L21-30	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9978.476 ³⁾
208V 3P Wye	30	C13, C19	18, 6	L21-30	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9978.474 ³⁾
208V 3P Wye	60	C13, C19	12, 12	IEC, Blue 9hr, 3P+N+G	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Master	9978.488
208V 3P Wye	60	C13, C19	12, 12	IEC, Blue 9hr, 3P+N+G	Breaker	69 x 1.75 x 3.5 (1753 x 44 x 89)	Expansion	9978.482
208V 3P Wye	60	C13	48	Cord Set	Breaker	69 x 3.5 x 3.5 (1753 x 89 x 89)	Master	9978.490
208V 3P Wye	60	C13	48	Cord Set	Breaker	69 x 3.5 x 3.5 (1753 x 89 x 89)	Expansion	9978.486

2) Includes PIPS 3) Includes PIPS/POPS

Accessories

Temperature/Humidity Sensor	Description	Cable length Inches (mm)	Packs of	Part No.
■ Plugs into a Smart/Switched Master PDU	Cord with temperature and humidity probe	118 (3000)	1	9970.815
Power Cord	Receptacles	Length Inches (mm)	Packs of	Part No.
■ For 20 Amp PDUs	C19/L6-20P	117 (4500)	1	9970.811
	C19/L5-20P	98 (2500)	1	9970.812
	C19/S-20P	98 (2500)	1	9970.813
	C19/S-15P	118 (3000)	1	9970.814
Button Mount Bracket	Description		Packs of	Part No.
■ Enables tool-less installation of PDUs ■ Allow 0 U mounting of PDUs ■ Black, E-coated	0 U, dual recessed button mount bracket		2	9963.800

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