

# Rittal – The System.

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**Modulare Frontgestaltung VX25**

**Modular front design VX25**

**Aménagement modulaire  
de la face avant VX25**

**Teiltüren/Partial doors/Portes partielles**

**9682.104 – 9682.198**

**Frontblenden/Front trim panels/Bandeaux de finition**

**9682.310 – 9682.358**

**Montageanleitung  
Assembly instructions  
Notice de montage**

ENCLOSURES

POWER DISTRIBUTION

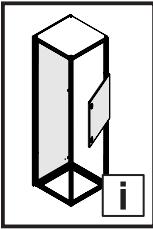
CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP





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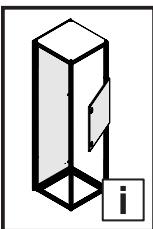
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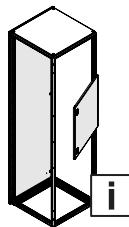
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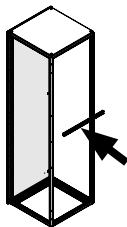


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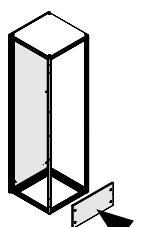
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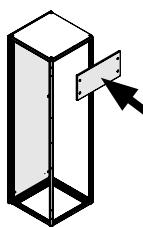
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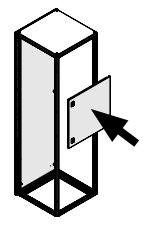
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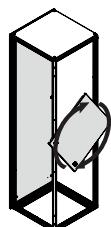
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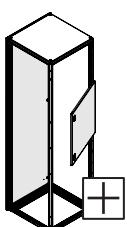
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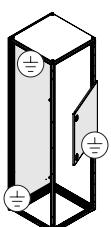
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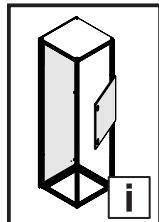
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## 1. Lieferumfang

### 1. Scope of supply

### 1. Composition de la livraison

Teiltüren/Partial doors/Portes partielles

	Best.-Nr. Model No. Référence				
	9682.141 9682.142 9682.143 9682.161 9682.162 9682.163 9682.181 9682.182 9682.183	9682.104 9682.106 9682.108 9682.124 9682.126 9682.128 9682.144 9682.146 9682.148	9682.164 9682.166 9682.167 9682.168 9682.169 9682.184 9682.186 9682.187 9682.188	9682.140 9682.152 9682.154 9682.160 9682.172 9682.174 9682.180 9682.192 9682.194	9682.150 9682.156 9682.158 9682.170 9682.176 9682.178 9682.190 9682.196 9682.198
Lieferumfang Scope of supply Composition de la livraison					

Gehäusescharnier/Hinge/Charnières

		2 x	2 x	3 x	4 x
	M5 x 12	4 x	4 x	6 x	8 x
	10 x 4 x 35 mm	4 x	4 x	6 x	8 x
		2 x	2 x	3 x	4 x

Erdung/Earthing/Mise à la masse

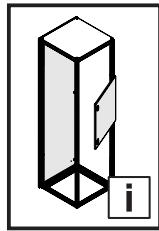
		1 x	1 x	2 x	2 x
	A 8,4	1 x	1 x	2 x	2 x
	M8	1 x	1 x	2 x	2 x
	Ø 8,2 x 16	1 x	1 x	2 x	2 x

Verschlusswinkel/locking parts/Serrure

		1 x	2 x	3 x	4 x
	M5 x 12	2 x	4 x	6 x	8 x
		1 x	2 x	3 x	4 x
		1 x	2 x	3 x	4 x
		1 x	2 x	3 x	4 x
		1 x	2 x	3 x	4 x
	A 5,3	1 x	2 x	3 x	4 x
	M5 x 12	1 x	2 x	3 x	4 x

Trennsteg/Cross member/Traverse de séparation

		1 x	1 x	1 x	1 x
		2 x	2 x	2 x	2 x
	M5 x 12	2 x	2 x	2 x	2 x



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## 1. Lieferumfang 1. Scope of supply 1. Composition de la livraison

Frontblenden/Front trim panels/Bandeaux de finition

	Best.-Nr. Modell-Nr. Référence							
	9682.314 9682.316 9682.318	9682.310 9682.312	9682.324 9682.326 9682.328	9682.320 9682.322	9682.334 9682.336 9682.338	9682.330 9682.332	9682.344 9682.346 9682.348 9682.354 9682.356 9682.358	9682.340 9682.342 9682.350 9682.352
Lieferumfang Scope of supply Composition de la livraison	H 100 mm		H 300 mm		H 100 mm		H 300 mm	

Befestigungswinkel/Mounting bracket/Equerres de fixation

		2 x	3 x	4 x	5 x	2 x	3 x	4 x	5 x
	Ø 23,6 (TX30)	2 x	3 x	4 x	5 x	2 x	3 x	4 x	5 x
	M6 x 20	2 x	3 x	4 x	5 x	2 x	3 x	4 x	5 x
	M6	2 x	3 x	4 x	5 x	2 x	3 x	4 x	5 x
	M6 x 16	2 x	3 x	4 x	5 x	2 x	3 x	4 x	5 x

Trennsteg/Cross member/Traverse de séparation

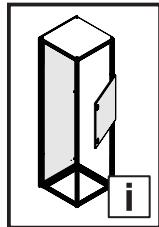
		-	-	-	-	1 x	1 x	1 x	1 x
		-	-	-	-	2 x	2 x	2 x	2 x
	M5 x 12	-	-	-	-	2 x	2 x	2 x	2 x

Erdung/Earthing/Mise à la masse

		1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x
	A 8,4	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x
	M8	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x
	Ø 8,2 x 16	1 x	1 x	1 x	1 x	1 x	1 x	1 x	1 x

Montageanleitung/Assembly instructions/Notice de montage

		-	-	-	-	1 x	1 x	1 x	1 x
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## 2. Hinweise zur Dokumentation

## 2. Notes on documentation

## 2. Remarques relatives à la documentation

D

Die **Montageanleitung** richtet sich an alle Personen, die über eine entsprechende Fachausbildung verfügen, um Schaltschränke normgerecht mit elektrischen, elektronischen, mechanischen und pneumatischen Betriebsmitteln auszurüsten bzw. zu montieren und betriebsfertig anzuschließen.

Die **Bedienungsanleitung** richtet sich an das Bedienpersonal und entsprechend ausgebildete Fachkräfte für elektronische und mechanische Instandhaltung.

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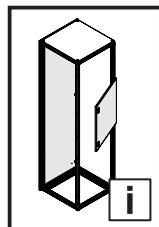
The **assembly instructions** are aimed at personnel who have completed corresponding technical training and are thus qualified to set up enclosures with electrical, electronic, mechanical and pneumatic equipment in accordance with applicable standards and to erect, assemble and connect such enclosures at the place of use.

The **operating instructions** are aimed at operating personnel and correspondingly trained specialists for electrical and mechanical maintenance.

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La **notice de montage** s'adresse à toutes les personnes qui possèdent la formation technique suffisante pour le montage, l'installation sur site et le raccordement d'armoires électriques selon les normes électriques, électroniques, mécaniques et pneumatiques en vigueur.

La **notice d'utilisation** s'adresse aux opérateurs et aux spécialistes formés pour la maintenance électrotechnique et mécanique.



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## 3. Montage und Bedienung

## 3. Assembly and operation

## 3. Montage et utilisation

D

Beachten Sie die nachfolgenden Allgemeinen Hinweise bei Montage und Bedienung:



**Gefahr!**  
**Unmittelbare Gefahr für Leib und Leben.**

- Achten Sie beim Schließen der Tür auf Ihre Hände und Finger, damit es nicht zu Quetschverletzungen kommt.

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Observe the following general notes on assembly and operation:



**Danger!**  
**Immediate danger to life and limb.**

- Exercise caution when closing the door, so as to avoid crushing injuries to hands or fingers.

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Respecter les consignes générales suivantes lors du montage et de l'utilisation :



**Danger !**  
**Risque de blessure grave, voire mortelle.**

- Attention à vos mains et doigts lors de la fermeture de la porte afin d'éviter tout risque d'écrasement.



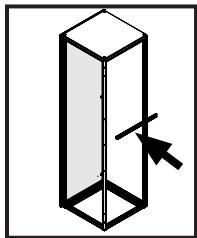
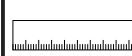
Elektrofachkraft



Electricity specialist



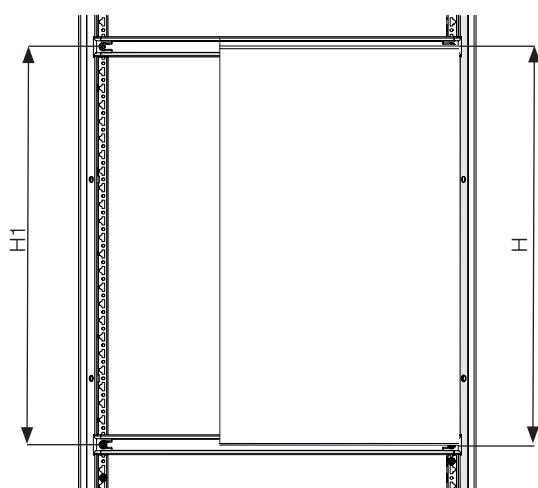
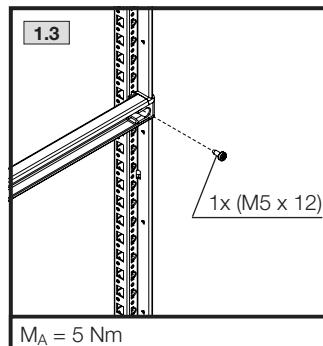
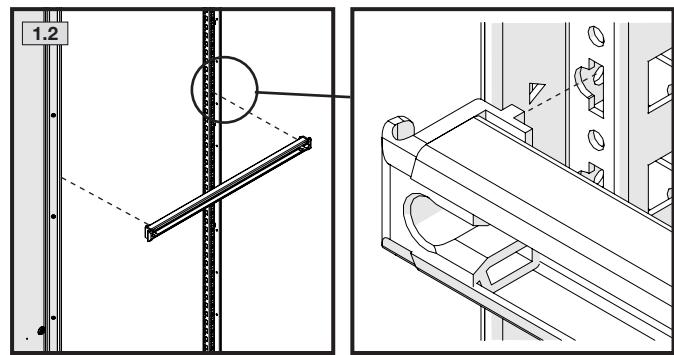
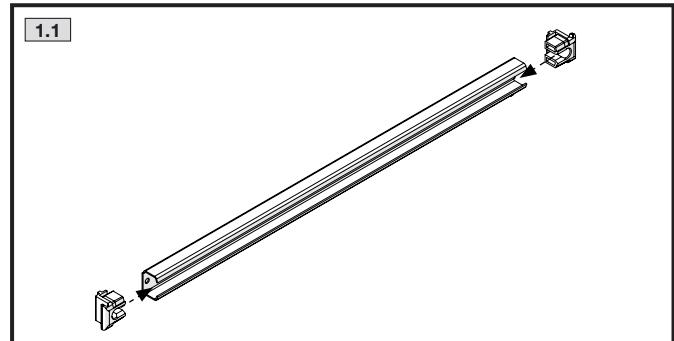
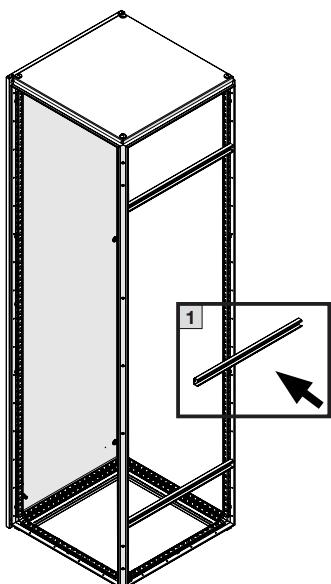
Électricien qualifié


**TX30**
**mm**

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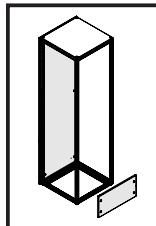
### 3.1 Trennstege montieren

### 3.1 Fitting the cross members

### 3.1 Montage des traverses de séparation

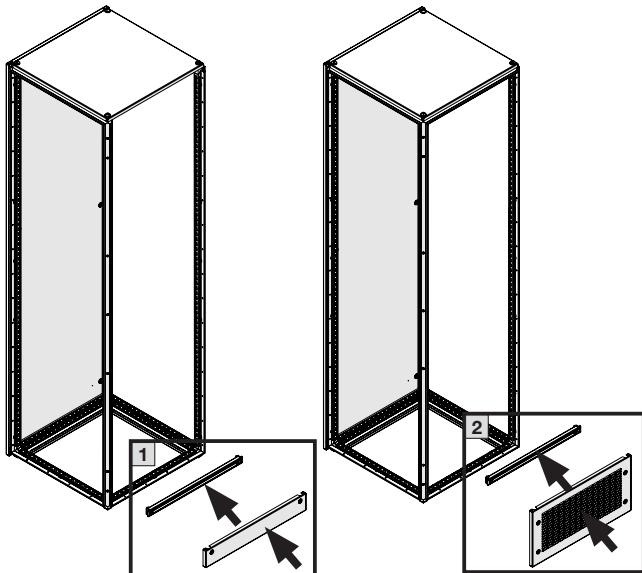


Teiltürhöhe H mm Partial door height H mm Hauteur de porte partielle H mm	Position Trennsteg H1 mm Position cross member H1 mm Position traverse de séparation H1 mm
150	150
200	200
300	300
400	400
600	600
800	800
1000	1000
1200	1200
1400	1400
1600	1600
1800	1800
2000	2000


**TX30**
**mm**

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### 3.2 Frontblenden montieren 3.2 Fitting the front trim panels 3.2 Montage des bandeaux de finition



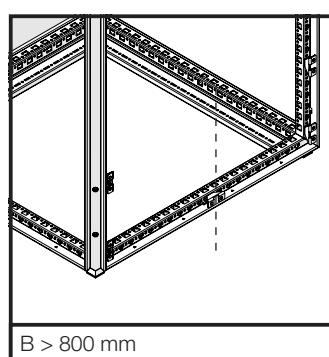
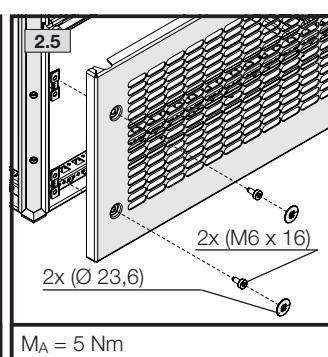
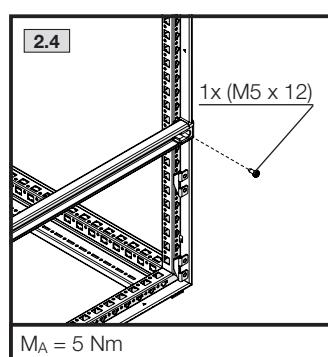
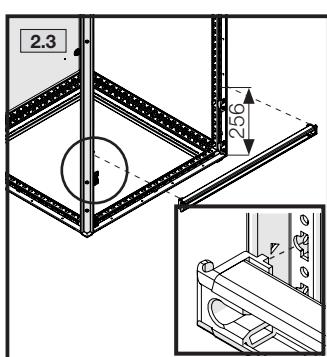
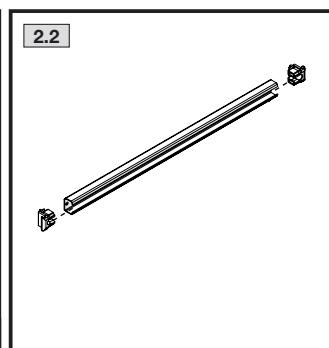
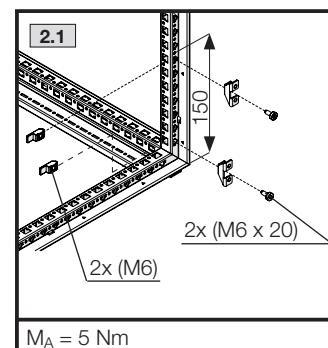
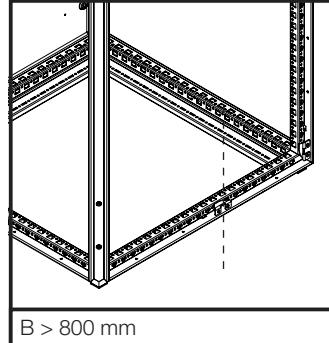
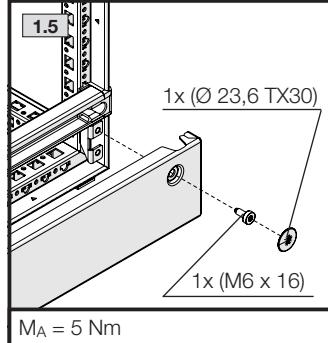
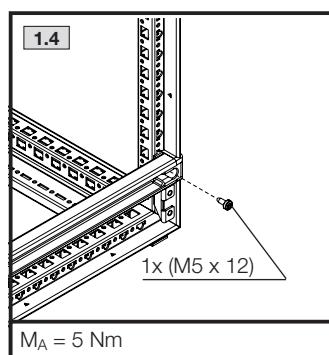
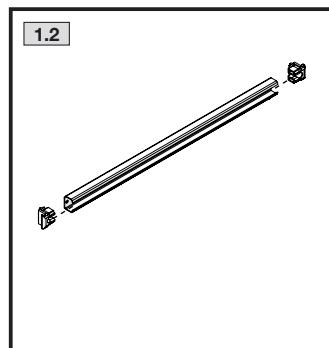
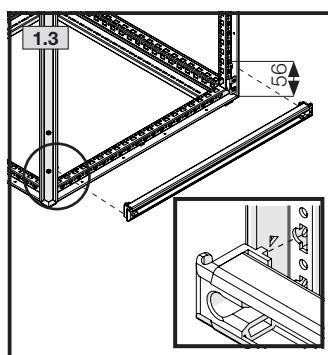
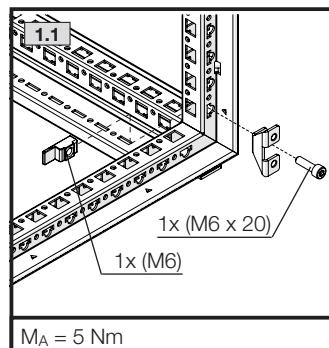
**Frontblenden, unten/Front trim panels, bottom/Bandeaux de finition inférieurs**

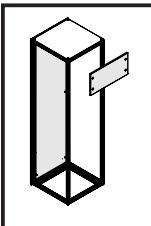
**Schutzart IP 54/Protection category IP 54/Indice de protection IP 54**

	Für Schrankbreite mm For enclosure width mm Pour largeur d'armoire mm	Höhe mm Height mm Hauteur mm	Best.-Nr. Model No. Référence
<b>1</b>	400	100	<b>9682.334</b>
<b>2</b>	400	300	<b>9682.344</b>
<b>1</b>	600	100	<b>9682.336</b>
<b>2</b>	600	300	<b>9682.346</b>
<b>1</b>	800	100	<b>9682.338</b>
<b>2</b>	800	300	<b>9682.348</b>
<b>1</b>	1000	100	<b>9682.330</b>
<b>2</b>	1000	300	<b>9682.340</b>
<b>1</b>	1200	100	<b>9682.332</b>
<b>2</b>	1200	300	<b>9682.342</b>

**Schutzart IP 2X/Protection category IP 2X/Indice de protection IP 2X**

	Für Schrankbreite mm For enclosure width mm Pour largeur d'armoire mm	Höhe mm Height mm Hauteur mm	Best.-Nr. Model No. Référence
<b>2</b>	400	300	<b>9682.354</b>
<b>2</b>	600	300	<b>9682.356</b>
<b>2</b>	800	300	<b>9682.358</b>
<b>2</b>	1000	300	<b>9682.350</b>
<b>2</b>	1200	300	<b>9682.352</b>





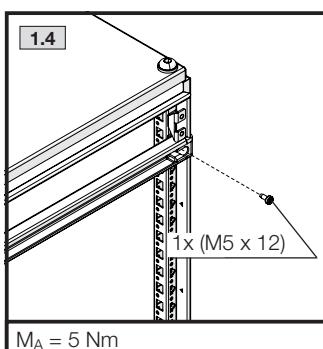
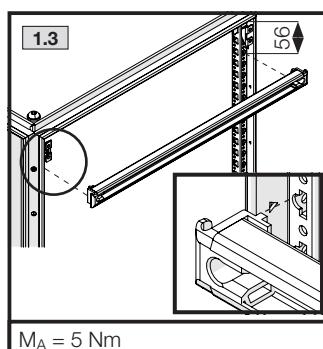
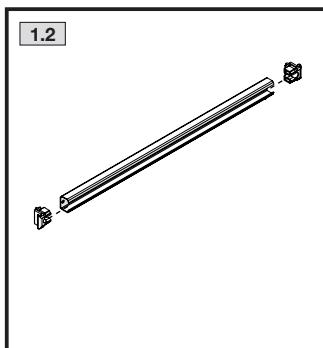
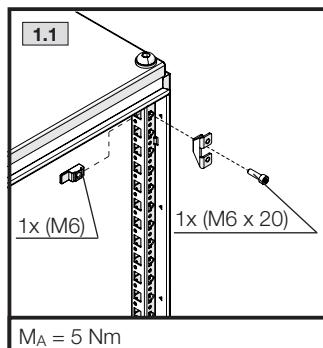
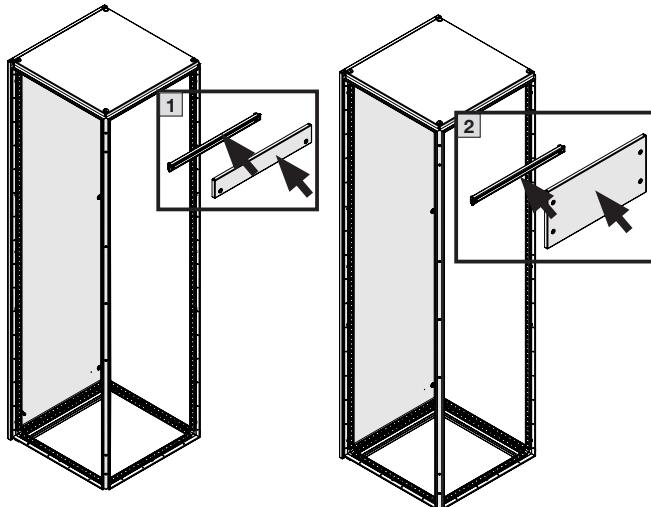
TX30

mm



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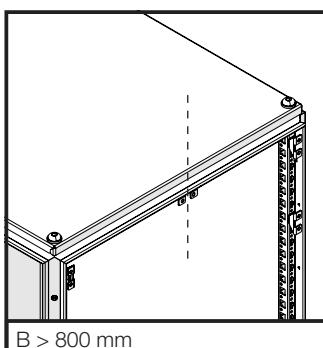
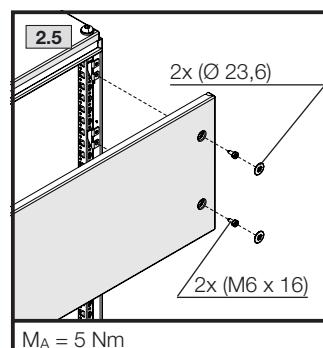
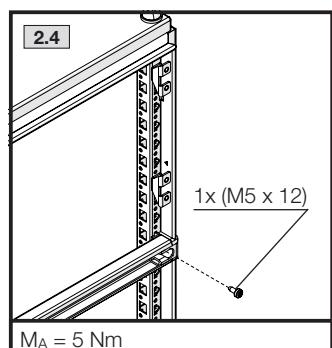
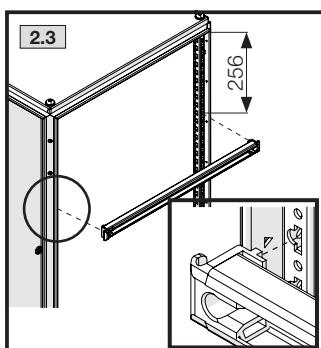
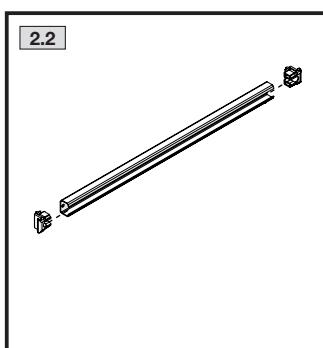
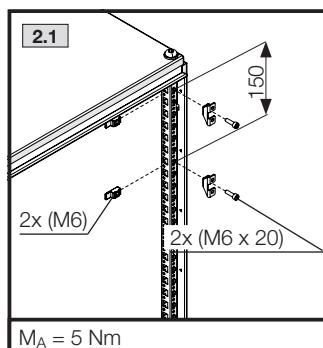
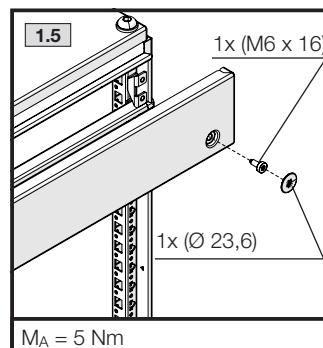
### 3.2 Frontblenden montieren 3.2 Fitting the front trim panels 3.2 Montage des bandeaux de finition

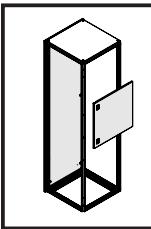


#### Frontblenden, oben/Front trim panels, top/ Bandeaux de finition supérieurs

Schutzzart IP 54/Protection category IP 54/Indice de protection IP 54

	Für Schrankbreite mm For enclosure width mm Pour largeur d'armoire mm	Höhe mm Height mm Hauteur mm	Best.-Nr. Model No. Référence
1	400	100	9682.314
2	400	300	9682.324
1	600	100	9682.316
2	600	300	9682.326
1	800	100	9682.318
2	800	300	9682.328
2	1000	300	9682.320
2	1200	300	9682.322





TX30

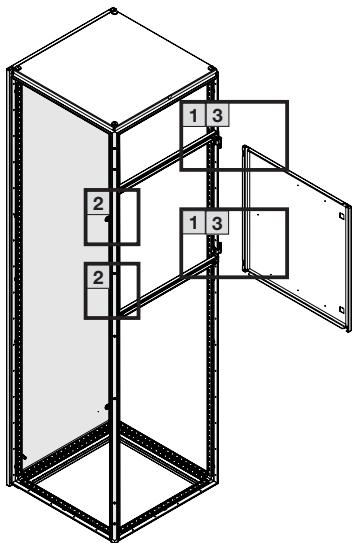


mm

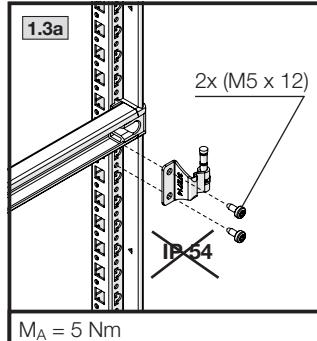
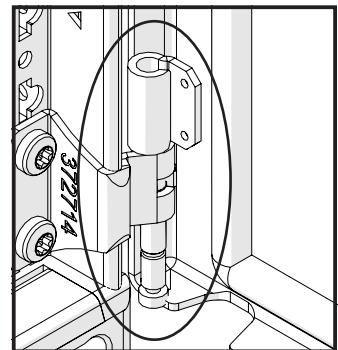
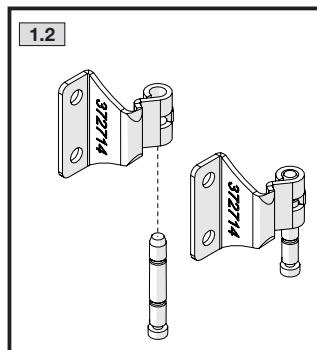
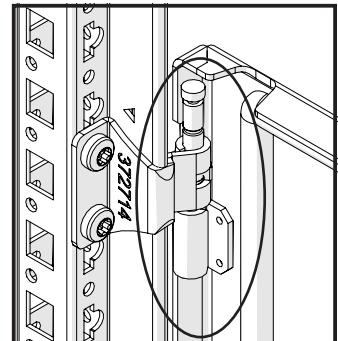
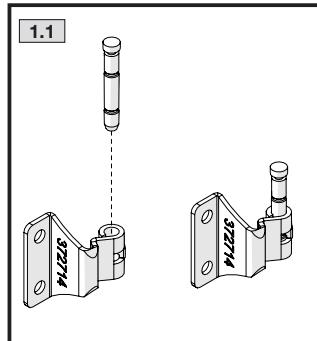
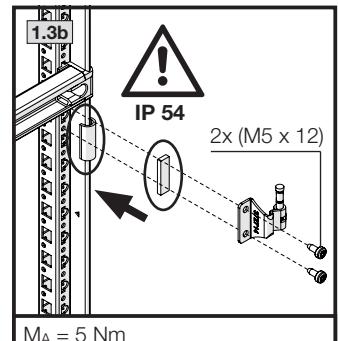
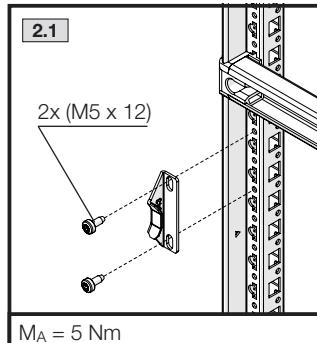
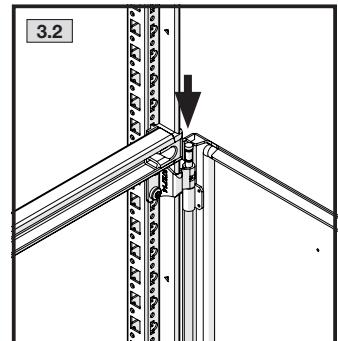
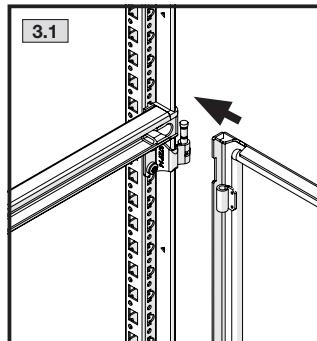


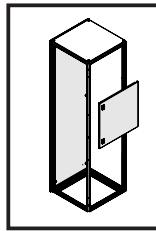
D EN F

### 3.3 Teiltüren montieren 3.3 Fitting the partial doors 3.3 Montage des portes partielles



**Hinweis/Note/Remarque**  
Positionsmaße, siehe Seite 10/11  
Position details, see page 10/11  
Cotes de position, voir page 10/11

M<sub>A</sub> = 5 NmM<sub>A</sub> = 5 NmM<sub>A</sub> = 5 Nm



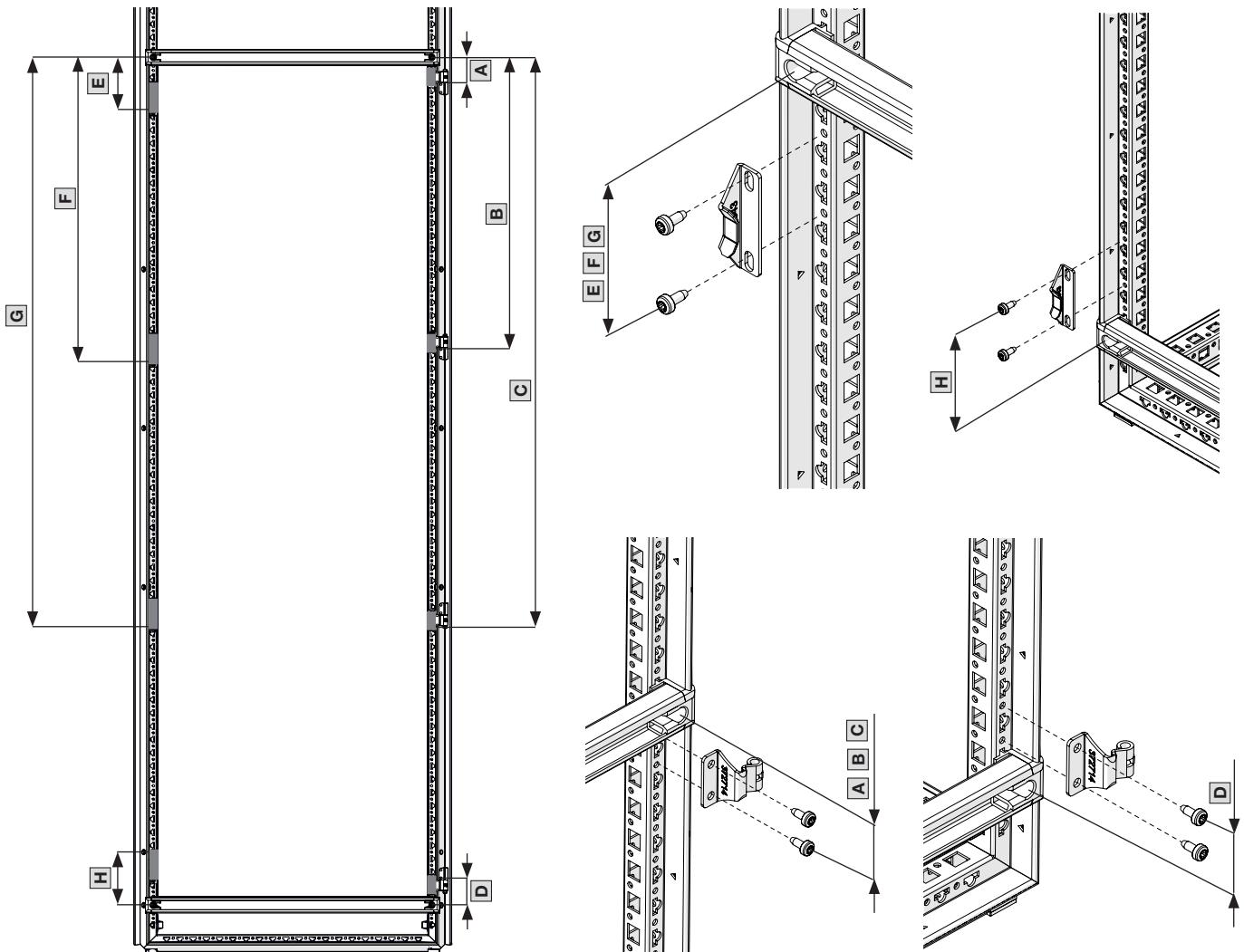
mm

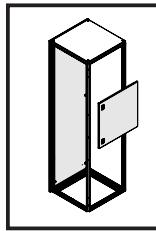
D EN F

### 3.3 Teiltüren montieren – Türanschlag rechts 3.3 Fitting the partial doors – R/h door hinges 3.3 Montage des portes partielles – portes avec charnières à droite

Teiltüren/Partial doors/Portes partielles

Höhe Height Hauteur mm	Mit Sichtscheibe With viewing window Avec vitre	Für Schrankbreite For enclosure width Pour largeur d'armoire				Gehäusescharniere Hinges Charnières				Verschlusswinkel Lock counterpart Serrure					
		400 mm	600 mm	800 mm	1000 mm	Anzahl Qty. Quantité	Position				Anzahl Qty. Quantité	Position			
		Best-Nr. Model No. Référence	Best-Nr. Model No. Référence	Best-Nr. Model No. Référence	Best-Nr. Model No. Référence		A	B	C	D		E	F	G	H
150	-	9682.141	9682.161	9682.181	-	2	50	-	-	50	1	100	-	-	-
200	-	9682.142	9682.162	9682.182	-	2	50	-	-	50	1	125	-	-	-
300	-	9682.143	9682.163	9682.183	-	2	50	-	-	50	1	175	-	-	-
400	-	9682.144	9682.164	9682.184	9682.104	2	50	-	-	50	2	100	-	-	100
600	-	9682.146	9682.166	9682.186	9682.106	2	50	-	-	50	2	100	-	-	100
600	x	-	9682.167	9682.187	-	2	50	-	-	50	2	100	-	-	100
800	-	9682.148	9682.168	9682.188	9682.108	2	50	-	-	50	2	100	-	-	100
800	x	-	9682.169	-	-	2	50	-	-	50	2	100	-	-	100
1000	-	9682.140	9682.160	9682.180	-	3	50	475	-	50	3	100	525	-	100
1200	-	9682.152	9682.172	9682.192	-	3	50	575	-	50	3	100	625	-	100
1400	-	9682.154	9682.174	9682.194	-	3	50	675	-	50	3	100	725	-	100
1600	-	9682.156	9682.176	9682.196	-	4	50	550	1075	50	4	100	575	1075	100
1800	-	9682.158	9682.178	9682.198	-	4	50	625	1200	50	4	100	650	1200	100
2000	-	9682.150	9682.170	9682.190	-	4	50	675	1350	50	4	100	725	1325	100





**mm**  
[Scale bar]

D EN F

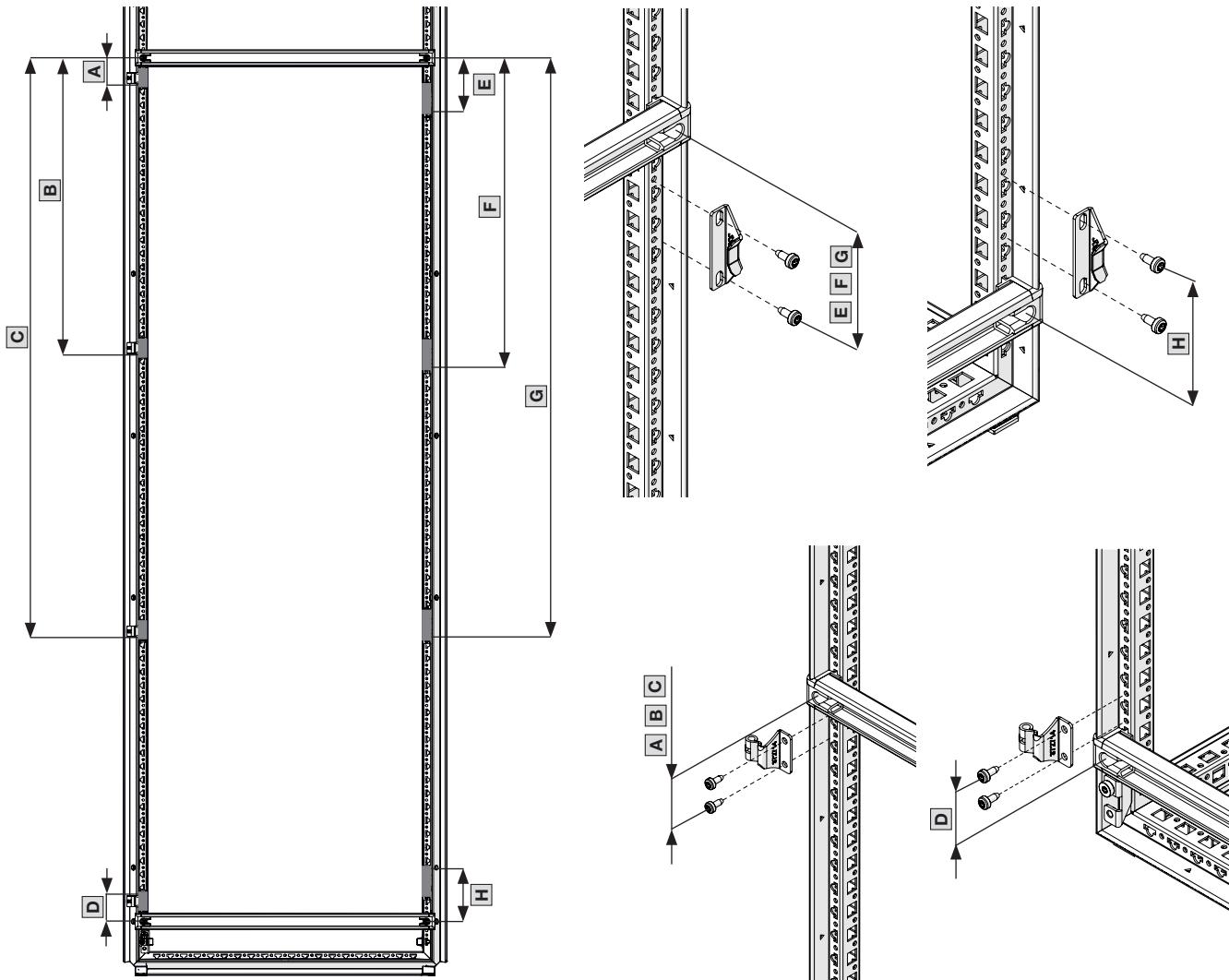
### 3.3 Teiltüren montieren – Türanschlag links

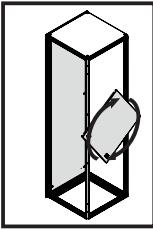
### 3.3 Fitting the partial doors – L/h door hinges

### 3.3 Montage des portes partielles – portes avec charnières à gauche

Teiltüren/Partial doors/Portes partielles

Höhe Height Hauteur mm	Mit Sichtscheibe With viewing window Avec vitre	Für Schrankbreite For enclosure width Pour largeur d'armoire				Gehäusescharnier Hinges Charnières				Verschlusswinkel Lock parts Serrure					
		400 mm	600 mm	800 mm	1000 mm	Anzahl Qty. Quantité	Position				Anzahl Qty. Quantité	Position			
		Best-Nr. Model No. Référence	Best-Nr. Model No. Référence	Best-Nr. Model No. Référence	Best-Nr. Model No. Référence		[A]	[B]	[C]	[D]		[E]	[F]	[G]	[H]
150	–	9682.141	9682.161	9682.181	–	2	50	–	–	50	1	100	–	–	–
200	–	9682.142	9682.162	9682.182	–	2	50	–	–	50	1	125	–	–	–
300	–	9682.143	9682.163	9682.183	–	2	50	–	–	50	1	175	–	–	–
400	–	9682.144	9682.164	9682.184	9682.104	2	50	–	–	50	2	100	–	–	100
600	–	9682.146	9682.166	9682.186	9682.106	2	50	–	–	50	2	100	–	–	100
600	x	–	9682.167	9682.187	–	2	50	–	–	50	2	100	–	–	100
800	–	9682.148	9682.168	9682.188	9682.108	2	50	–	–	50	2	100	–	–	100
800	x	–	9682.169	–	–	2	50	–	–	50	2	100	–	–	100
1000	–	9682.140	9682.160	9682.180	–	3	50	550	–	50	3	100	525	–	100
1200	–	9682.152	9682.172	9682.192	–	3	50	650	–	50	3	100	625	–	100
1400	–	9682.154	9682.174	9682.194	–	3	50	750	–	50	3	100	725	–	100
1600	–	9682.156	9682.176	9682.196	–	4	50	550	1075	50	4	100	575	1075	100
1800	–	9682.158	9682.178	9682.198	–	4	50	625	1200	50	4	100	650	1200	100
2000	–	9682.150	9682.170	9682.190	–	4	50	725	1325	50	4	100	675	1350	100



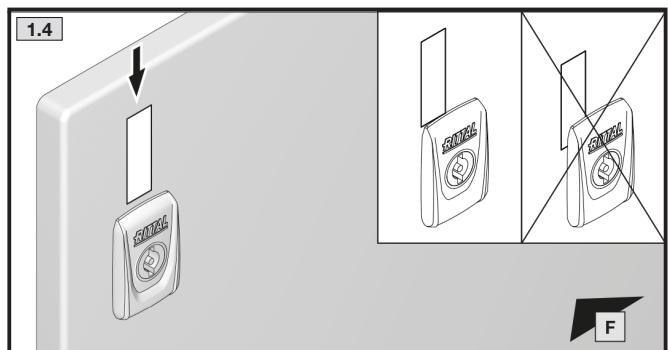
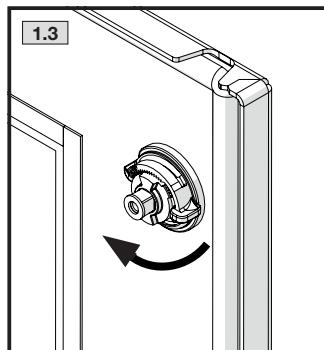
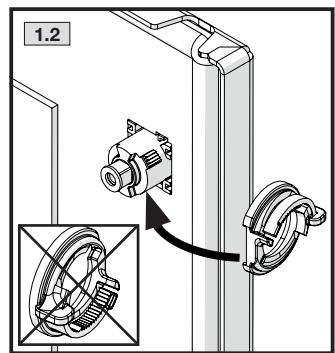
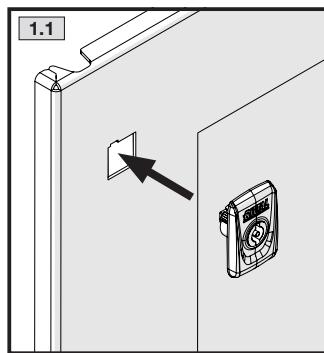
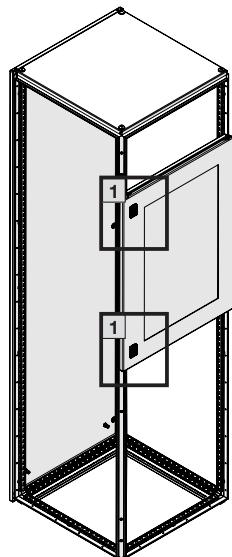


TX25

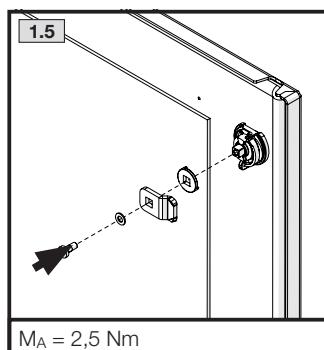


D EN F

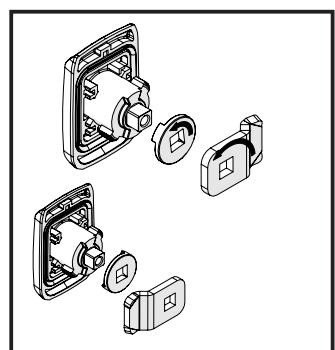
**3.4 Türverschluß montieren**  
**3.4 Fitting the door lock**  
**3.4 Montage des verrouillage de porte**

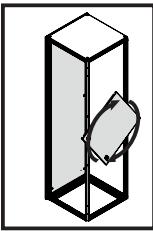


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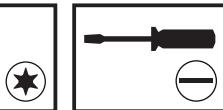


$M_A = 2,5 \text{ Nm}$



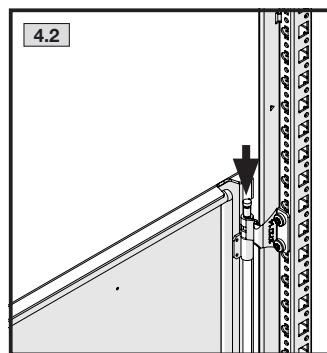
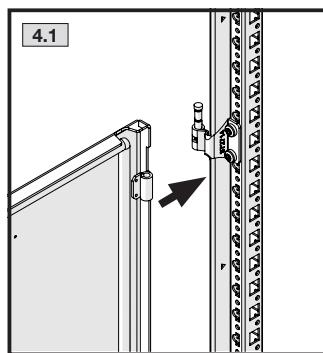
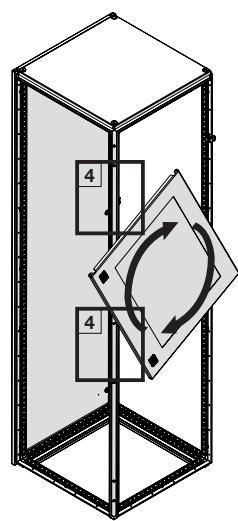
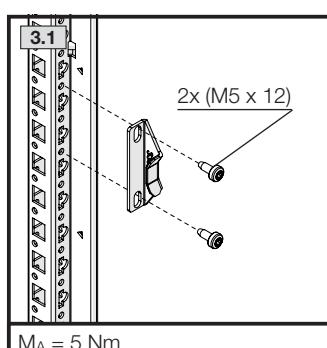
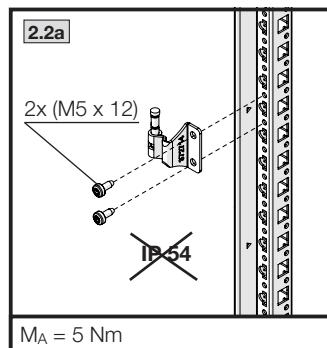
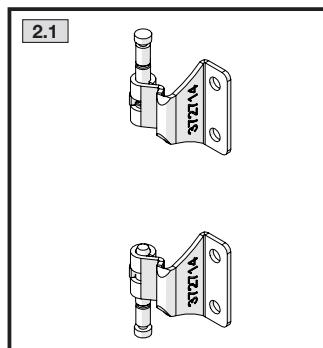
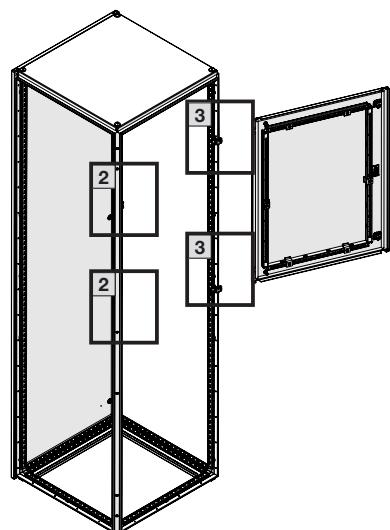
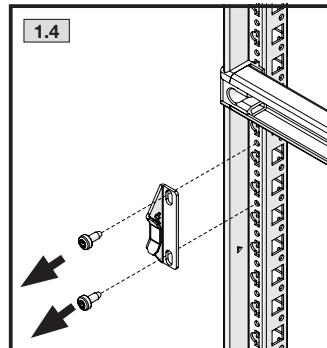
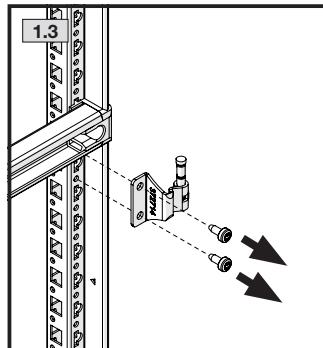
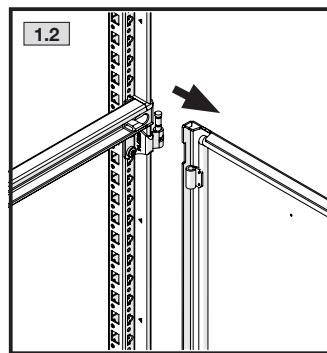
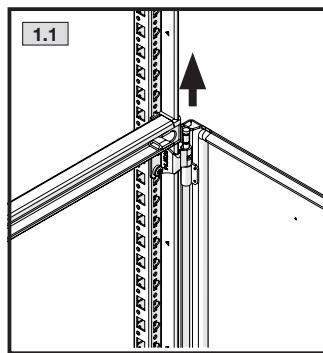
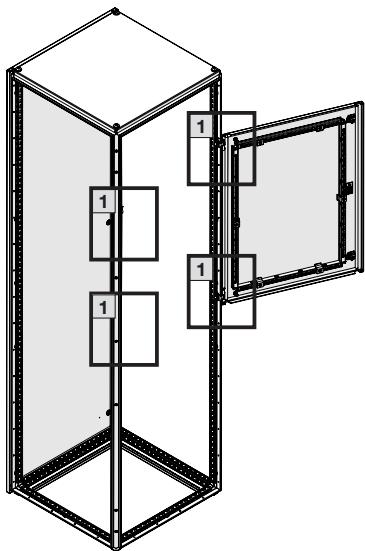


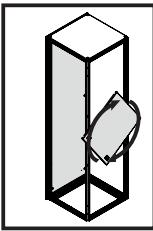
TX30



D EN F

### 3.5 Türanschlag wechseln 3.5 Switching the door hinges 3.5 Inversion du sens d'ouverture



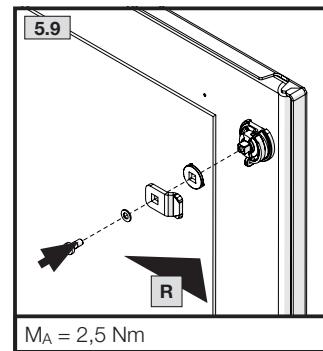
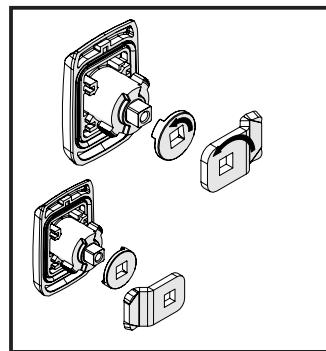
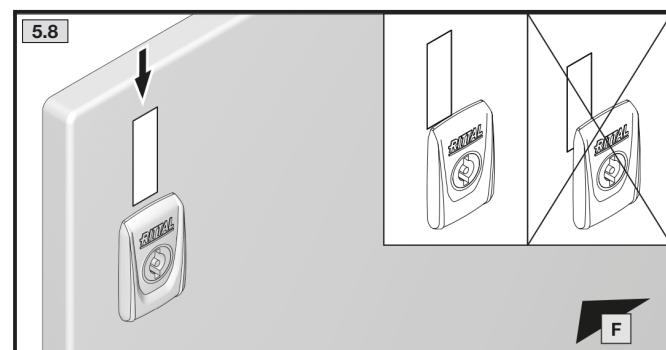
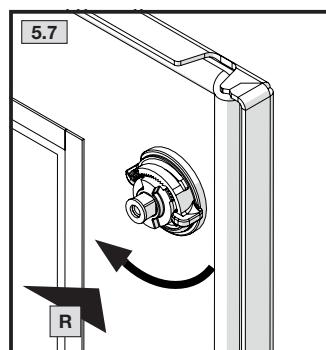
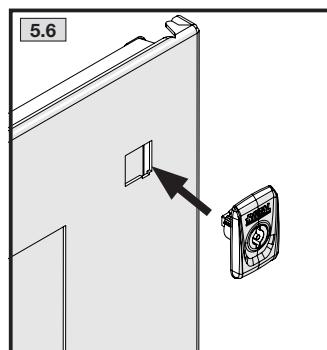
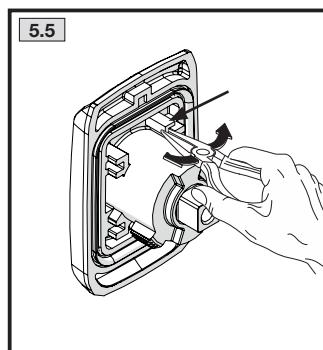
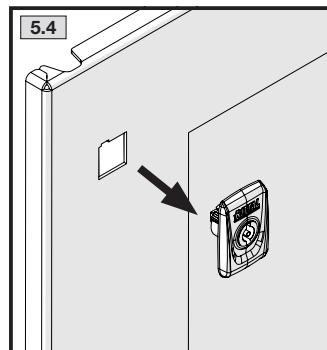
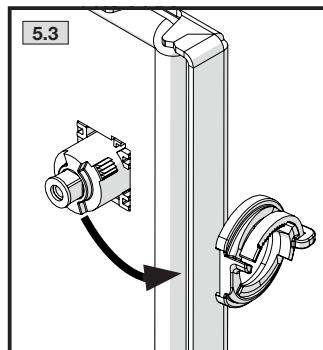
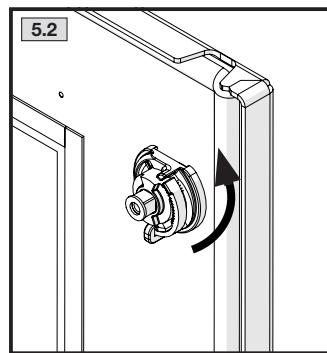
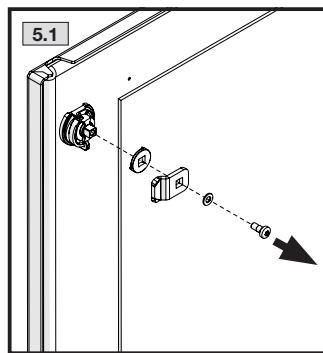
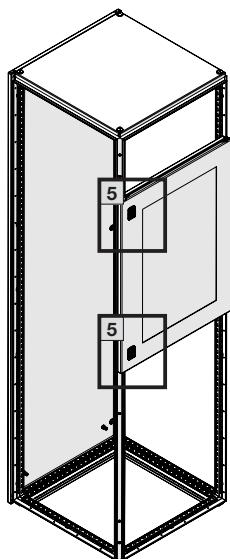


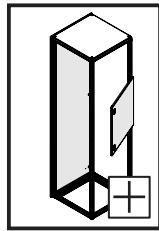
TX25



D EN F

**3.5 Türanschlag wechseln**  
**3.5 Switching the door hinges**  
**3.5 Inversion du sens d'ouverture**





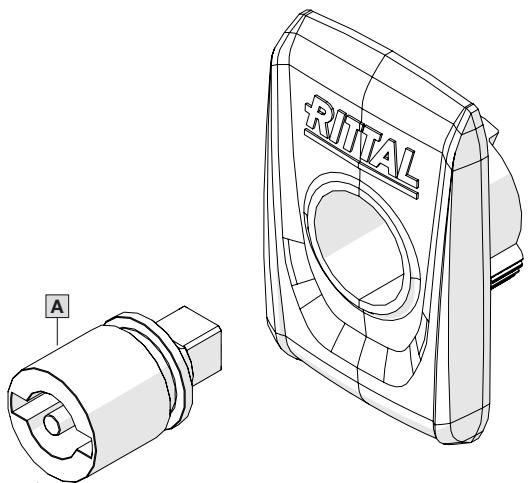
**TX25**  
★

D EN F

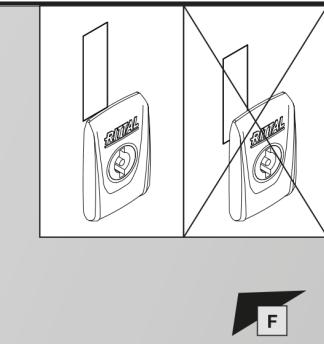
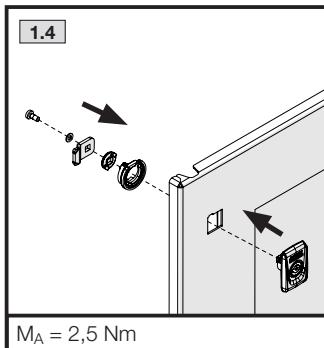
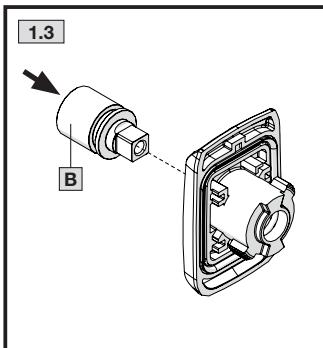
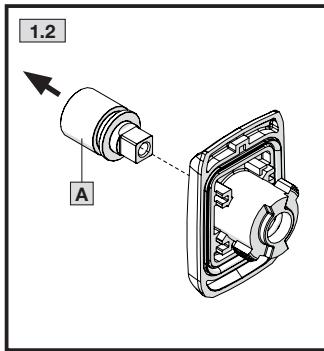
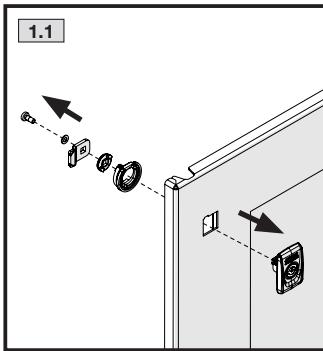
### 3.6 Verschlusseinsatz wechseln

### 3.6 Changing the lock insert

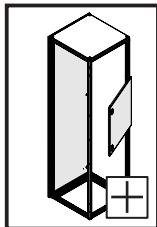
### 3.6 Remplacement du dispositif de verrouillage



B		Best.-Nr. Model No. Référence
■	7 mm	2460.000
▼	8 mm	2461.000
—	7 mm	2462.000
●	8 mm	2463.000
—	7 mm	2464.000
○	Daimler	2465.000
○	3 mm	2466.000
○	Fiat	2307.000
▼	CNOMO	2460.650



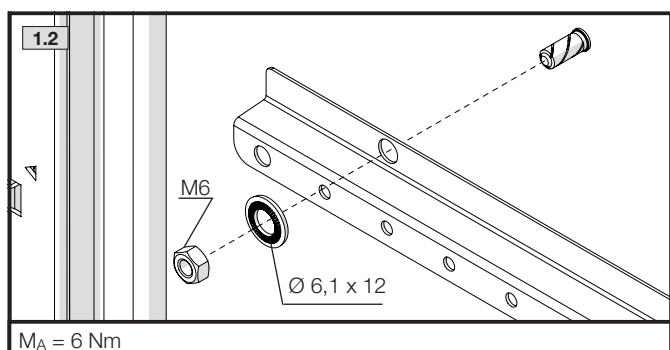
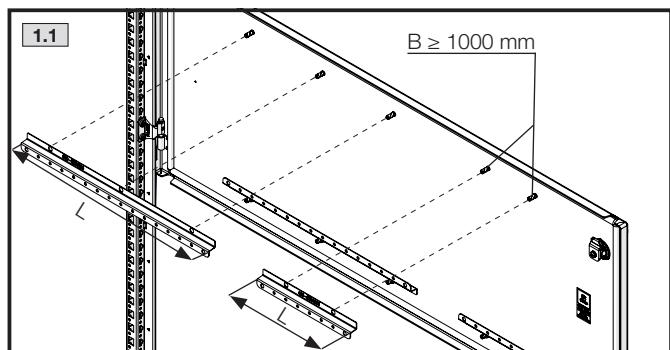
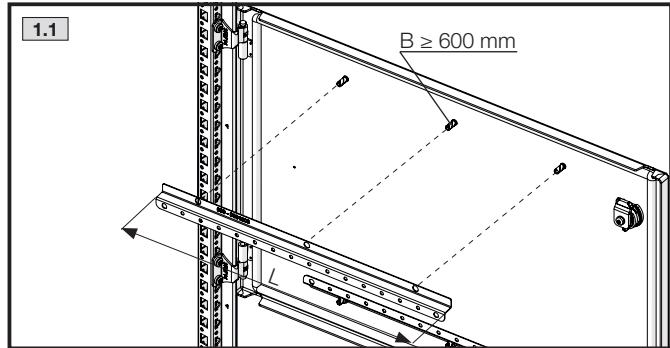
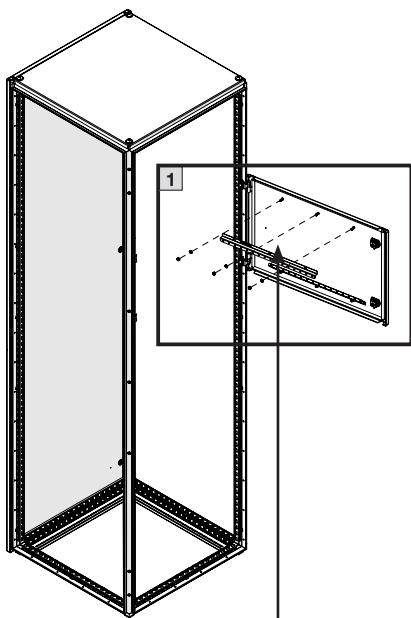
F



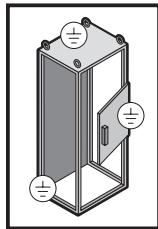
**SW13**

D EN F

### 3.7 Montagelochleiste montieren 3.7 Fitting the perforated mounting strip 3.7 Montage des bandeaux de montage



Für Teiltürbreite [B] mm For partial door [B] width mm Pour largeur de porte partielle [B] mm	Für Teiltürhöhe mm For partial door height mm Pour hauteur de porte partielle mm	L mm	<b>Best.-Nr. Model No. Référence</b>
400	150 – 800	298	<b>9681.204</b>
600	150 – 800	498	<b>9681.206</b>
800	150 – 800	698	<b>9681.208</b>
1000	150 - 800 + 498	298 + 498	<b>9681.204</b> + <b>9681.206</b>
1200	150 - 800	498 + 498	<b>9681.206</b> + <b>9681.208</b>



**TX25**  
★

D EN F

### 3.8 Erdung 3.8 Earthing 3.8 Mise à la masse



DE

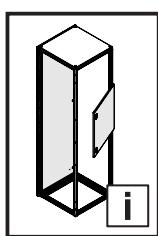
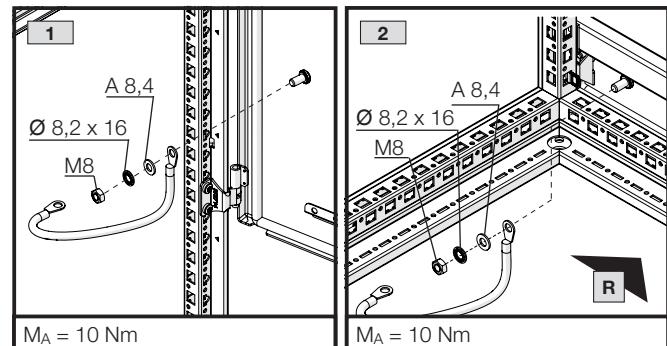
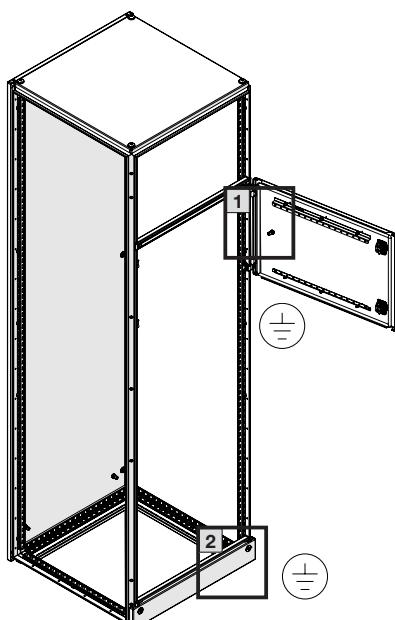
Weitere Hinweise zur Ausführung des Potenzialausgleichs und der Schutzleiterverbindung stehen in der technischen Dokumentation „Schutzleiteranschluss, Strombelastbarkeit“ zum VX25-Schranksystem.

EN

Further information on potential equalisation and the PE conductor connection can be found in the technical documentation "PE conductor connection, current carrying capacity" for the VX25 enclosure system.

FR

D'autres renseignements concernant l'exécution de l'équipotentialité et la mise à la terre se trouvent dans le manuel technique "Raccordement de mise à la terre et intensités maximales admissibles" des armoires VX25.



### 4. Lagerung 4. Storage 4. Stockage

D EN F

D

#### Technische Daten:

Lagerungstemperatur:  
-20 °C bis +80 °C

EN

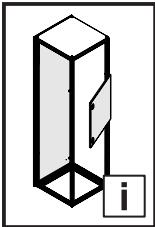
#### Technical data:

Storage temperature:  
-20 °C to +80 °C

F

#### Caractéristiques techniques :

Plage de température de stockage:  
-20 °C à +80 °C



D EN F

## 5. Installations- und Servicehinweise

## 5. Installation and service instructions

## 5. Consignes d'installation et de service

D

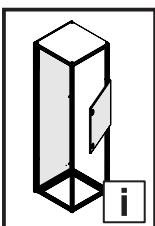
Vor Installations- oder Servicearbeiten Stromversorgung unterbrechen, um Unfälle zu vermeiden. Die Geräte müssen in einem passenden Gehäuse eingebaut und gegen Verschmutzung geschützt werden. Inbetriebsetzung und Wartung nur durch Fachpersonal!

EN

To prevent electrical shock, disconnect from power source before installing or servicing. Install in suitable enclosure. Keep free from contaminants. To be commissioned and maintained only by qualified personnel!

F

Avant le montage et la mise en service, couper l'alimentation secteur afin d'éviter tout accident. Prevoir une mise en coffret ou armoire appropriée, protéger le produit contre les environnements agressifs. Installation et entretien : seulement par du personnel spécialisé !



D EN F

## 6. Garantie

## 6. Warranty

## 6. Garantie

DE

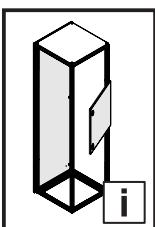
Es gelten die in den Verkaufs- und Lieferbedingungen der jeweiligen Rittal Vertriebs- und Tochtergesellschaften genannten Bedingungen.

EN

The conditions named in the sales and delivery conditions of the associated Rittal agents and subsidiaries apply.

FR

Les conditions générales de vente des représentations et filiales Rittal sont contractuelles.



D EN F

## 7. Kundendienstadressen

## 7. Customer service addresses

## 7. Adresses des services après-vente

**Headquarter Deutschland**  
**Headquarters Germany**  
**Siege en Allemagne**  
RITTAL GmbH & Co. KG  
Auf dem Stuetzelberg  
35745 Herborn  
Germany  
Phone +49(0)2772 505-1855  
Fax +49(0)2772 505-1850  
E-mail: service@ittal.de

**Service-HUB USA**  
**Service HUB USA**  
**Plateforme de service aux États-Unis**  
RITTAL Corporation  
801 State Route 55 Dock 25  
Urbana, OH 43078  
Phone +1 800 477 4000, option 3  
E-mail: service@ittal.us  
www.ittal-corp.com

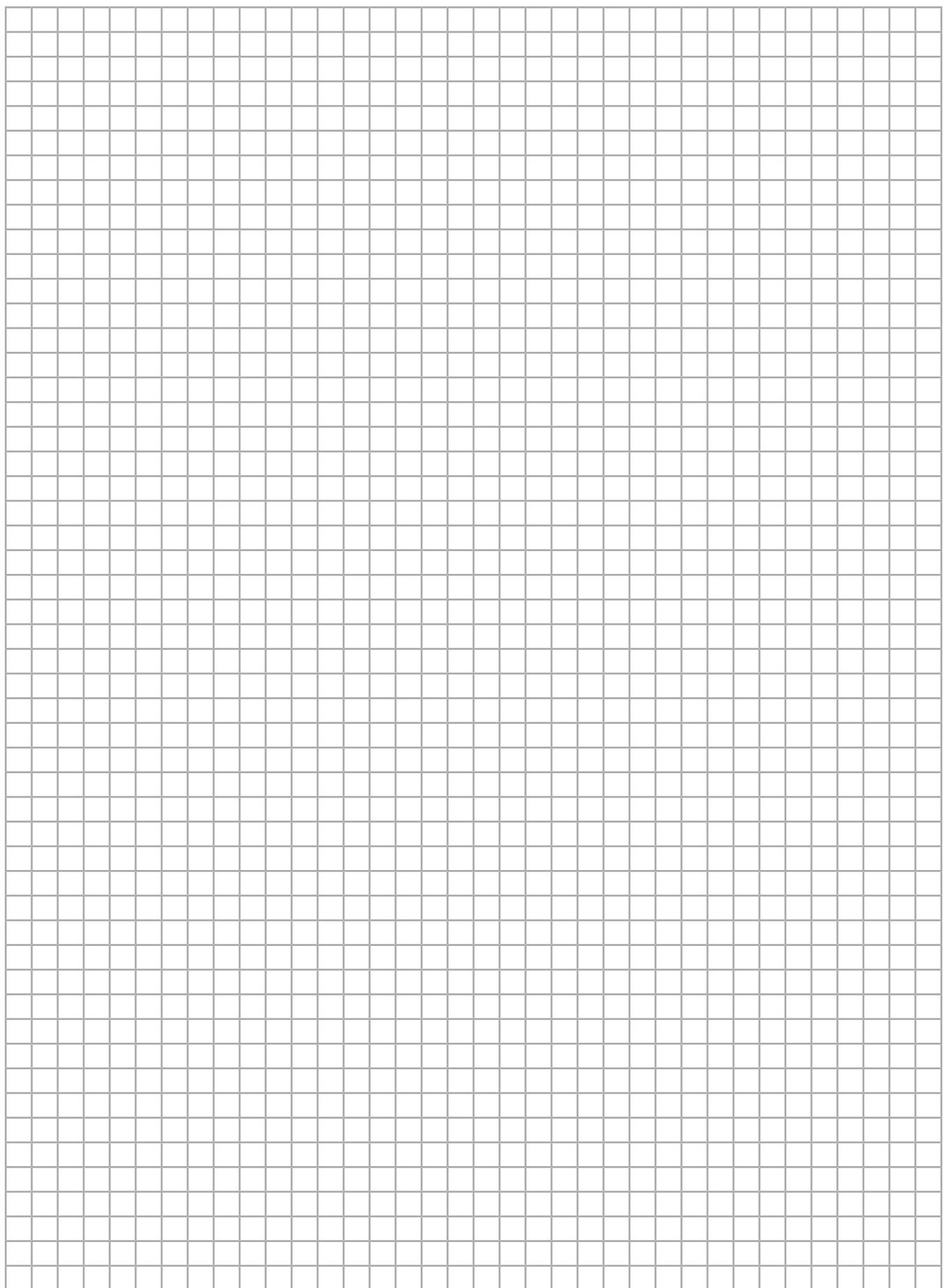
**Service-HUB Brasilien**  
**Service HUB Brazil**  
**Plateforme de service au Brésil**  
RITTAL Sistemas Eletromecânicos Ltda.  
Av. Cândido Portinari, 1174  
Vila Jaguara  
05114-001 São Paulo - SP  
Phone +55 (11) 3622 2361  
Fax +55 (11) 3622 2399  
E-mail: service@ittal.com.br

**Service-HUB China**  
**Service HUB China**  
**Plateforme de service en Chine**  
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Fax +86 21 5115 7788  
E-mail: service@ittal.cn

**Service-HUB Indien**  
**Service HUB India**  
**Plateforme de service en Inde**  
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Industrial Area Veerapura  
Doddaballapur-561 203  
Bengaluru District  
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**Notizen/Notes**

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