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ACB-Feld Bodenbereich Horizontal-Anschluss (Kapitel A.21)

ACB section, base area – Horizontal connection (chapter A.21)

Zone des disjoncteurs de puissance – jeu de barres dans la base – raccordement horizontal (chapitre A.21)

Anhang VX25 Ri4Power – Montageanleitung

Appendix VX25 Ri4Power – Assembly instructions

Annexe VX25 Ri4Power – Notice de montage

ENCLOSURES

POWER DISTRIBUTION

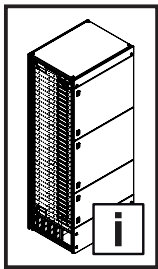
CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP





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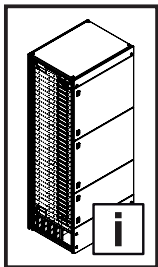
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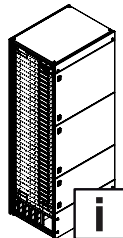
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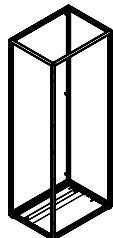
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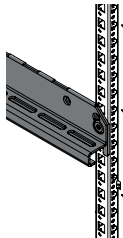
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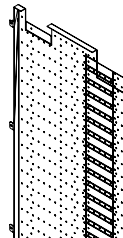
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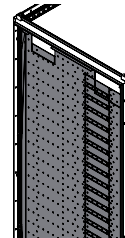
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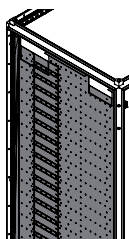
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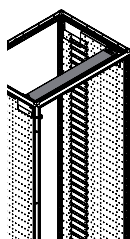
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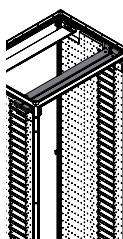
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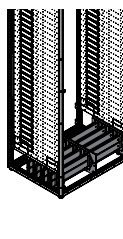
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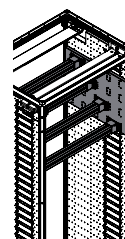
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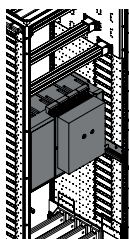
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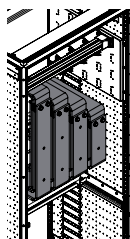
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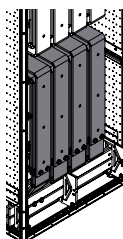
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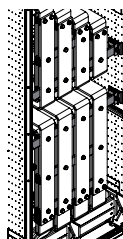
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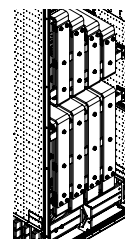
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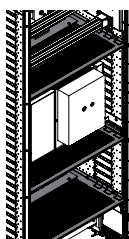
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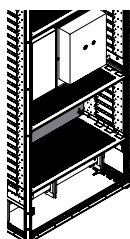
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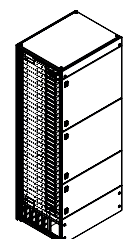
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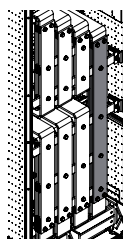
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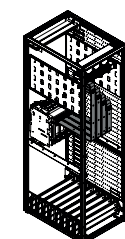
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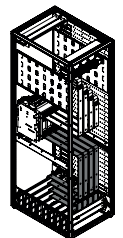
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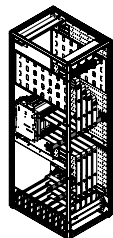
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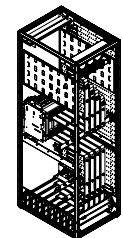
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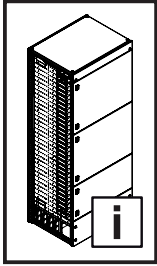
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Mitgeltende Unterlagen Other applicable documents Autres documents applicables

DE

Für die hier beschriebenen Sammelschienenkomponenten steht diese Montageanleitung als Download unter www.rittal.de zur Verfügung. Für Schäden, die durch Nichtbeachtung dieser Anleitung entstehen, übernehmen wir keine Haftung. Zusätzlich gelten auch die Anleitungen des verwendeten Zubehörs sowie die VX25 Ri4Power Montageanleitung.

Bitte beachten Sie die Sicherheits- und Warnhinweise in der Montageanleitung „VX25 Ri4Power – Schalt- und Energieverteilanlagen-System“.

Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System

Assembly instructions VX25 Ri4Power – Switchgear and power distribution system

Notice de montage VX25 Ri4Power – Distribution de courant

 **DE/EN/FR**

EN

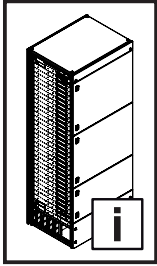
These assembly instructions for the described busbar components can be downloaded from www.rittal.com. We cannot accept any liability for damage associated with failure to observe these instructions. The instructions for any accessories used, together with the VX25 Ri4Power assembly instructions, also apply.

Please observe the safety and warning notes in the “VX25 Ri4Power – Switchgear and power distribution system” assembly instructions.

FR

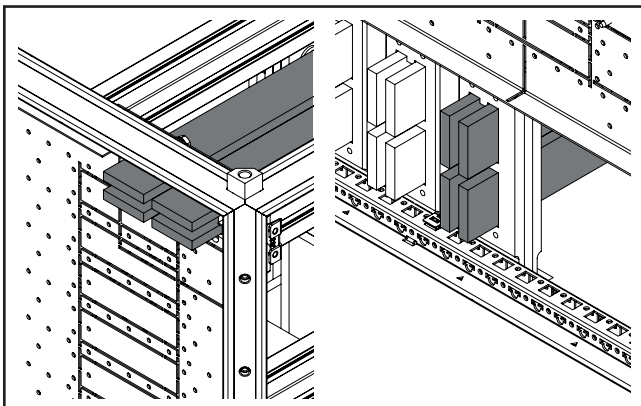
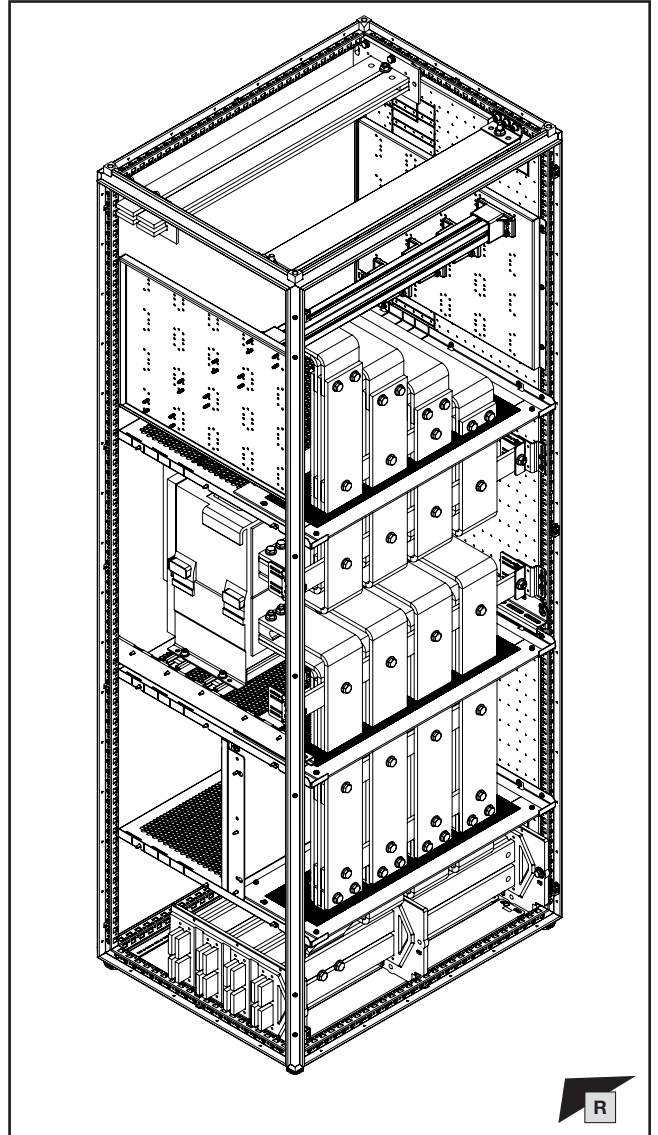
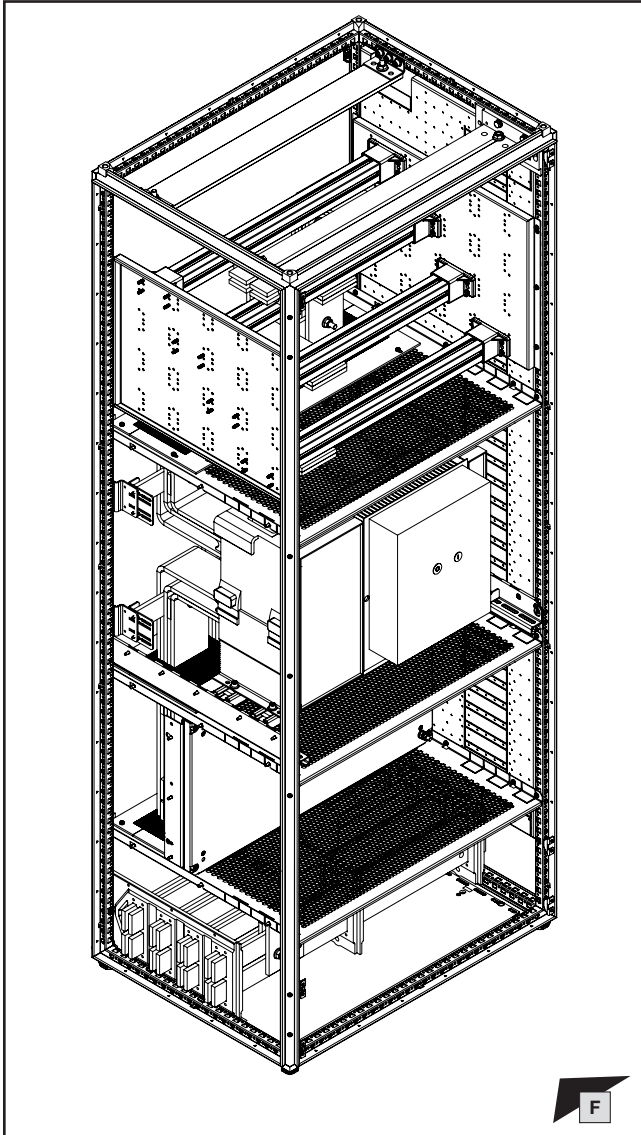
La présente notice de montage pour les composants du jeu de barres mentionnés ici peut être téléchargée sur le site internet www.rittal.fr. Nous déclinons toute responsabilité en cas de dommages imputables à la non-observation des instructions contenues dans ce document. Veuillez également respecter les instructions relatives aux accessoires utilisés ainsi que la notice de montage VX25 Ri4Power.

Veuillez respecter les consignes de sécurité et les avertissements figurant dans les instructions de montage « VX25 Ri4Power – Distribution de courant ».



1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.1 Leistungsschalterfeld 600 mm tief / Hauptsammelschiene im Bodenbereich
- 1.1 Air circuit-breaker section 600 mm deep / main busbar in the base area
- 1.1 Zone des disjoncteurs de puissance d'une profondeur de 600 mm / jeu de barres principal dans la base

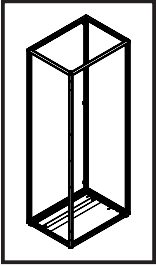


Hinweis / Note / Remarque

Neutralleiter N nach Wahl des Anlagenbetreibers im Dachbereich oder im Bodenbereich. Montage beider Varianten wird im Kapitel 1 parallel gezeigt.

Neutral conductor N as chosen by the plant operator in the roof area or in the floor area. The assembly of both variants is shown in parallel in chapter 1.

Neutre N sous le toit ou dans la base, selon le choix de l'exploitant de l'installation. Le montage des deux variantes est décrit au chapitre 1.



1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.2 Vorbereitung Modulschrank
- 1.2 Preparing the modular enclosure
- 1.2 Préparation de l'armoire modulaire

Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System
 Assembly instructions VX25 Ri4Power – Switchgear and power distribution system
 Notice de montage VX25 Ri4Power – Distribution de courant

DE/EN/FR



Hinweis / Note / Remarque

Vorbereitende Arbeiten: siehe o. g. Anleitung, Kapitel „Demontage Flachteile“ und „Vorbereitung Montage Frontblenden“.

Preparatory work: see above mentioned assembly instructions, chapter "Dismantling panels" and "Preparation of mounting front trim panels".

Pour les travaux préliminaires, voir les chapitres « Démontage des pièces plates » et « Préparation du montage des faces avant » de la notice de montage ci-dessus.

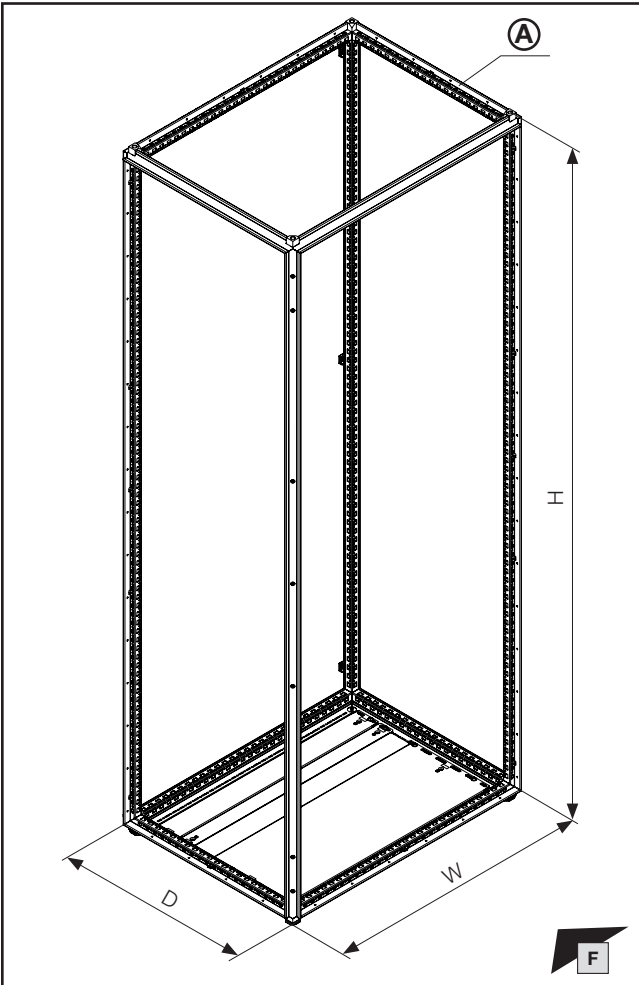


Hinweis / Note / Remarque

Für Schutz Eigenschaft Störlichtbogenklasse A/B Montagereihenfolge in den entsprechenden Kapiteln der o. g. Anleitung beachten.

For arcing class A/B protection, please follow the assembly sequence as set out in the relevant chapters of the aforementioned assembly instructions.

Pour la protection contre les arcs électriques de catégorie A/B, suivez la séquence de montage indiquée dans les chapitres correspondantes des instructions ci-dessus.



Hinweis / Note / Remarque

Die Angaben „W“ (Breite), „H“ (Höhe) und „D“ (Tiefe) der Schränke beziehen sich jeweils auf die nominalen Abmessungen der Schränke.

The information "W" (width), "H" (height) and "D" (depth) each refer to the nominal dimensions of the enclosures.

Les informations « W » (largeur), « H » (hauteur) et « D » (profondeur) se réfèrent chacune aux dimensions nominales des armoires.

W mm	H mm	D mm	A Best.-Nr. Model No. Référence
400	2000	600	9680.406
400	2000	800	9680.408
400	2200	600	9680.426
400	2200	800	9680.428
600	2000	600	9680.606
600	2000	800	9680.608
600	2200	600	9680.626
600	2200	800	9680.628
800	2000	600	9680.806
800	2000	800	9680.808
800	2200	600	9680.826
800	2200	800	9680.828
1000	2000	800	9680.008
1000	2200	800	9680.028
1200	2000	800	9680.208
1200	2200	800	9680.228

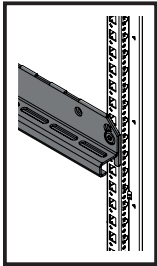


Hinweis / Note / Remarque

Alternativ: Basisschrank aus Produktauswahl „Anreih-Schranksystem VX25“.

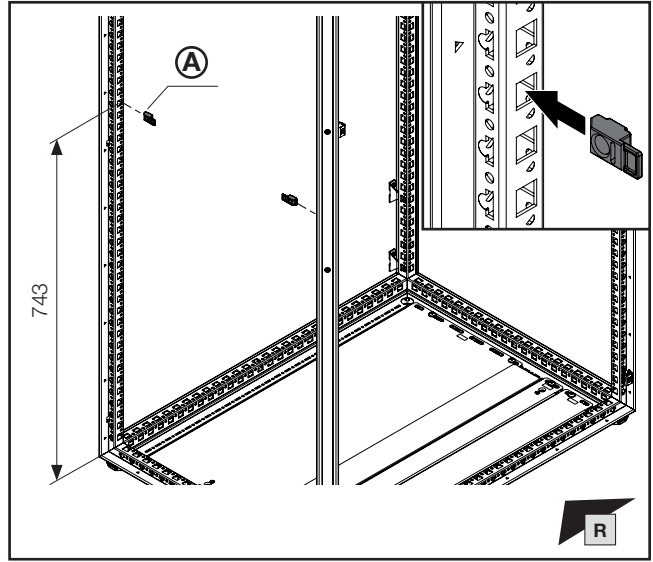
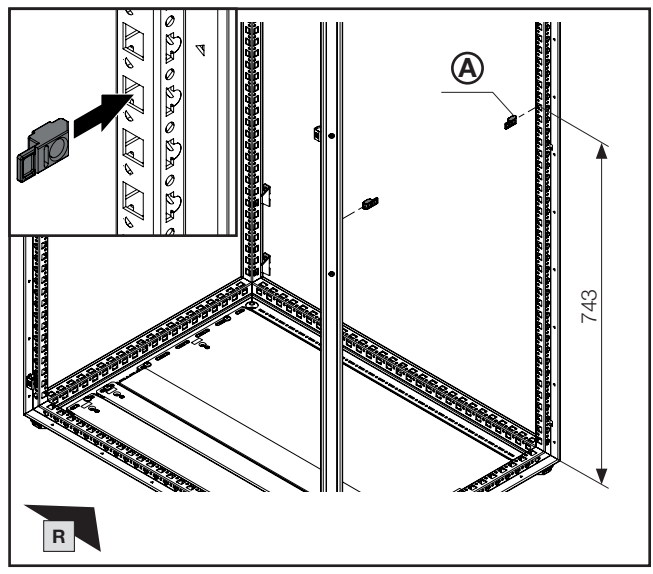
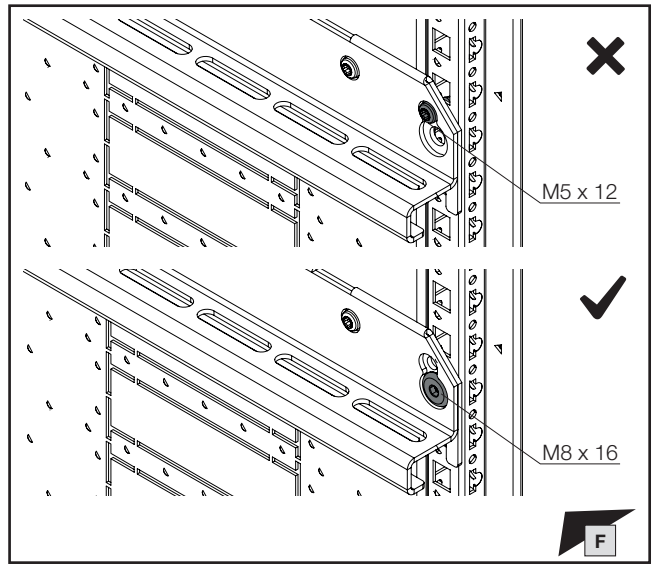
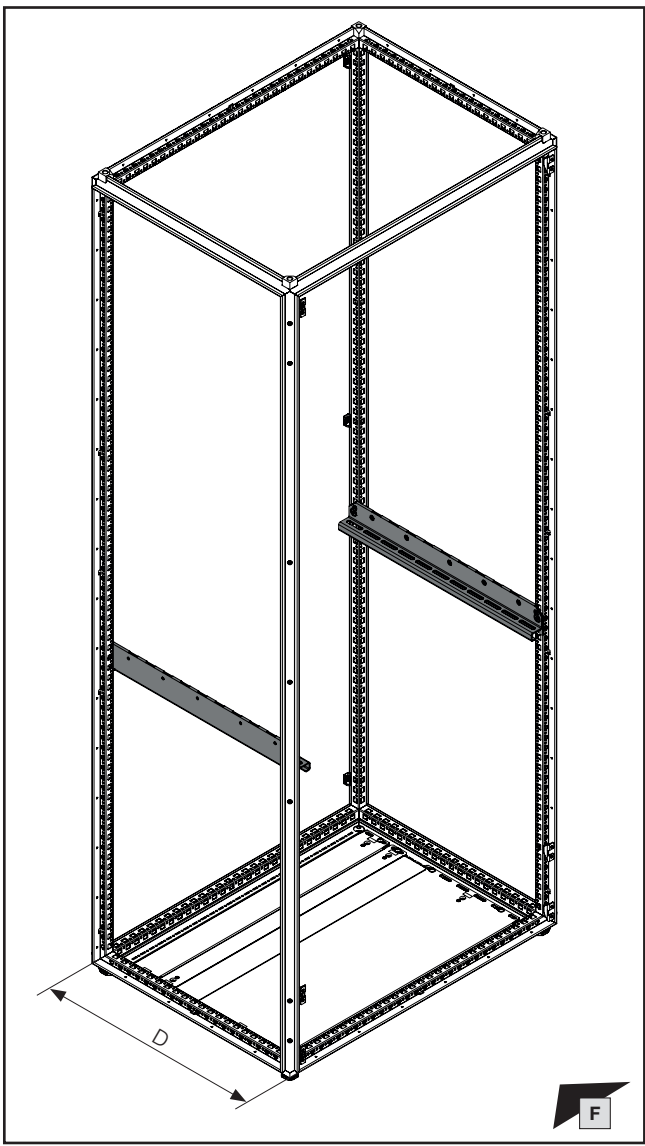
Option: Basic enclosure from the "baying enclosure system VX25" product selection.

Option : armoire électrique juxtaposable VX25 classique.



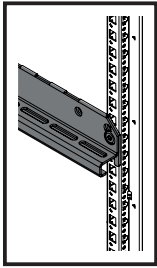
1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.3 Vorbereitung Tragschiene Leistungsschalter
- 1.3 Preparing the support rail for the ACB
- 1.3 Préparation du rail porteur pour disjoncteur de puissance



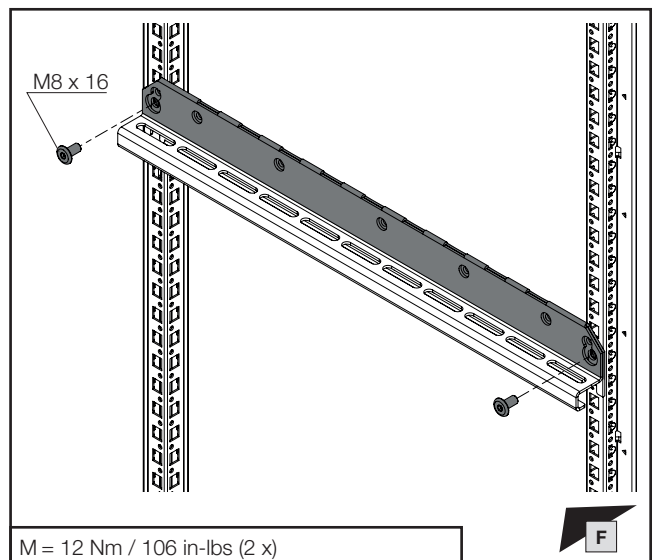
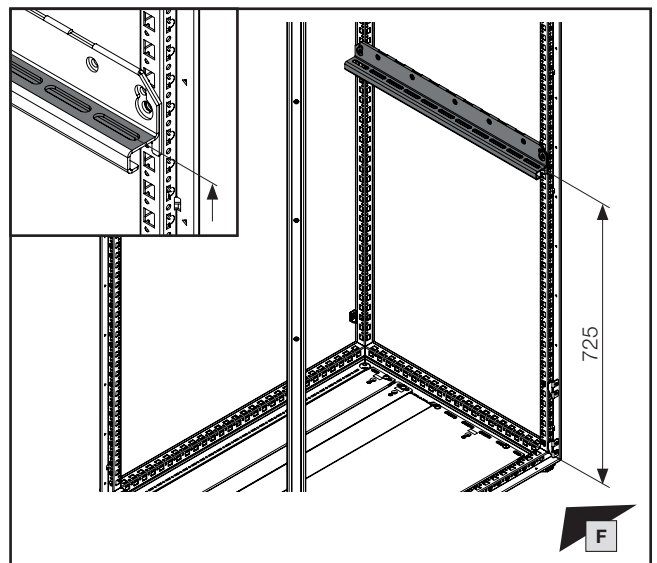
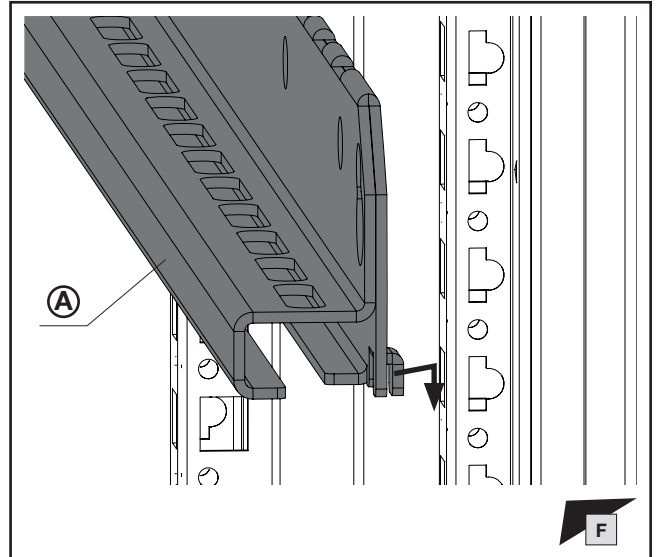
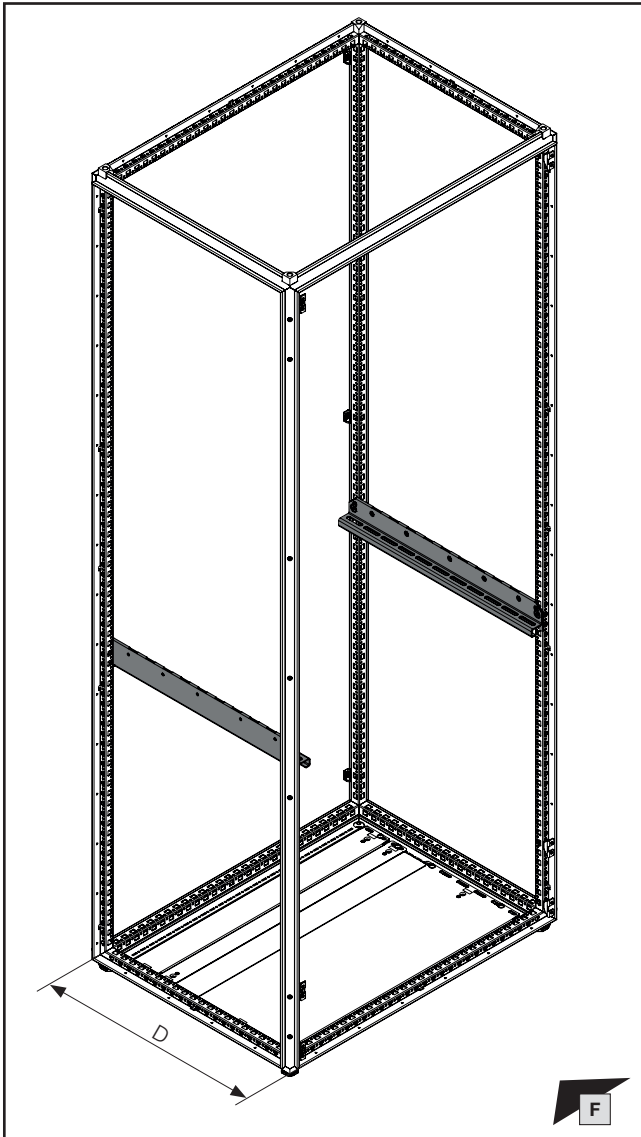
Hinweis / Note / Remarque
 Arbeitsschritte notwendig für größte Belastung der Tragschienen. Einlegezettel beachten!
 Steps required for maximum loading of the support rails. Observe the instruction sheet!
 Étapes requises pour une charge maximale des rails porteurs. Respecter les fiches jointes !

D mm	(A) Best.-Nr. Model No. Référence
600	9683.326
800	9683.328



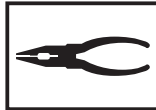
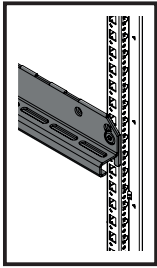
- 1. Montage 4-poliges HSS
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- 1.3 Vorbereitung Tragschiene Leistungsschalter
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- 1.3 Préparation du rail porteur pour disjoncteur de puissance



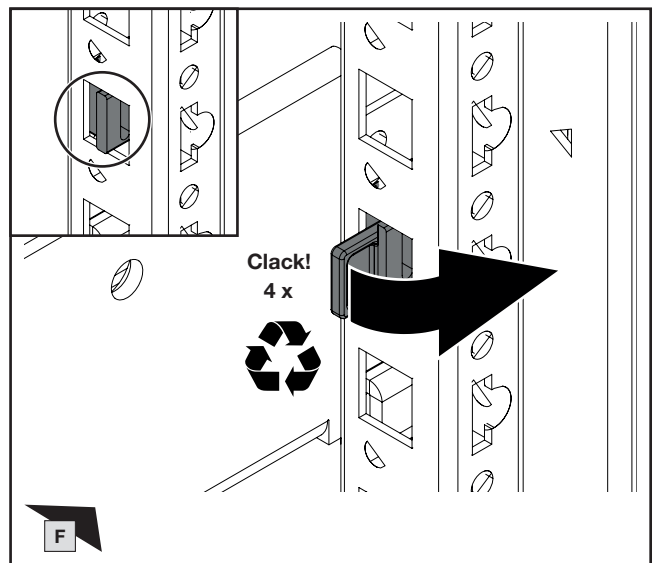
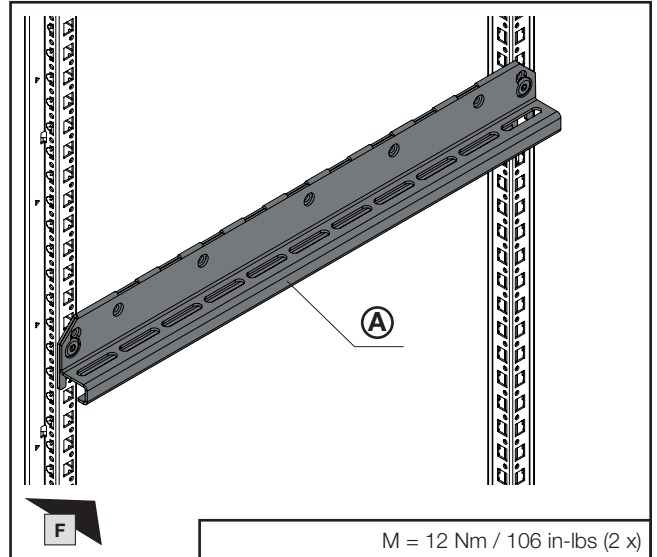
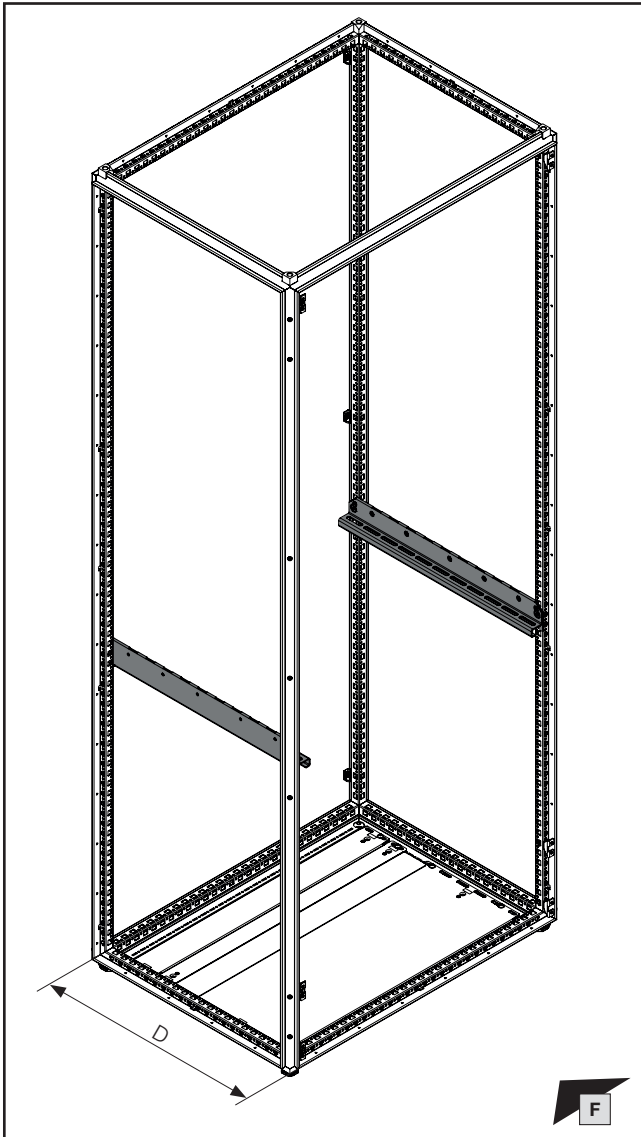
M = 12 Nm / 106 in-lbs (2 x)

D mm	(A) Best.-Nr. Model No. Référence
600	9683.326
800	9683.328



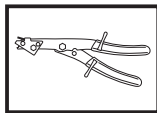
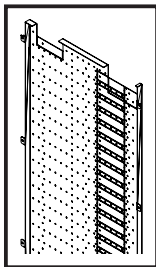
1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.3 Vorbereitung Tragschiene Leistungsschalter
 1.3 Preparing the support rail for the ACB
 1.3 Préparation du rail porteur pour disjoncteur de puissance



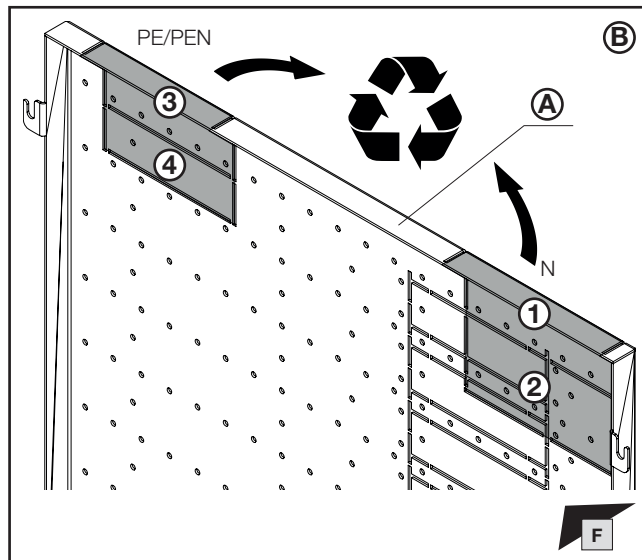
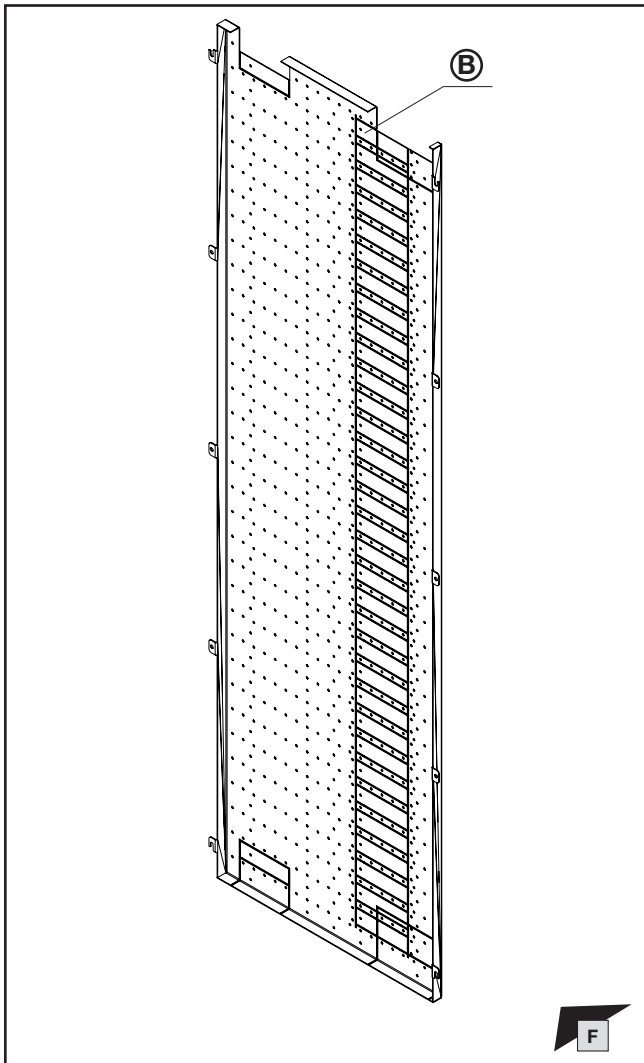
Hinweis / Note / Remarque
 Vollständige Montage des offenen Leistungsschalters:
 siehe Kapitel 1.11.
 Full installation of the air circuit-breaker: see chapter 1.11.
 Montage complet du disjoncteur de puissance : voir chapitre 1.11.

D mm	(A) Best.-Nr. Model No. Référence
600	9683.326
800	9683.328



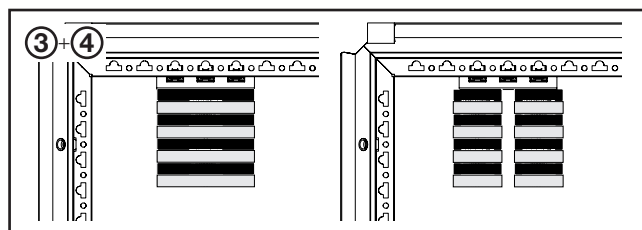
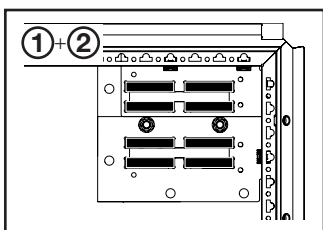
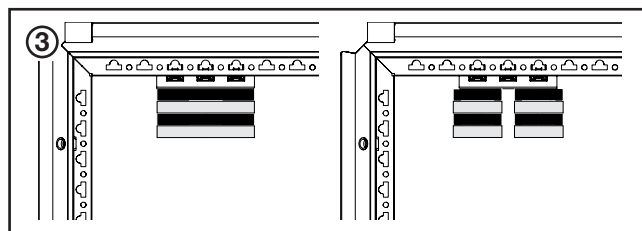
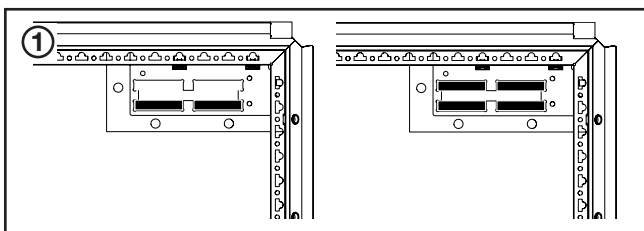
1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

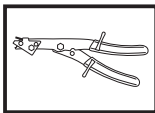
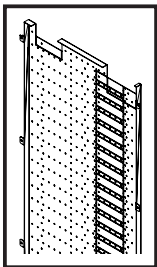
- 1.4 Vorbereitung Funktionsraum-Seitenwand / Ausbrüche N und PE
- 1.4 Preparing the compartment side panel / N and PE cut-outs
- 1.4 Préparation du panneau latéral de compartiment fonctionnel / découpes Neutre et Terre



H x D mm	siehe Seite 14 see page 14 voir page 14	A Best.-Nr. Model No. Référence
2000 x 600		9683.016
2000 x 800		9683.018
2200 x 600		9683.036
2200 x 800		9683.038

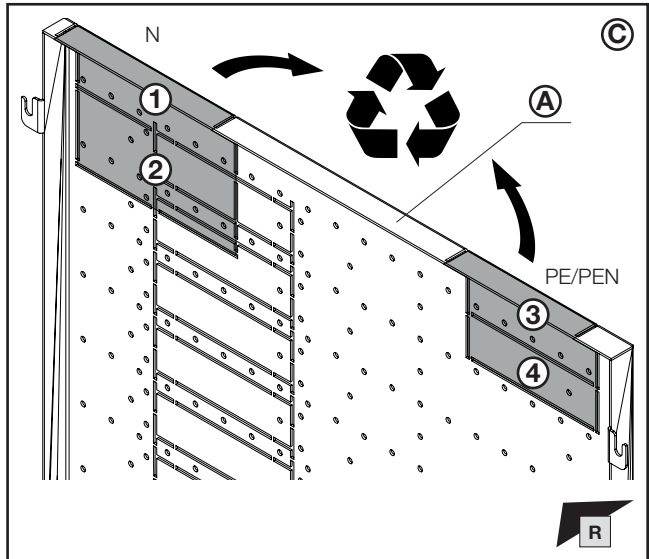
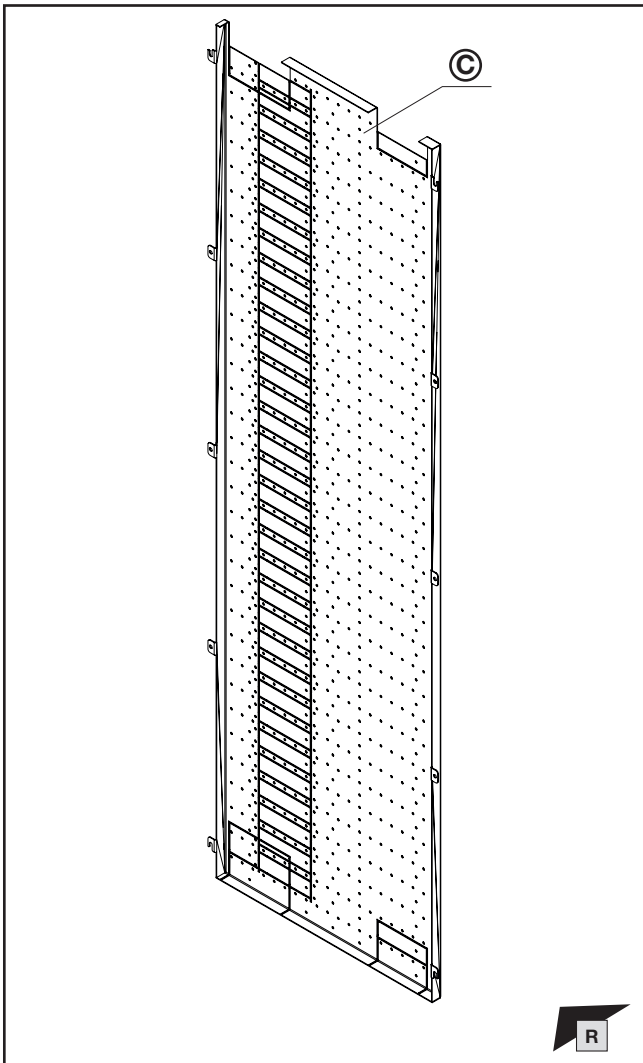
max.		①	②	③	④
2 x 50 x 10	N	✓	✗	✗	✗
4 x 50 x 10	N	✓	✗	✗	✗
8 x 50 x 10	N	✓	✓	✗	✗
2 x 80 x 10	PE/PEN	✗	✗	✓	✗
4 x 40 x 10	PE/PEN	✗	✗	✓	✗
4 x 80 x 10	PE/PEN	✗	✗	✓	✓
8 x 40 x 10	PE/PEN	✗	✗	✓	✓





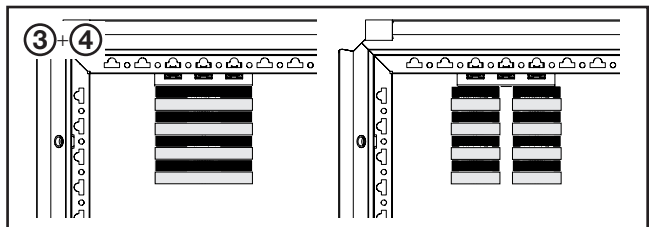
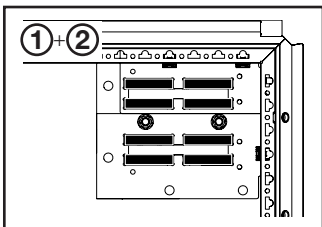
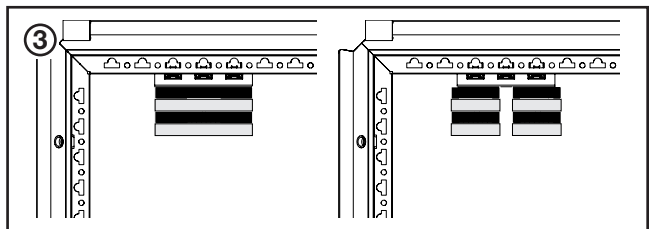
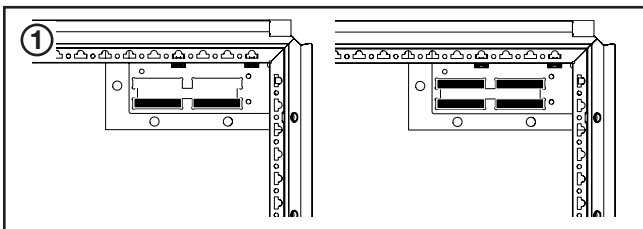
1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

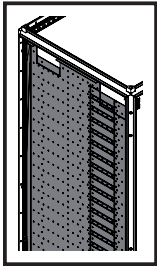
- 1.4 Vorbereitung Funktionsraum-Seitenwand / Ausbrüche N und PE
- 1.4 Preparing the compartment side panel / N and PE cut-outs
- 1.4 Préparation du panneau latéral de compartiment fonctionnel / découpes Neutre et Terre



H x D mm	siehe Seite 12 see page 12 voir page 12	A Best.-Nr. Model No. Référence
2000 x 600		9683.016
2000 x 800		9683.018
2200 x 600		9683.036
2200 x 800		9683.038

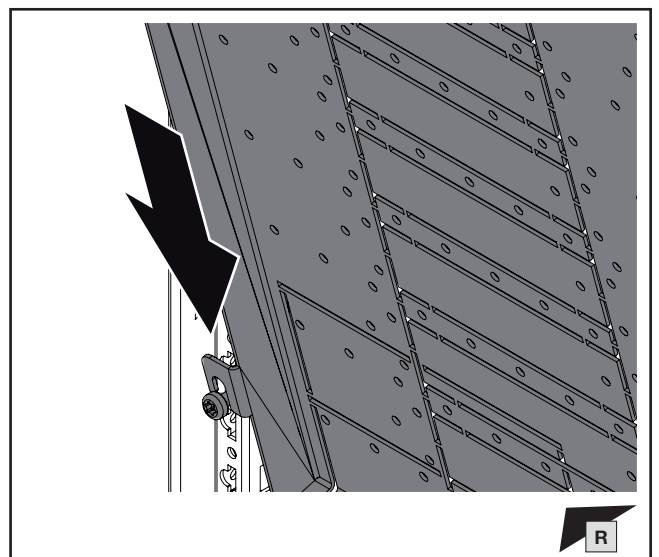
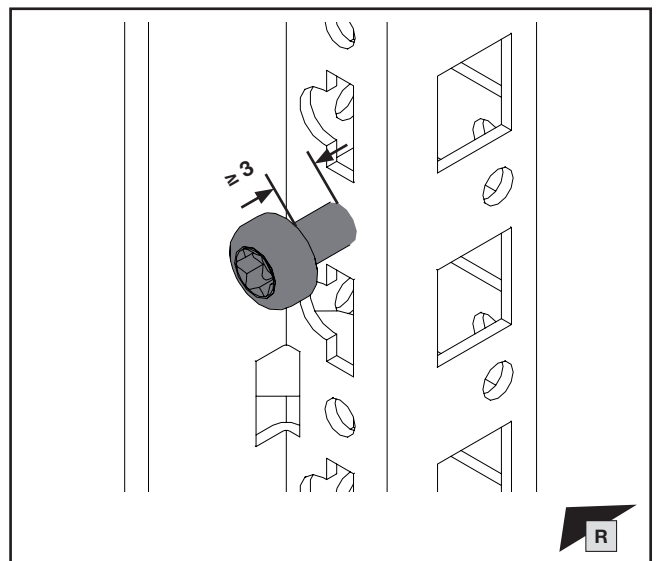
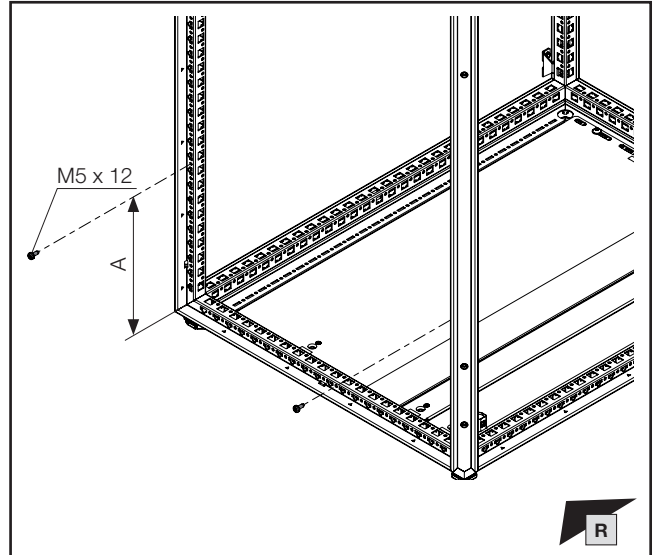
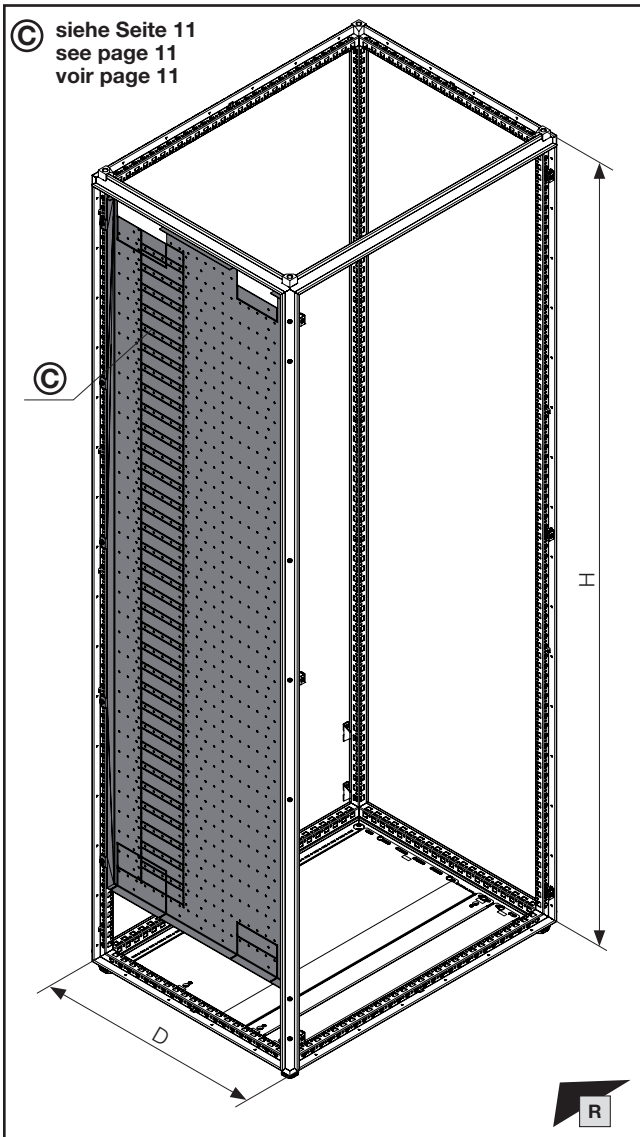
max.		①	②	③	④
2 x 50 x 10	N	✓	✗	✗	✗
4 x 50 x 10	N	✓	✗	✗	✗
8 x 50 x 10	N	✓	✓	✗	✗
2 x 80 x 10	PE/PEN	✗	✗	✓	✗
4 x 40 x 10	PE/PEN	✗	✗	✓	✗
4 x 80 x 10	PE/PEN	✗	✗	✓	✓
8 x 40 x 10	PE/PEN	✗	✗	✓	✓



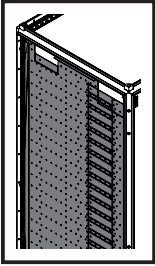


1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.5 Montage rechte Funktionsraum-Seitenwand
 1.5 Fitting the right compartment side panel
 1.5 Montage du panneau latéral de compartiment fonctionnel à droite



H x D mm	A mm	Best.-Nr. Model No. Référence
2000 x 600	231	9683.016
2000 x 800	231	9683.018
2200 x 600	281	9683.036
2200 x 800	281	9683.038



TX30

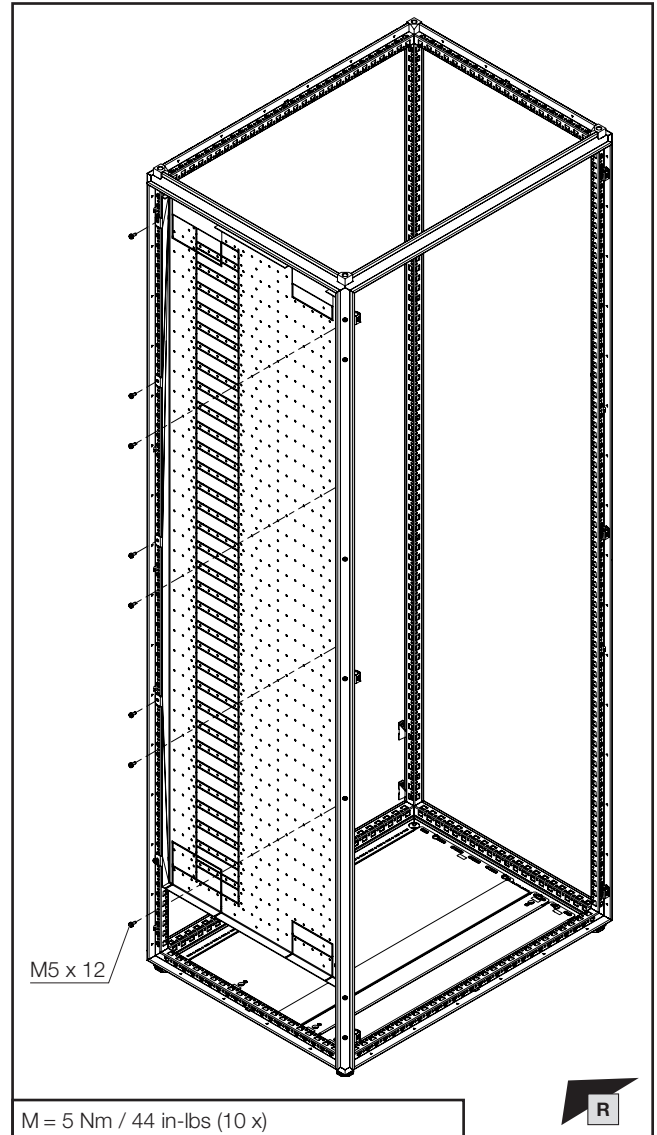
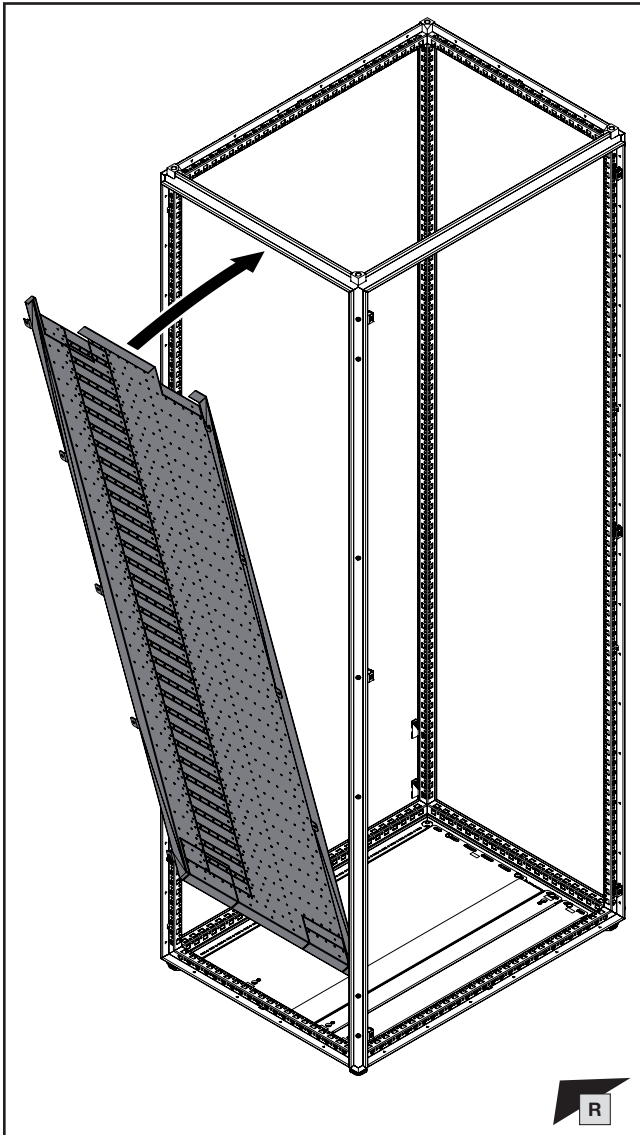


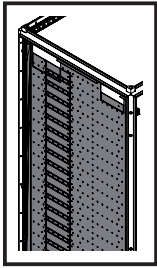
DE EN FR



1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

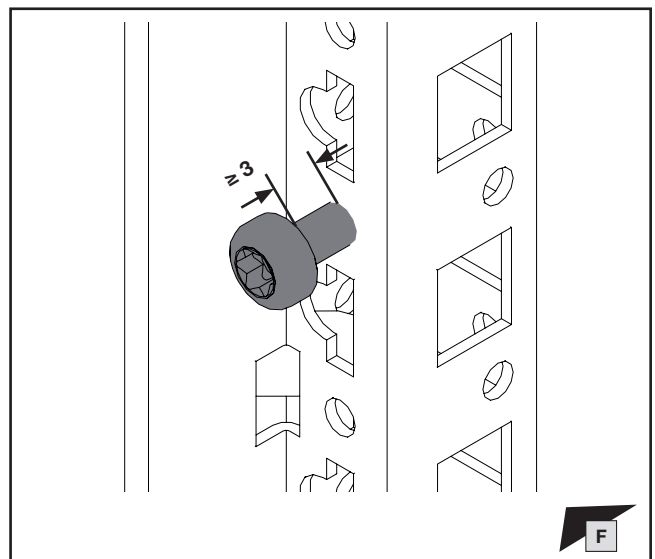
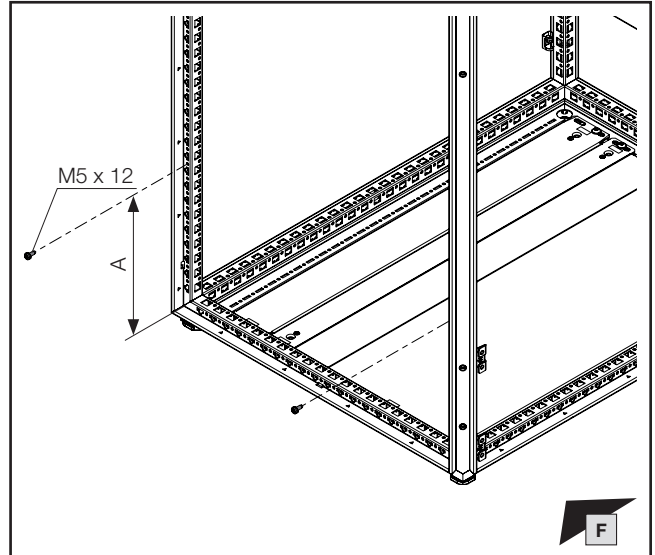
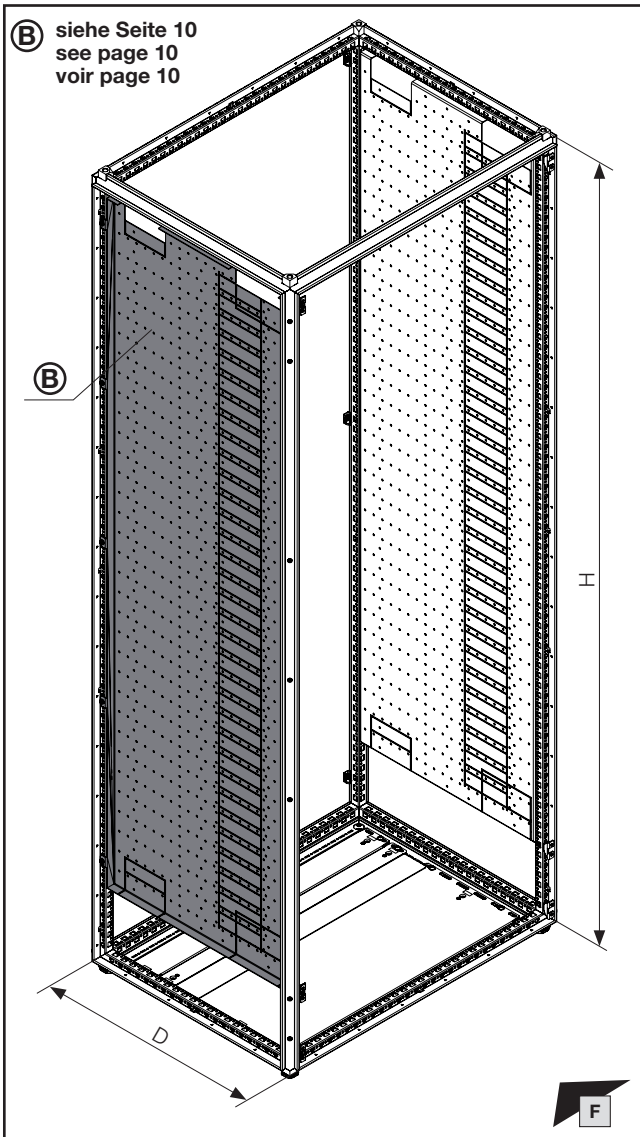
- 1.5 Montage rechte Funktionsraum-Seitenwand
- 1.5 Fitting the right compartment side panel
- 1.5 Montage du panneau latéral de compartiment fonctionnel à droite



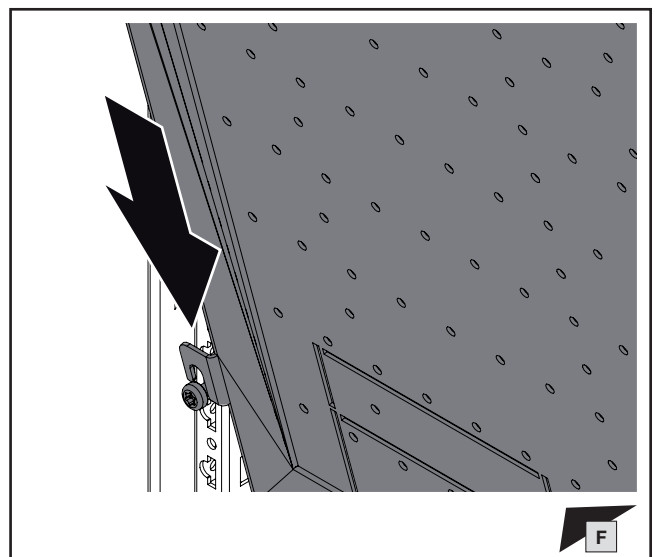


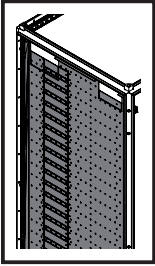
1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.6 Montage linke Funktionsraum-Seitenwand
 1.6 Fitting the left compartment side panel
 1.6 Montage du panneau latéral de compartiment fonctionnel à gauche



H x D mm	A mm	Best.-Nr. Model No. Référence
2000 x 600	231	9683.016
2000 x 800	231	9683.018
2200 x 600	281	9683.036
2200 x 800	281	9683.038





TX30

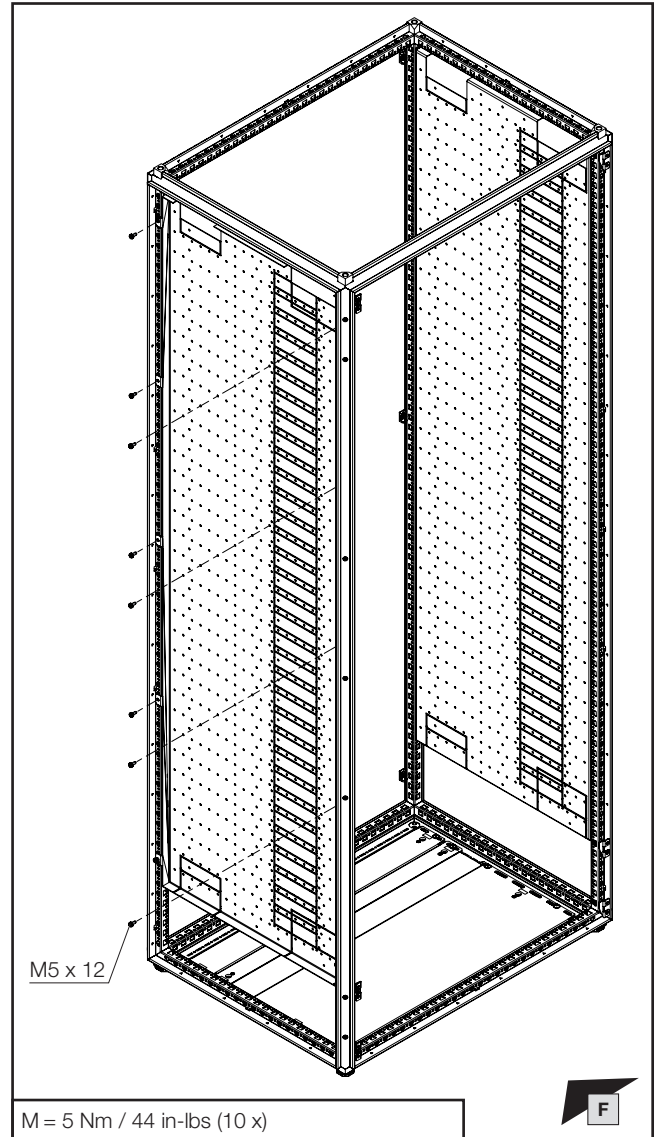
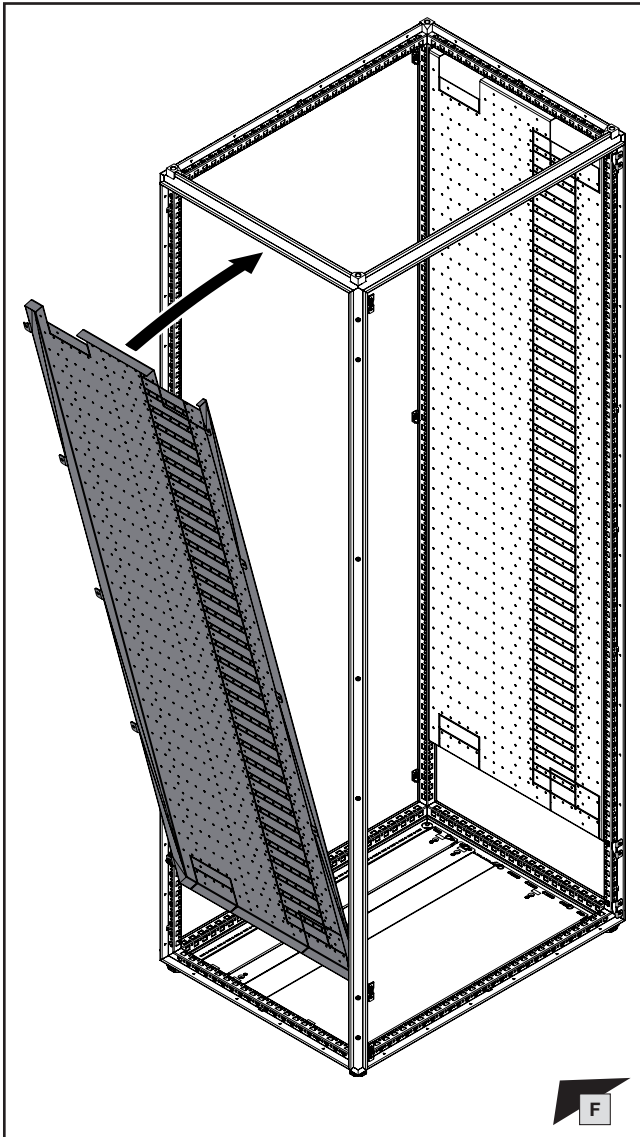


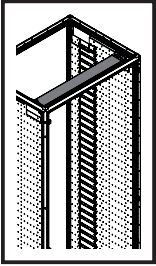
DE EN FR



1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

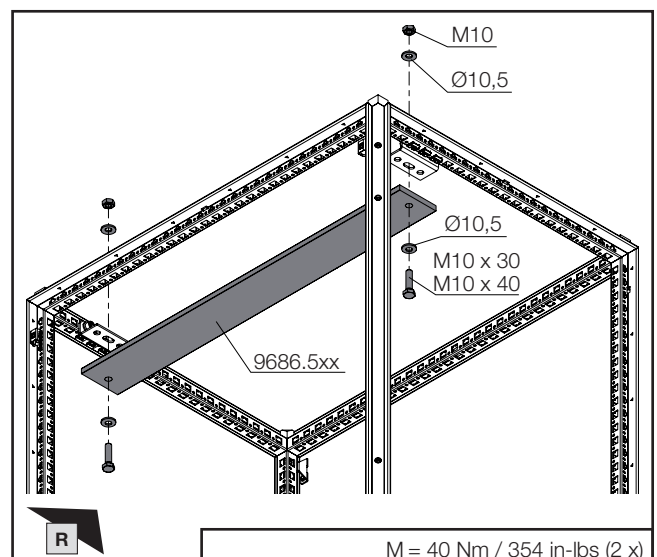
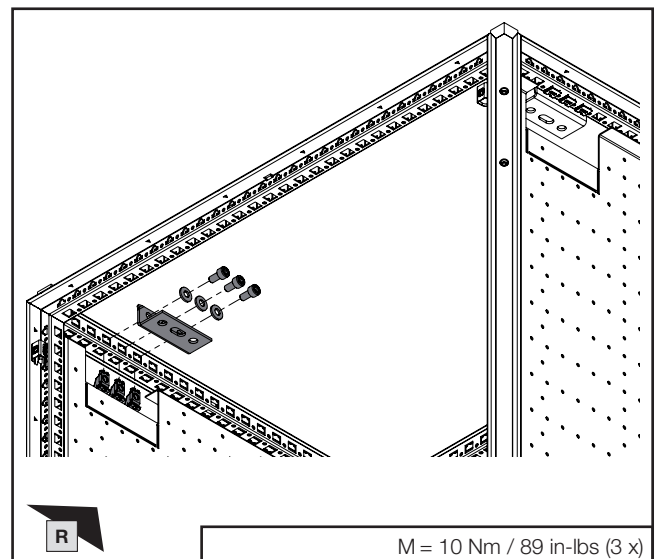
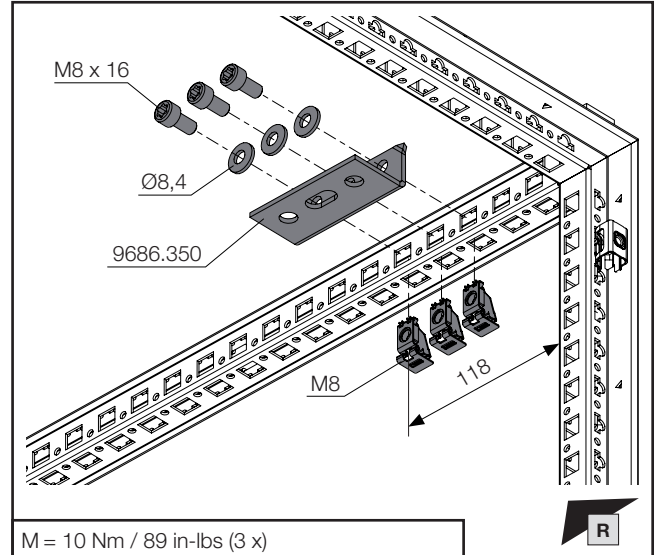
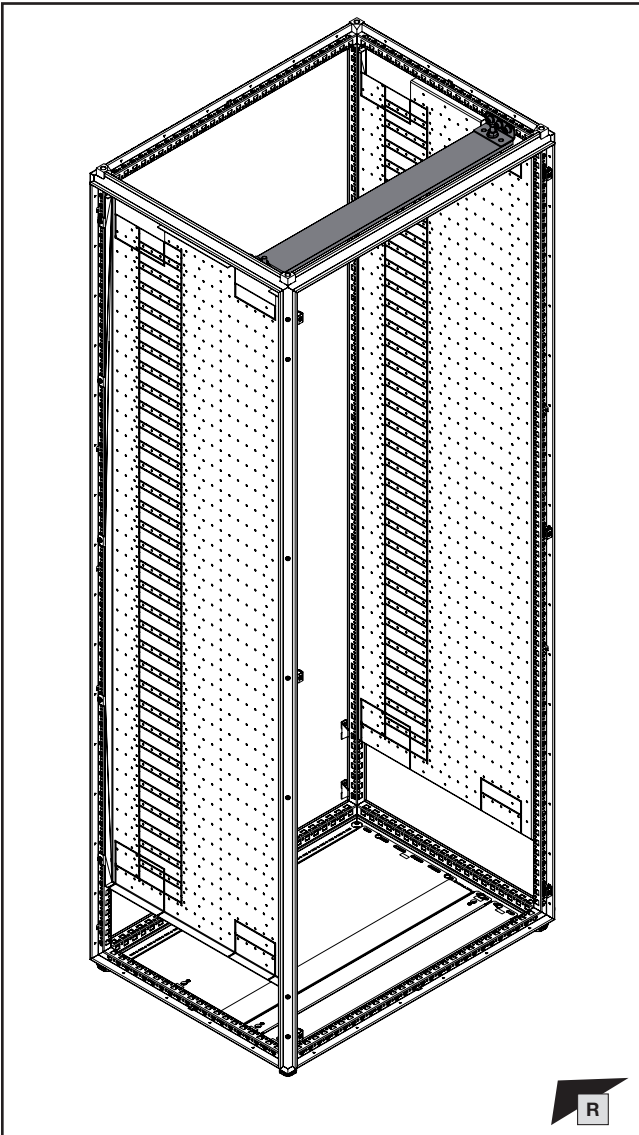
- 1.6 Montage linke Funktionsraum-Seitenwand
- 1.6 Fitting the left compartment side panel
- 1.6 Montage du panneau latéral de compartiment fonctionnel à gauche





1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.7 Montage des PE-/PEN-Sammelschienensystems
- 1.7 Fitting the PE/PEN busbar system
- 1.7 Montage des jeux de barres Terre / Terre-Neutre



Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System

Assembly instructions VX25 Ri4Power – Switchgear and power distribution system

Notice de montage VX25 Ri4Power – Distribution de courant

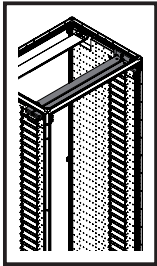
DE/EN/FR

Schranksystem VX25 – Technische Dokumentation – Schutzleiteranschluss, Strombelastbarkeit

VX25 Enclosure System – Technical documentation – PE conductor connection, current carrying capacity

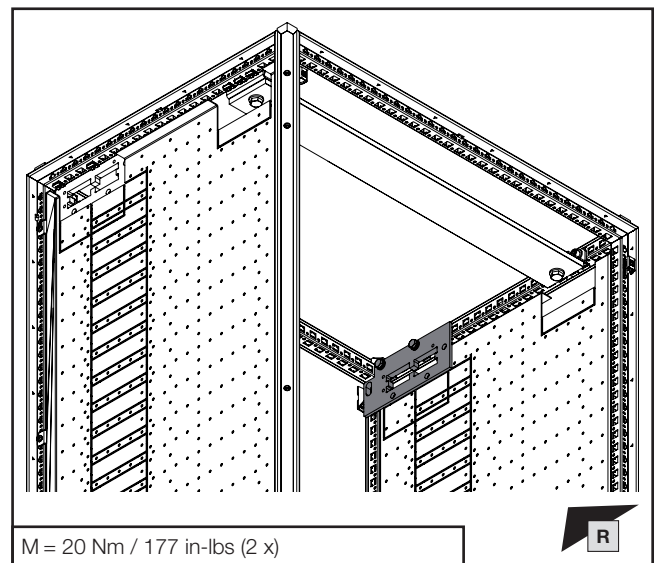
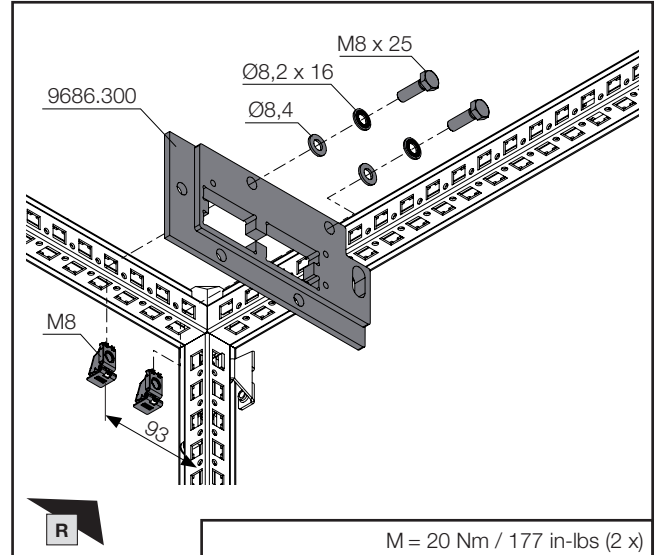
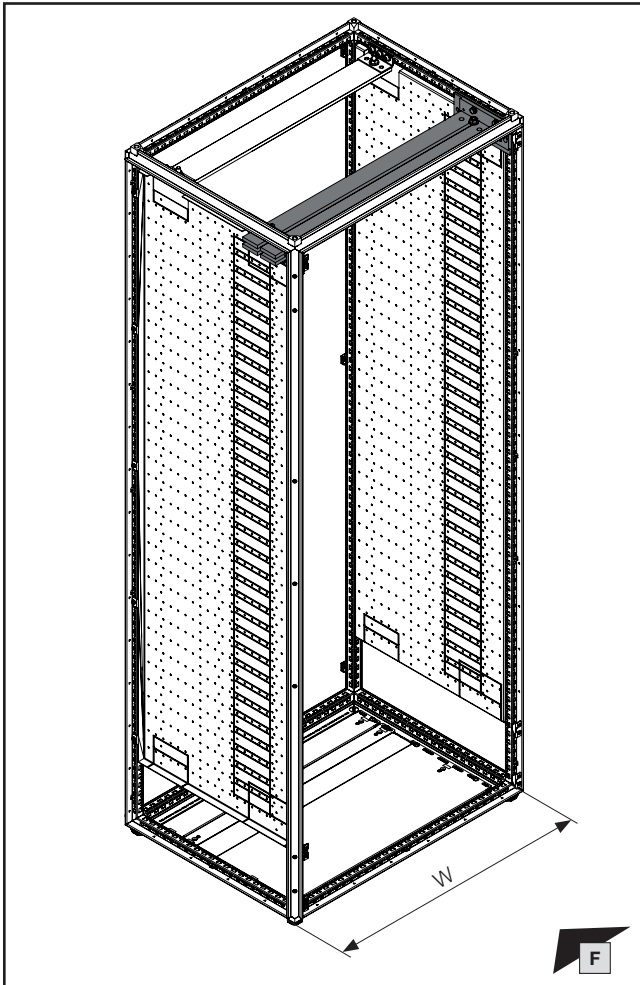
Armoires électriques VX25 – Manuel technique – Raccordement de mise à la terre et intensités maximales admissibles

DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.8 Montage des N-Sammelschienensystems
- 1.8 Fitting the N busbar system
- 1.8 Montage des jeux de barres Neutre



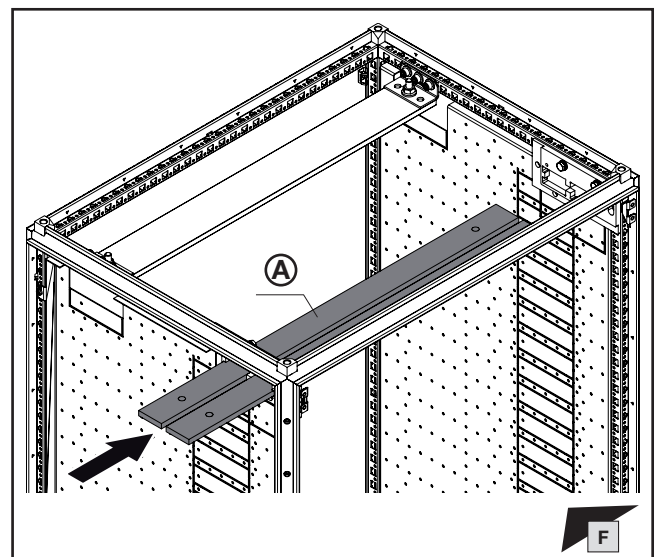
W mm	(A) Best.-Nr. Model No. Référence
400	9684.004
600	9684.006
800	9684.008
1000	9684.010
1200	9684.012

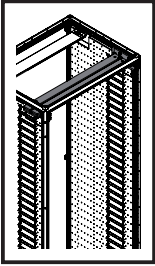
Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System

Assembly instructions VX25 Ri4Power – Switchgear and power distribution system

Notice de montage VX25 Ri4Power – Distribution de courant

DE/EN/FR



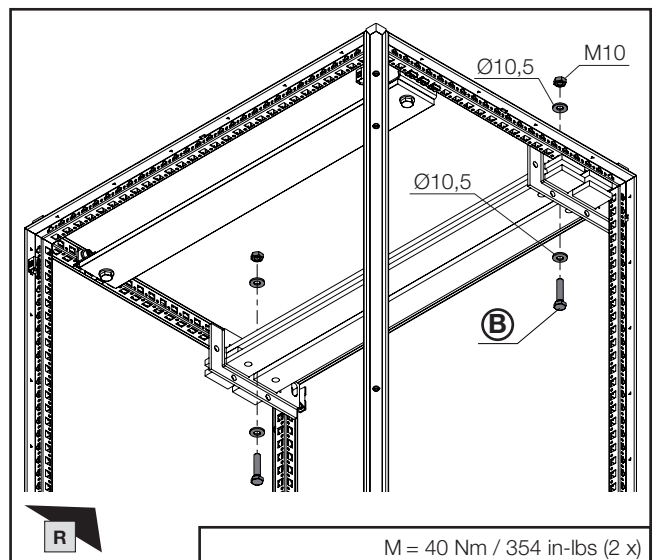
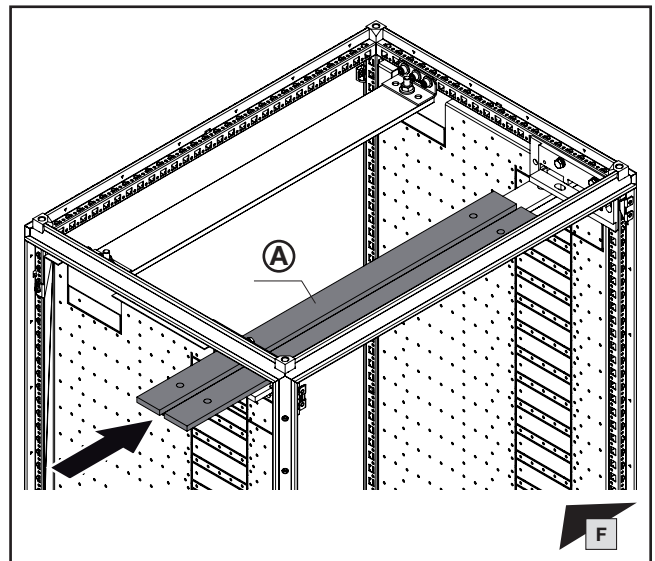
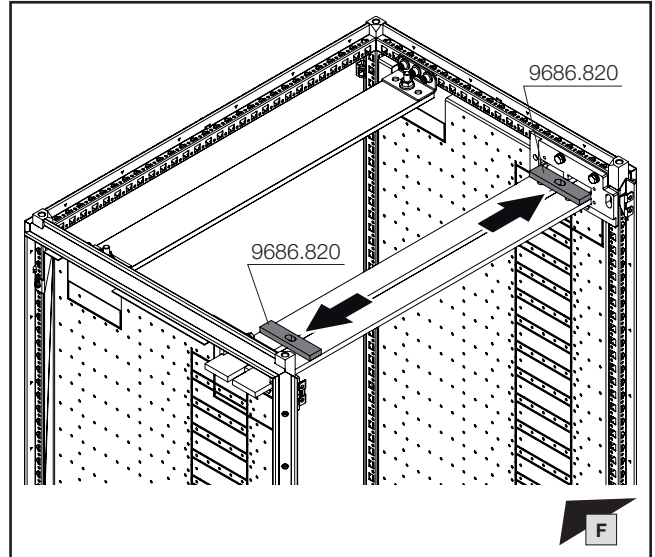
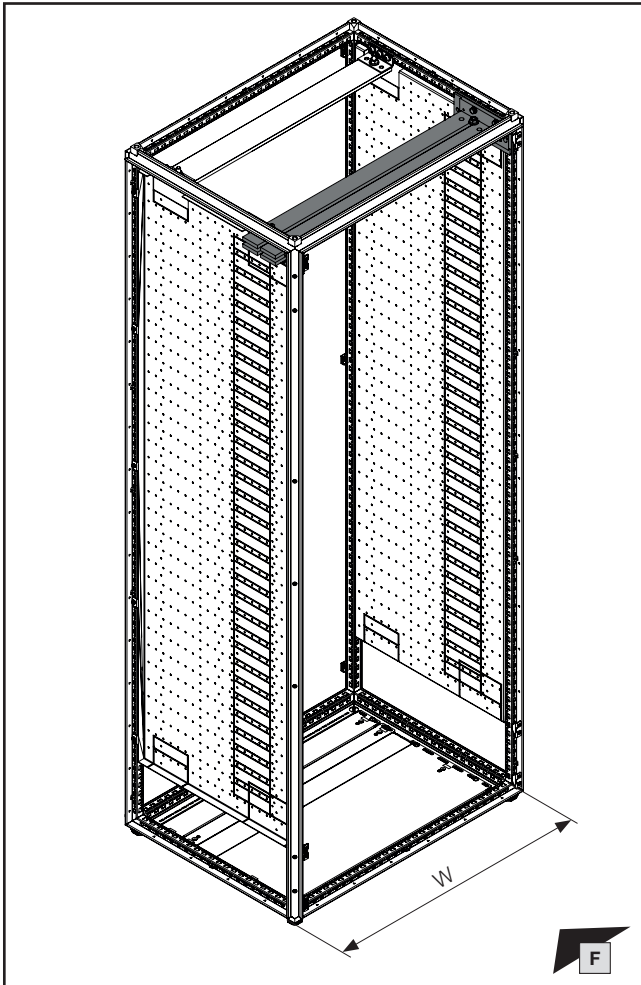


SW16/
SW17



1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

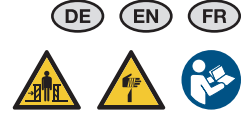
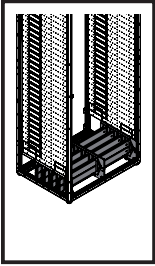
- 1.8 Montage des N-Sammelschienensystems
 1.8 Fitting the N busbar system
 1.8 Montage des jeux de barres Neutre



W mm	(A) Best.-Nr. Model No. Référence
400	9684.004
600	9684.006
800	9684.008
1000	9684.010
1200	9684.012

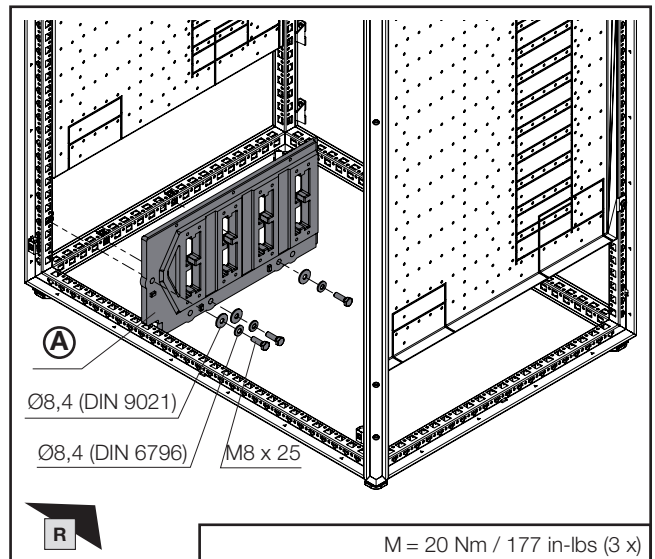
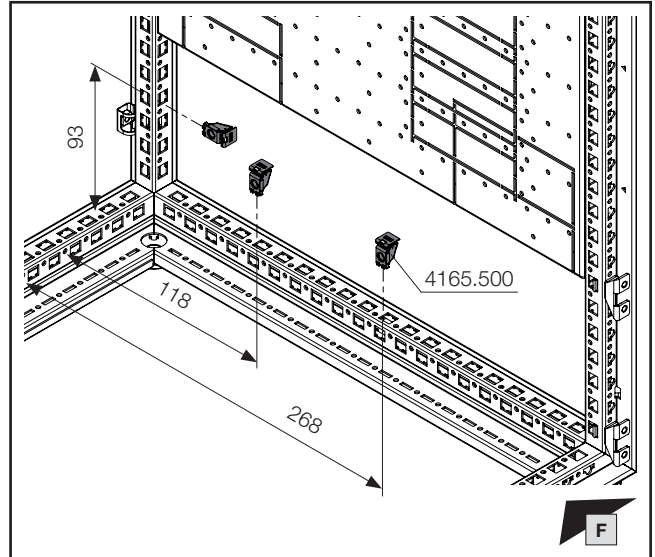
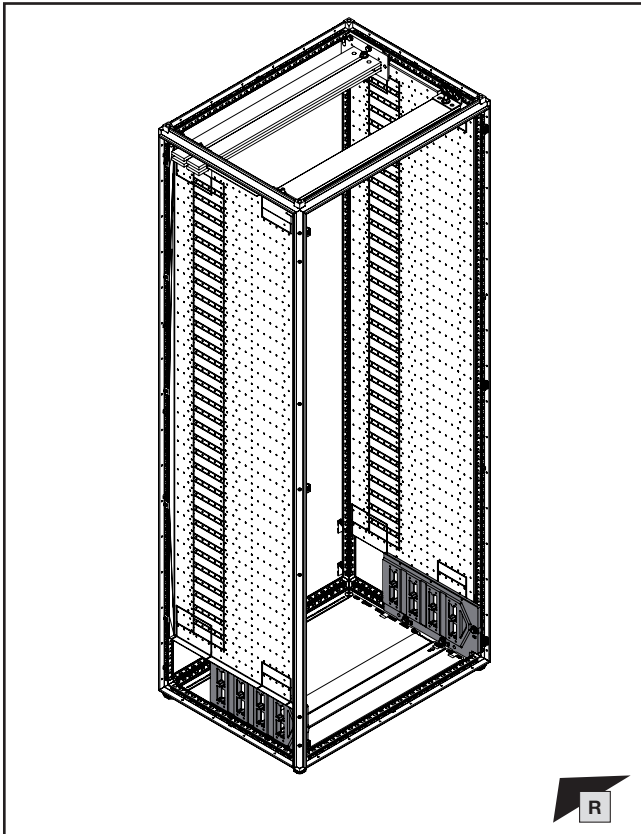
Anzahl N-Sammelschienen Quantity N busbars Nombre des jeux de barres Neutre	(B) Best.-Nr. Model No. Référence
2	9686.830
4	9686.845

M = 40 Nm / 354 in-lbs (2 x)



1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.9 Montage des unteren Hauptschienensystems
 1.9 Fitting the lower main busbar system
 1.9 Montage des jeux de barres principaux inférieurs



Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System
 Assembly instructions VX25 Ri4Power – Switchgear and power distribution system
 Notice de montage VX25 Ri4Power – Distribution de courant

DE/EN/FR



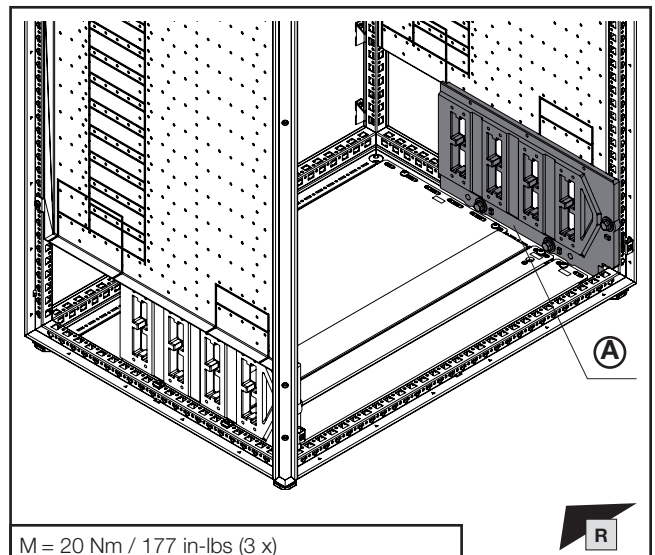
Hinweis / Note / Remarque

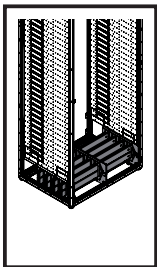
Für Schutzeigenschaft Störlichtbogenklasse B Montagerihenfolge in den entsprechenden Abschnitten der o. g. Anleitung beachten.

For arcing class B protection, please follow the assembly sequence as set out in the relevant chapters of the aforementioned assembly instructions.

Pour la protection contre les arcs électriques de catégorie B, suivez la séquence de montage indiquée dans les sections correspondantes des instructions ci-dessus.

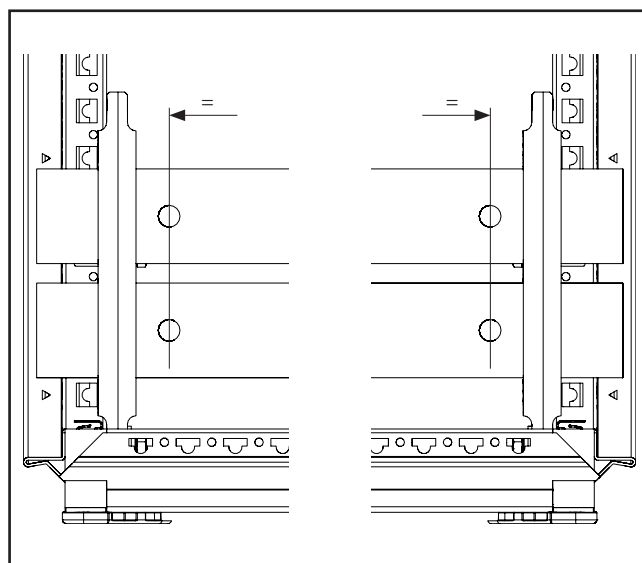
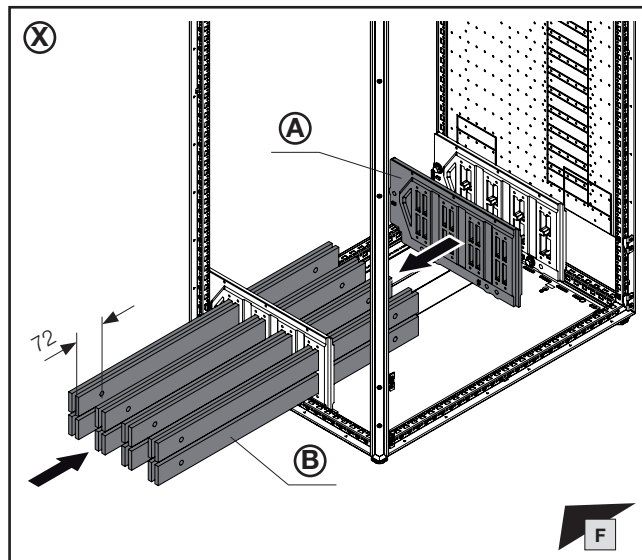
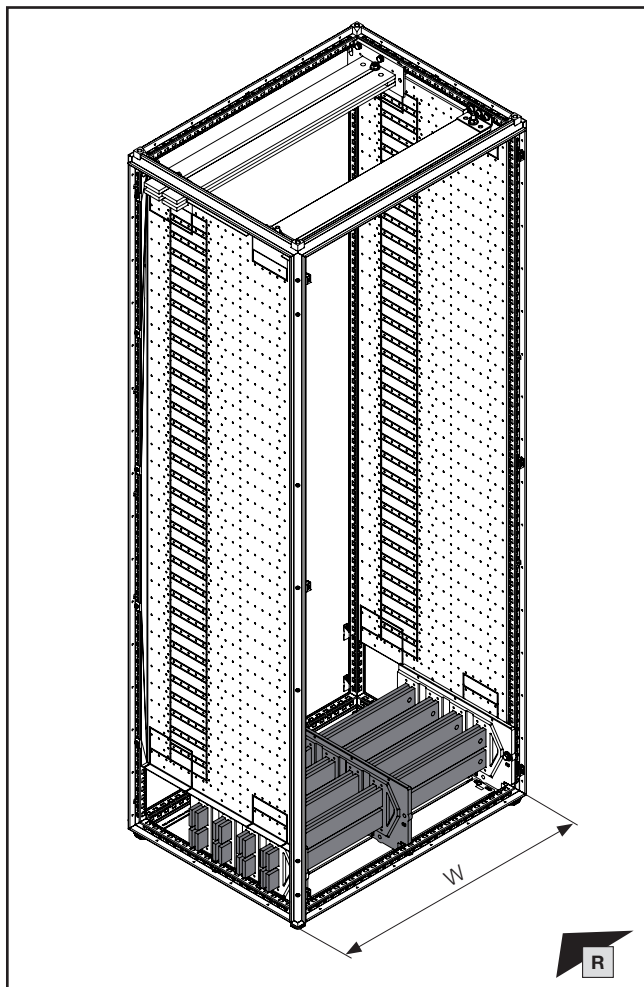
Sammelschiene Abmessung mm Busbar dimensions mm Dimensions de la barre mm	Anreihung Baying Juxtaposition	Best.-Nr. Model No. Référence
30 x 10	✓	9686.000
30 x 10	✗	9686.010
50 x 10	✓	9686.030
50 x 10	✗	9686.040





1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.9 Montage des unteren Hauptschienensystems
- 1.9 Fitting the lower main busbar system
- 1.9 Montage des jeux de barres principaux inférieurs



Sammelschiene Abmessung mm Busbar dimension mm Dimensions de la barre mm	Anreihung Baying Juxtaposition	(A) Best.-Nr. Model No. Référence
30 x 10	x	9686.010
50 x 10	x	9686.040

W mm	Sammelschiene Abmessung mm Busbar dimensions mm Dimensions de la barre mm	(B) Best.-Nr. Model No. Référence
400	50 x 10	9684.004
600	50 x 10	9684.006
800	50 x 10	9684.008
1000	50 x 10	9684.010
1200	50 x 10	9684.012
-	30 x 10	3586.005

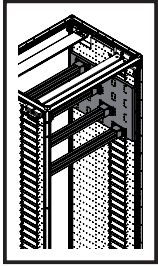


Hinweis / Note / Remarque (X)
 Der „schwimmende“ Sammelschienenhalter (A) wird abhängig von der Stromkurzschlussfestigkeit benötigt. Die Berechnung findet in der Online-Berechnungssoftware „RiPower“ statt.

The "floating" busbar support (A) may be required depending on the short-circuit resistance, which is calculated by the online calculation software "RiPower".

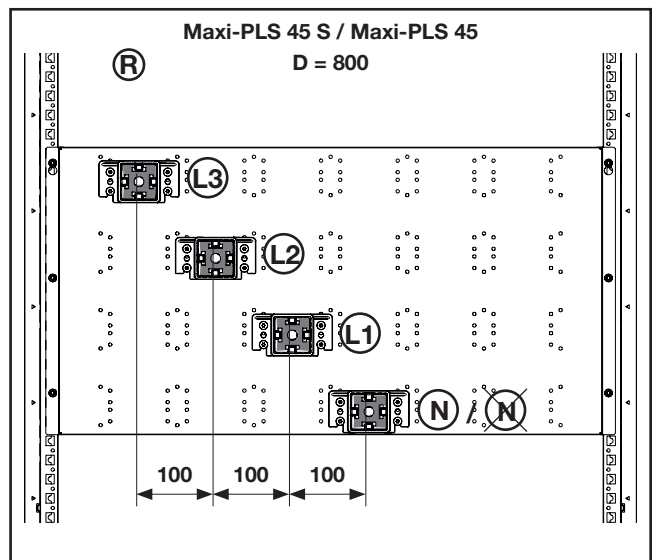
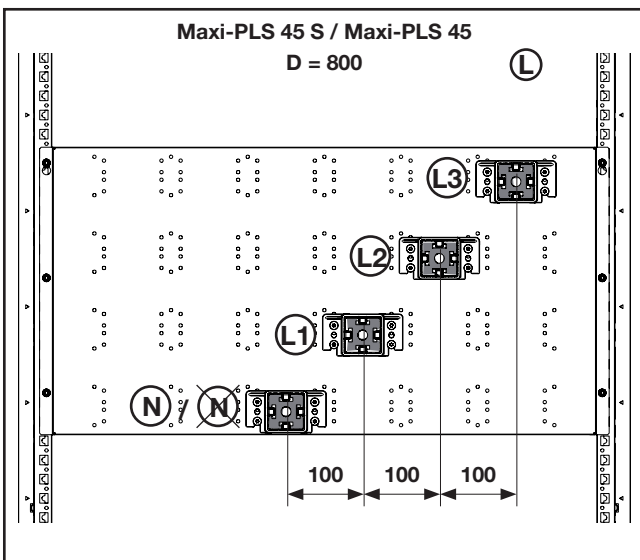
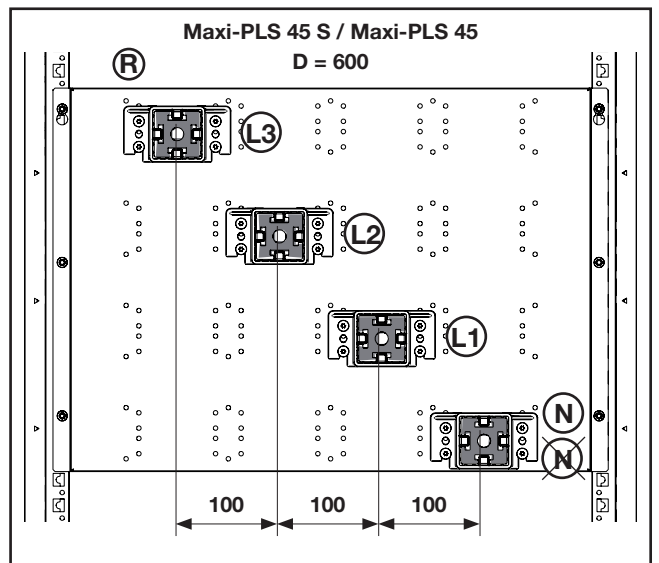
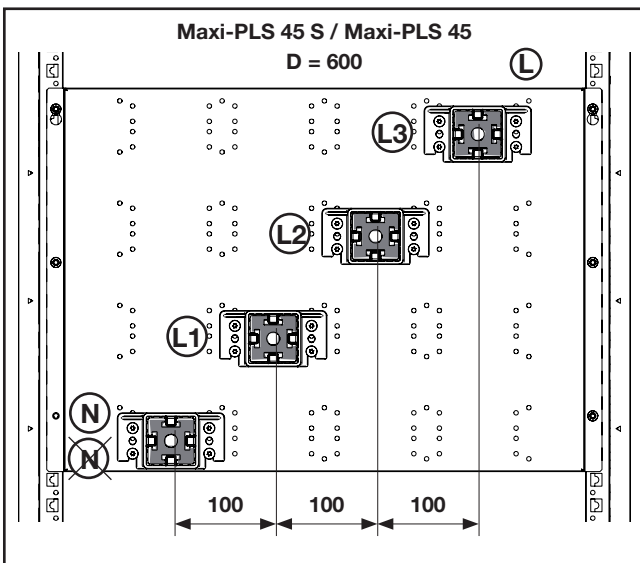
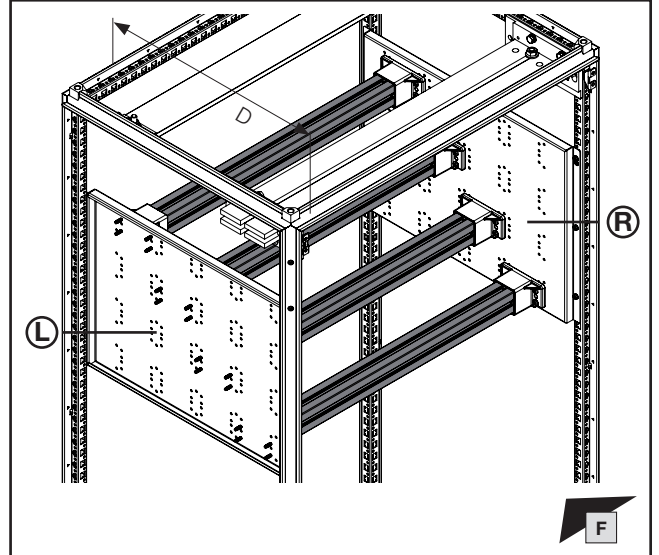
Le support de jeux de barres « flottant » (A) est requis en fonction de la résistance aux courants de courts-circuits. Le calcul est réalisé via le logiciel de calcul en ligne « RiPower ».

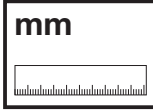
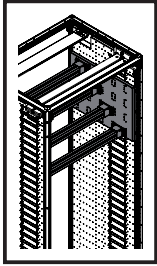




1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

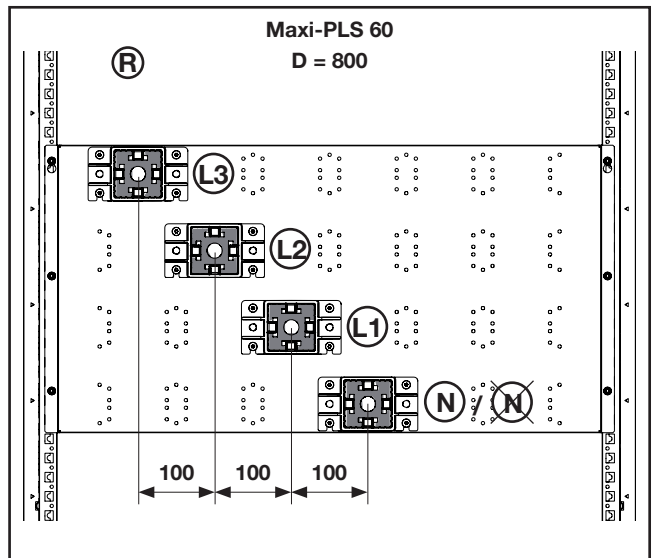
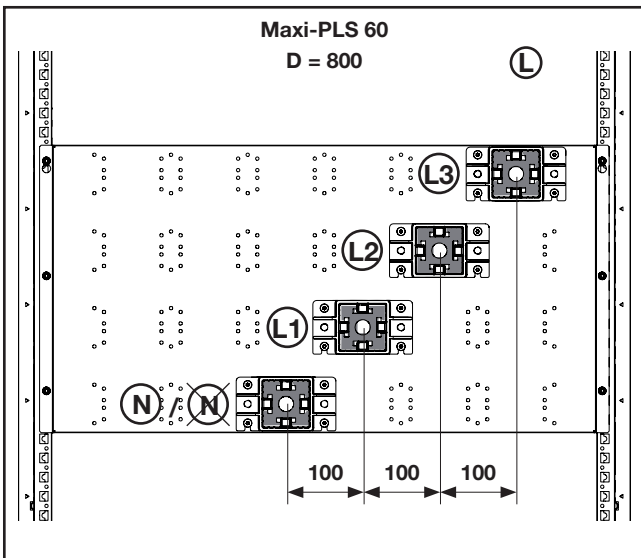
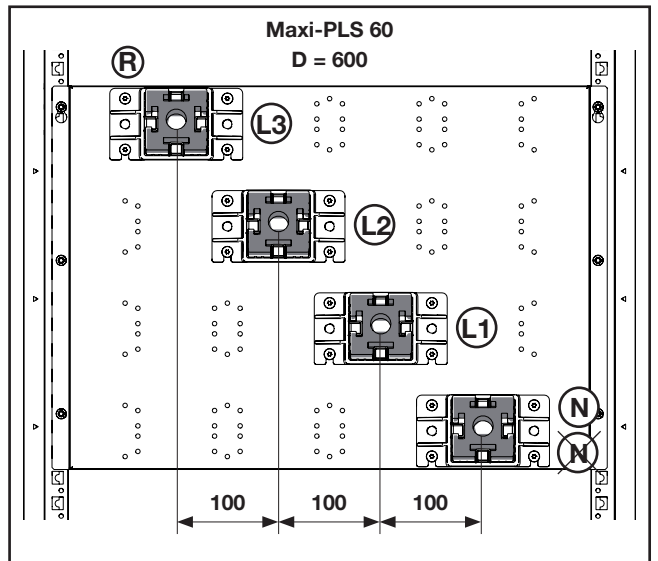
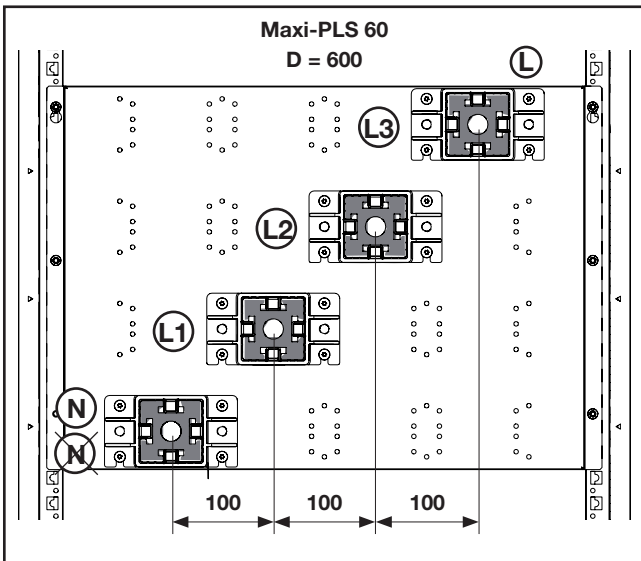
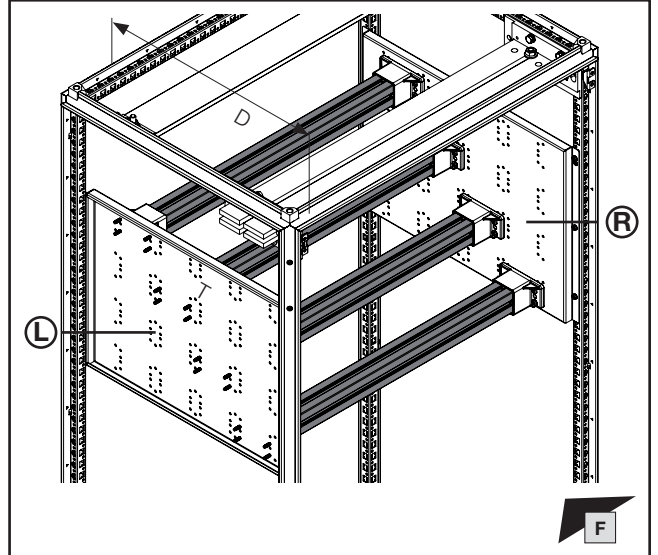
- 1.10 Montage Maxi-PLS 45 S, 45 und 60 als Kabelanschluss-system oben
- 1.10 Fitting Maxi-PLS 45 S, 45 and 60 as upper cable connection system
- 1.10 Montage Maxi-PLS 45 S, 45 et 60 comme système de raccordement des câbles dans la partie supérieure de l'armoire électrique

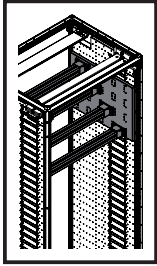




1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

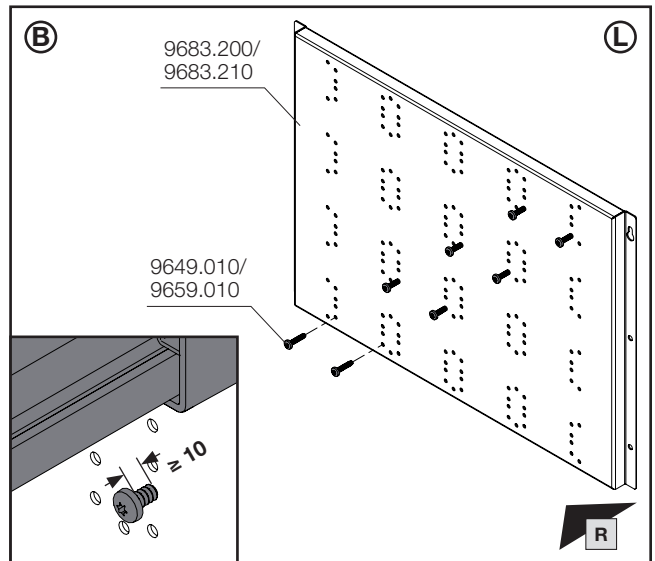
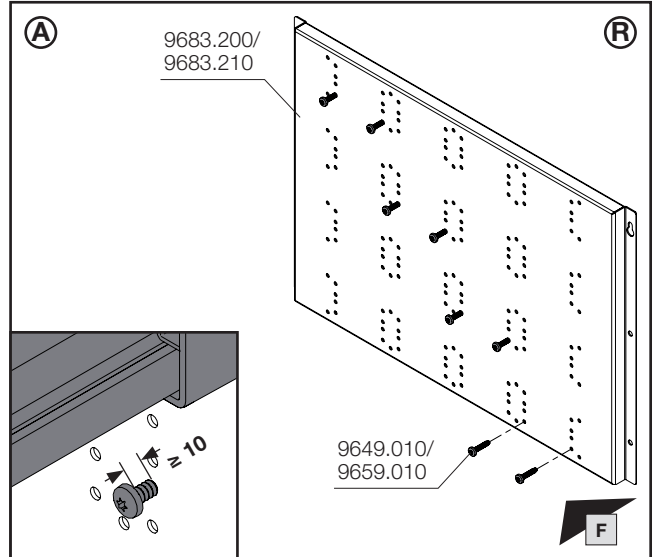
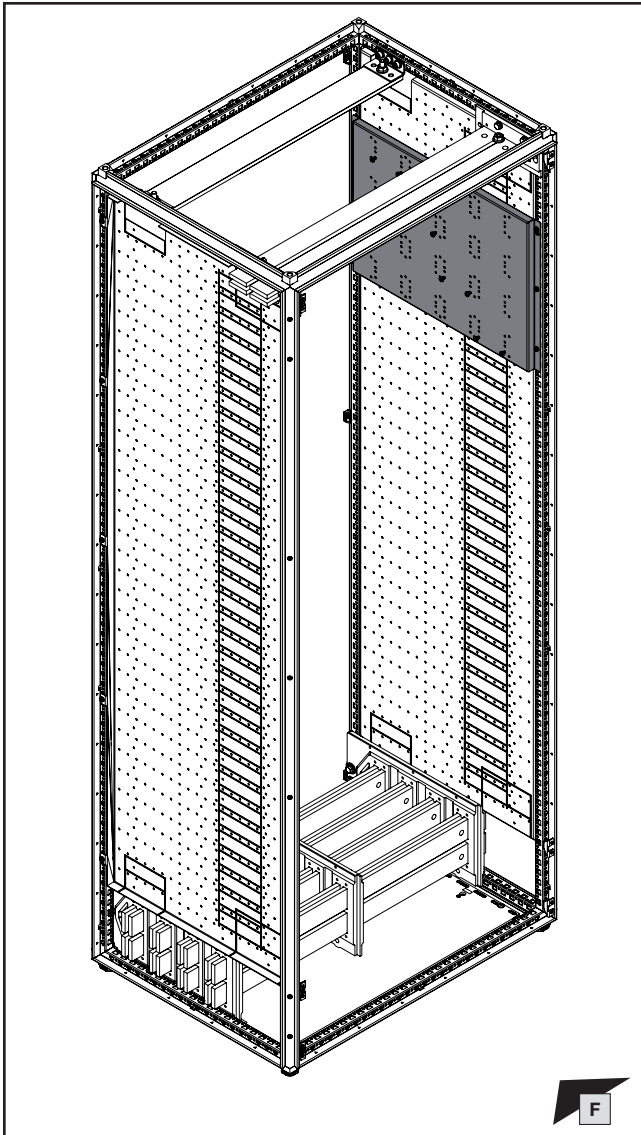
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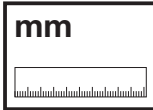
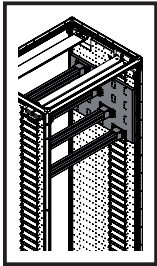




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1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

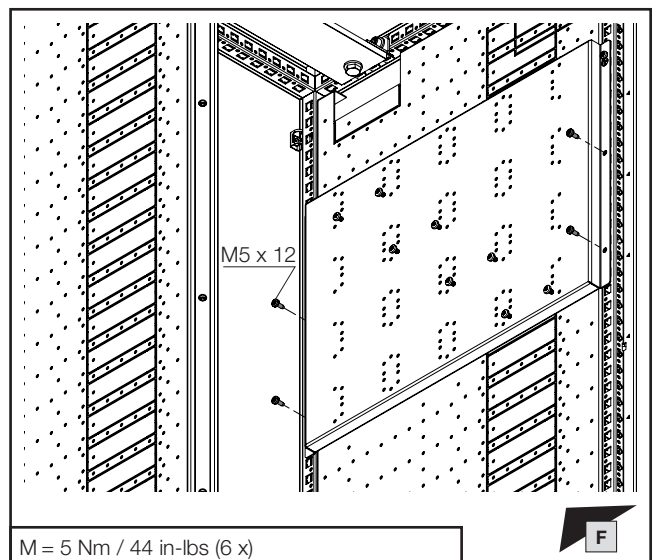
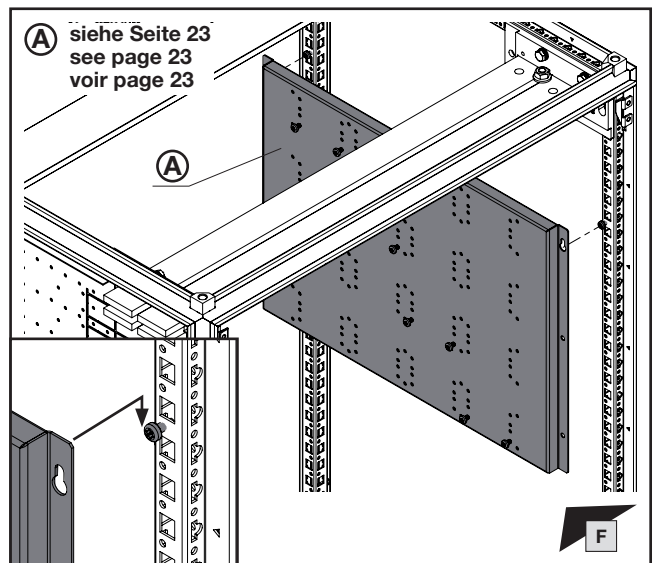
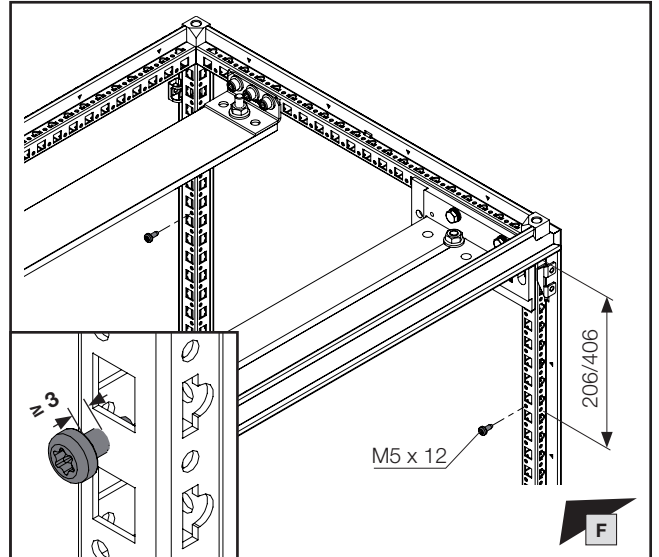
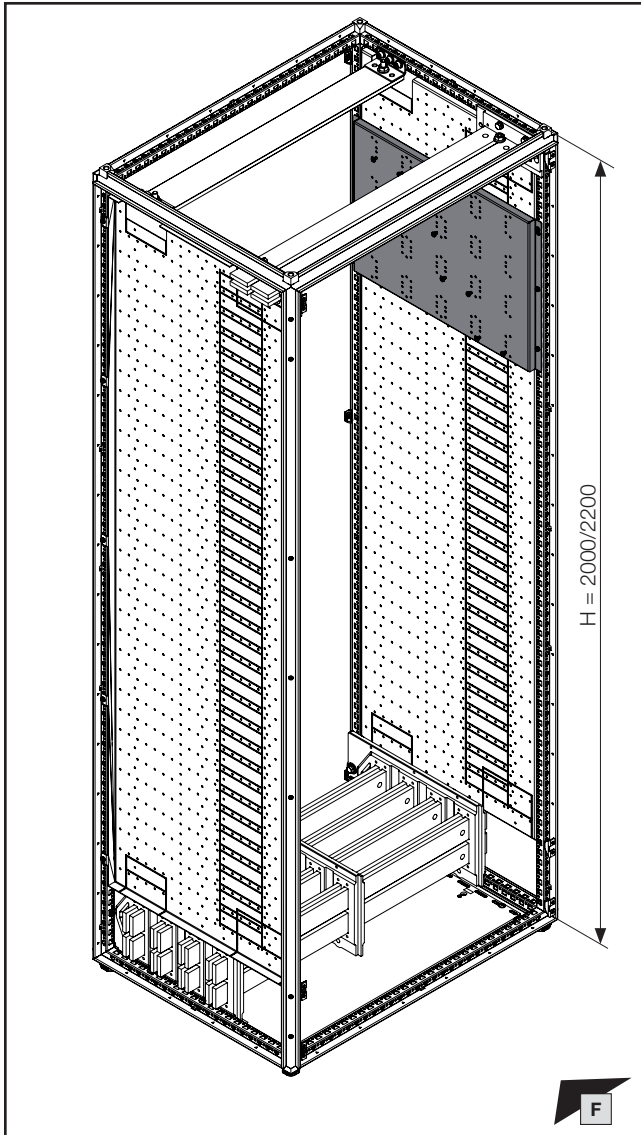
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- 1.10 Montage Maxi-PLS 45 S, 45 et 60 comme système de raccordement des câbles dans la partie supérieure de l'armoire électrique



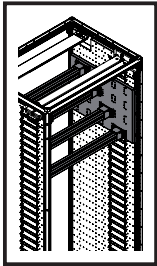


1. Montage 4-poliges HSS
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- 1.10 Montage Maxi-PLS 45 S, 45 et 60 comme système de raccordement des câbles dans la partie supérieure de l'armoire électrique



M = 5 Nm / 44 in-lbs (6 x)

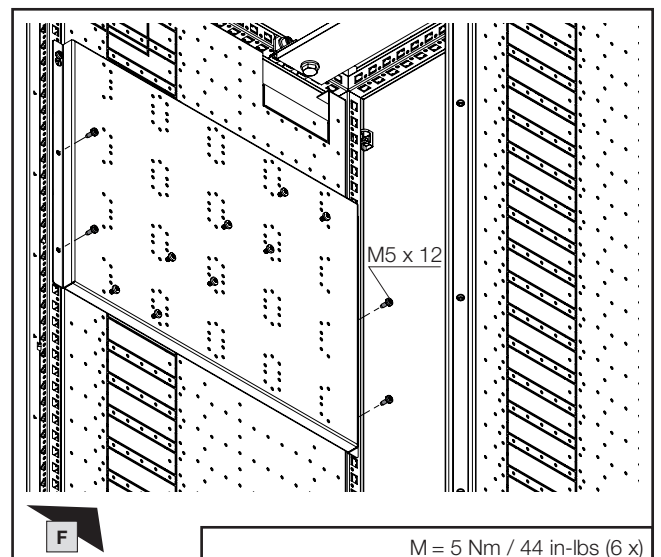
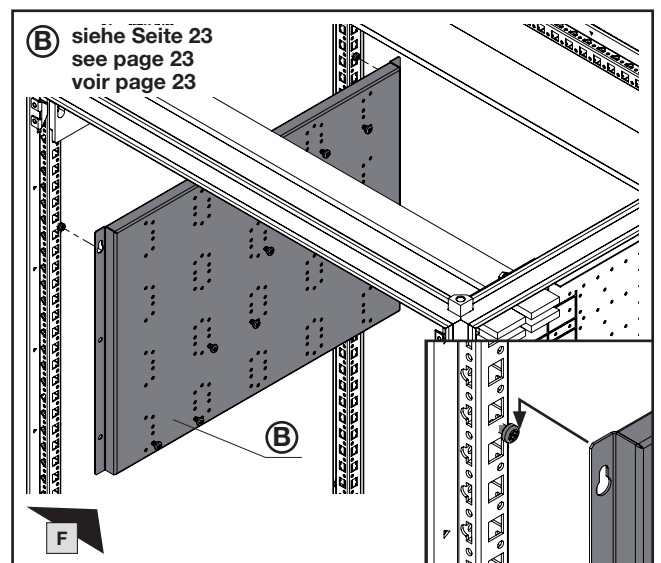
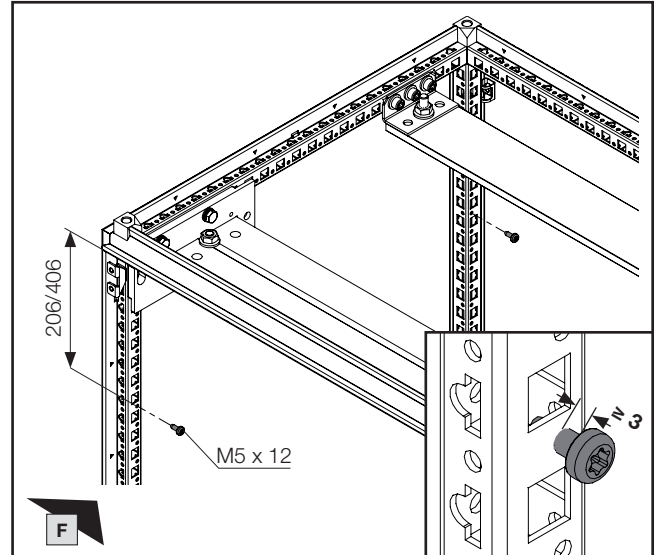
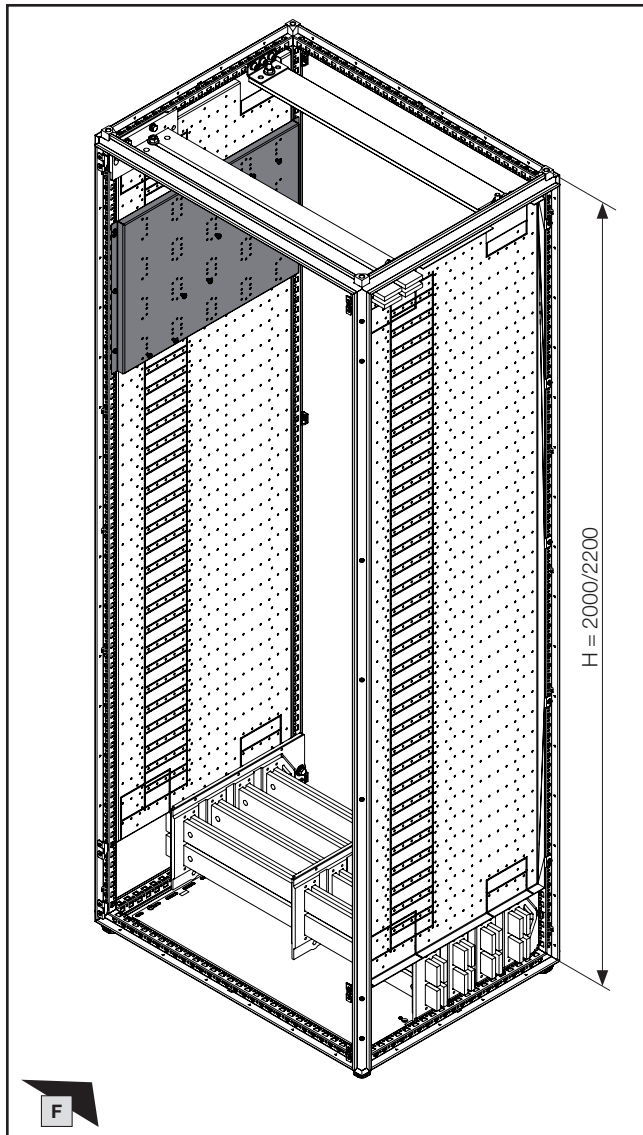


DE EN FR

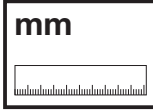
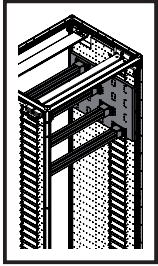


1. Montage 4-poliges HSS
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1. Montage du jeu de barres principal tétrapolaire

- 1.10 Montage Maxi-PLS 45 S, 45 und 60 als Kabelanschluss-system oben
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M = 5 Nm / 44 in-lbs (6 x)

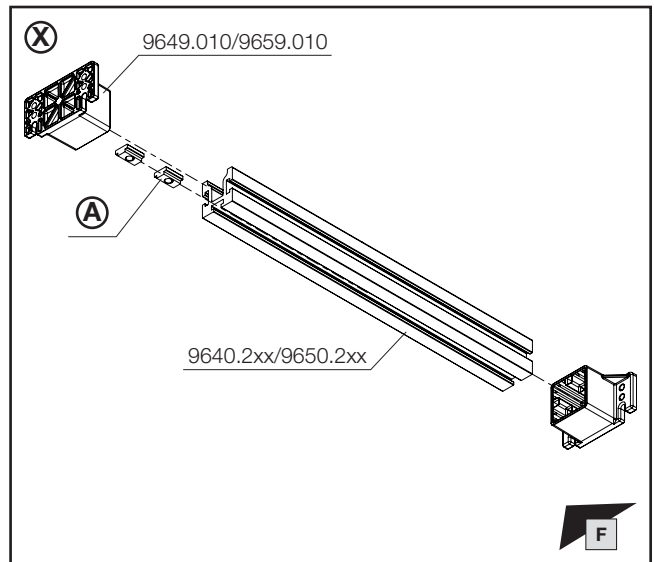
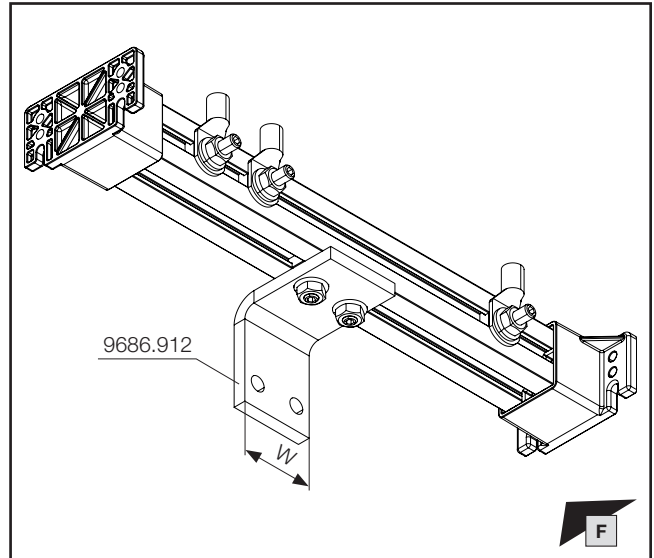
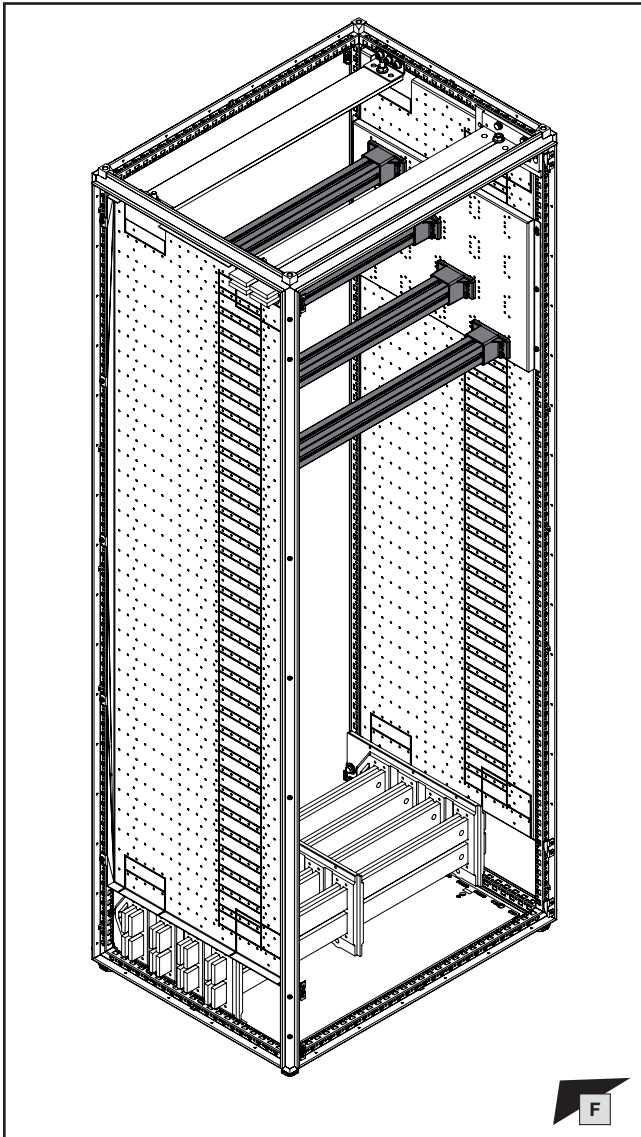


DE EN FR



1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

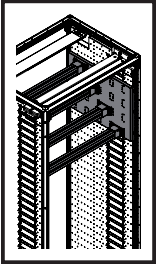
- 1.10 Montage Maxi-PLS 45 S, 45 und 60 als Kabelanschlusssystem oben
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Breite Anschlusswinkel W / Anzahl Nutensteine 9686.912
 Connection bracket width W / Number of sliding blocks 9686.912
 Largeur des équerres de raccordement W / Nombre de coulisseaux 9686.912

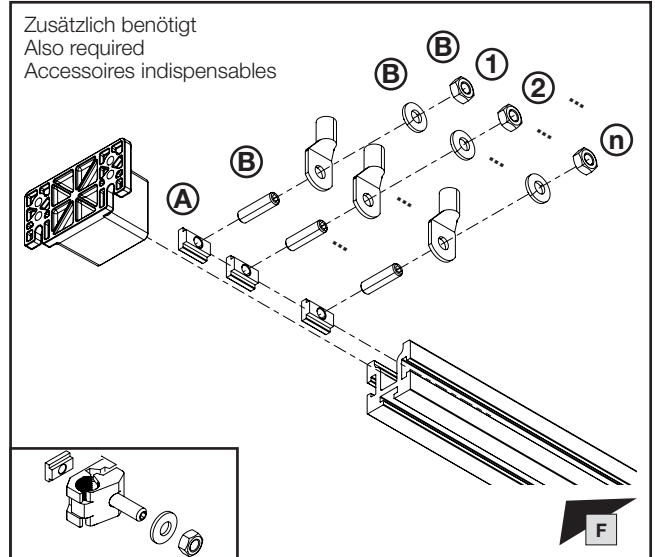
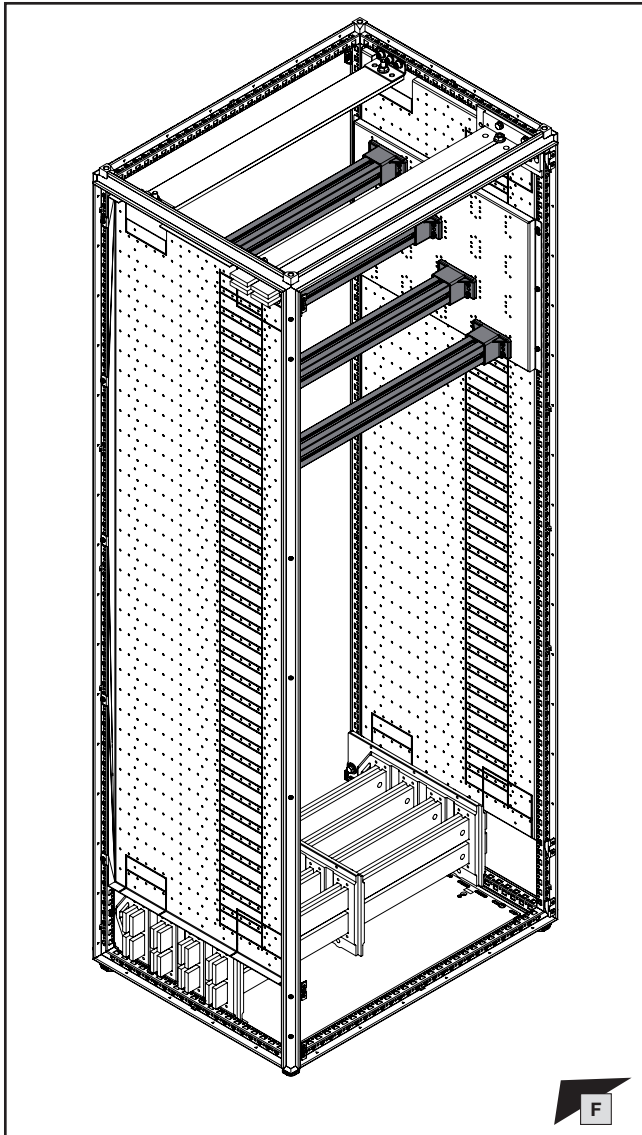
30 – 40	50 – 100	120

Gewinde Thread Filetage	Länge mm Length mm Longueur mm	VE (St.) P. of (pcs.) UE (p.)	 Best.-Nr. Model No. Référence	
			Maxi-PLS 45 S/45	Maxi-PLS 60
M10	25	15	9640.980	9650.980



1. Montage 4-poliges HSS
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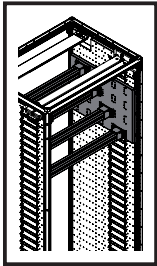
$n \times$ = $n \times$ (A) + $n \times$ (B)

$n \times$ = $n \times$ 9640.325 (PLS 45 S/PLS 45)
 = $n \times$ 9650.325 (PLS 60)

Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System
Assembly instructions VX25 Ri4Power – Switchgear and power distribution system
Notice de montage VX25 Ri4Power – Distribution de courant
DE/EN/FR

Gewinde Thread Filetage	Länge mm Length mm Longueur mm	VE (St.) P. of (pcs.) UE (p.)	 Best.-Nr. Model No. Référence	
			Maxi-PLS 45 S/45	Maxi-PLS 60
M8	20	15	9640.970	—
M10	25	15	9640.980	9650.980
M12	35	15	—	9650.990

Gewinde Thread Filetage	Länge mm Length mm Longueur mm	VE (St.) P. of (pcs.) UE (p.)	 Best.-Nr. Model No. Référence	
			Maxi-PLS 45 S/45	Maxi-PLS 60
M8	35	6	9640.940	—
M10	35	8	9676.971	9676.971
M10	45	8	9676.972	9676.972
M10	55	8	9676.973	9676.973
M10	70	8	9676.976	9676.976
M10	80	8	9676.977	9676.977
M12	40	8	—	9676.981
M12	50	8	—	9676.982
M12	60	8	—	9676.983
M12	70	8	—	9676.986
M12	80	8	—	9676.987



TX30

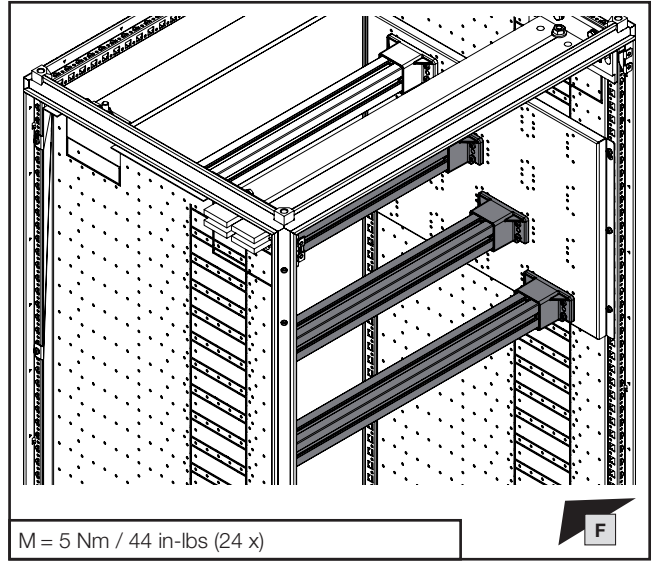
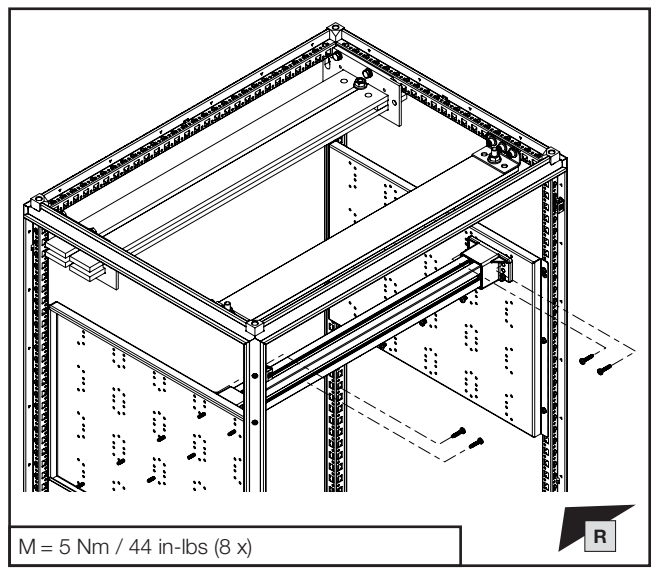
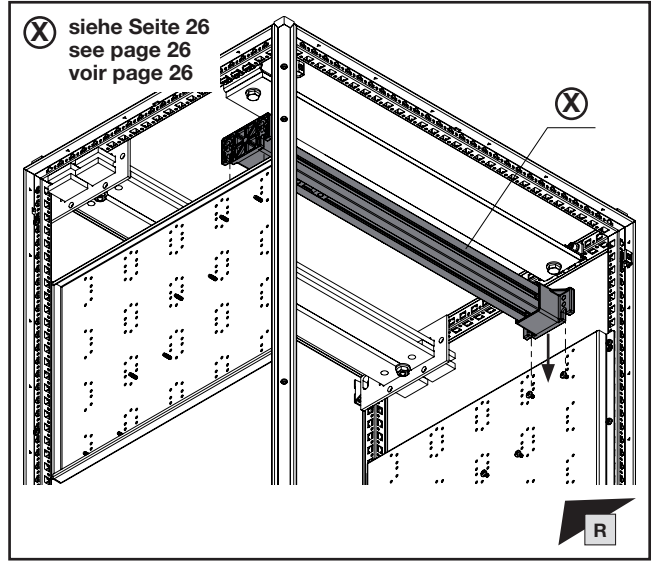
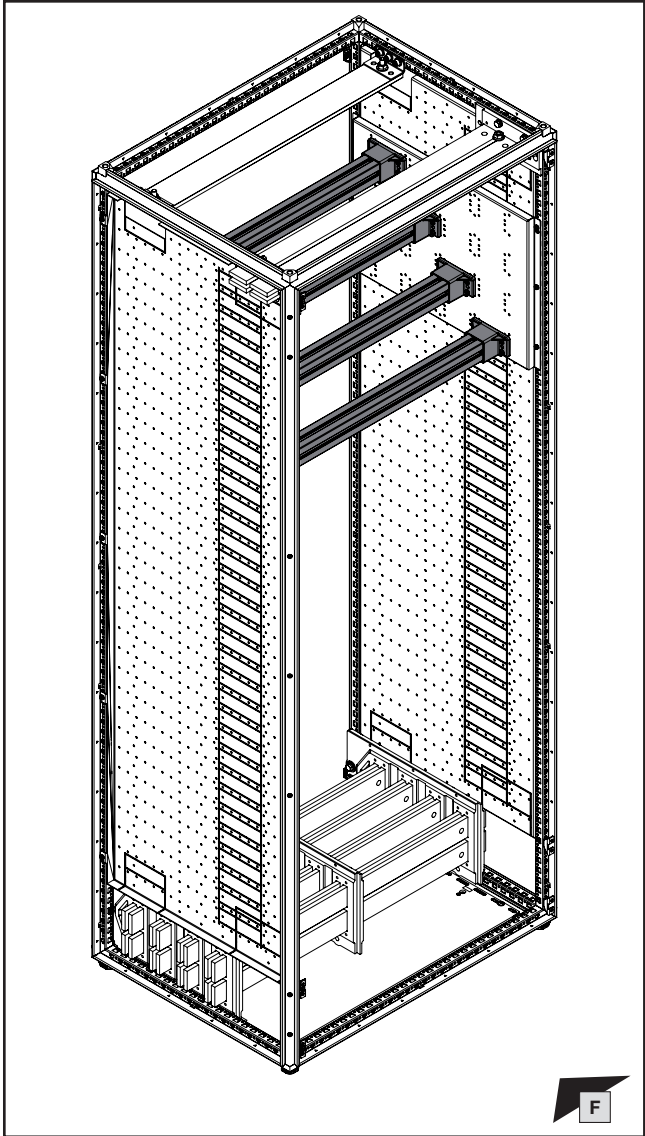


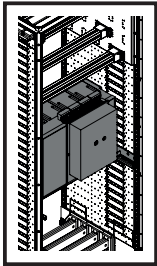
DE EN FR



1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

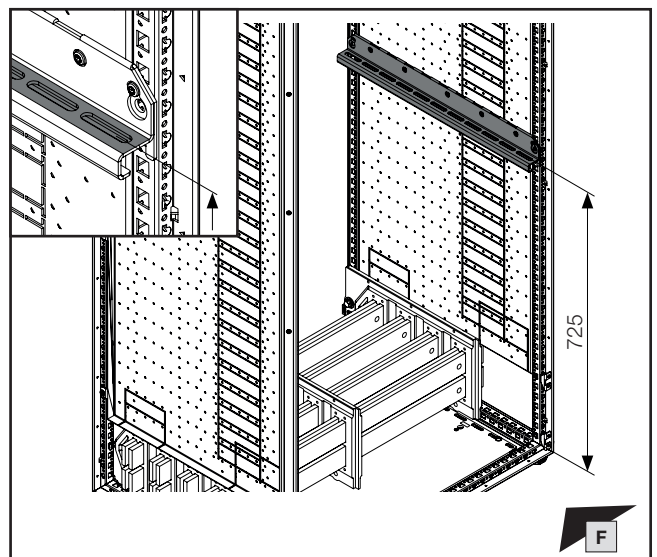
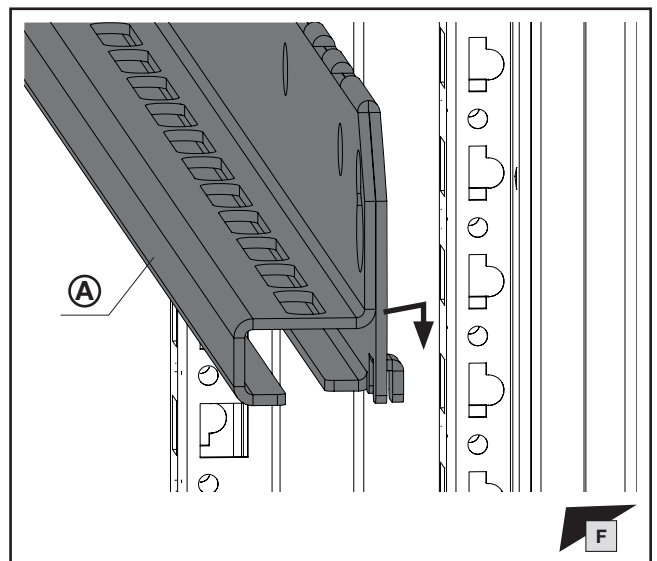
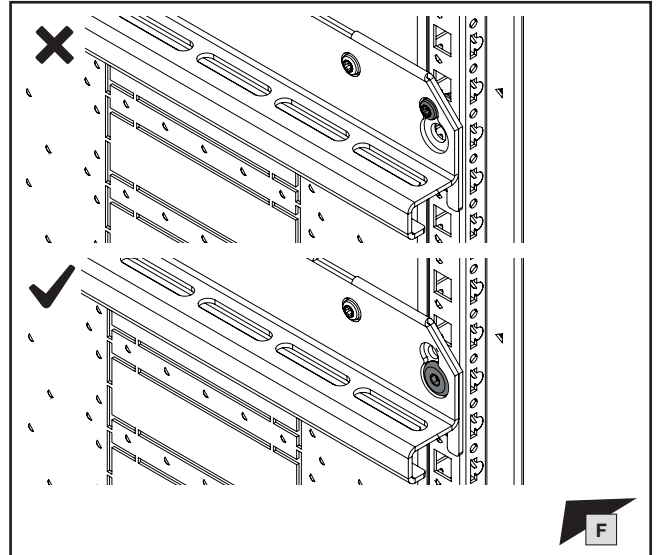
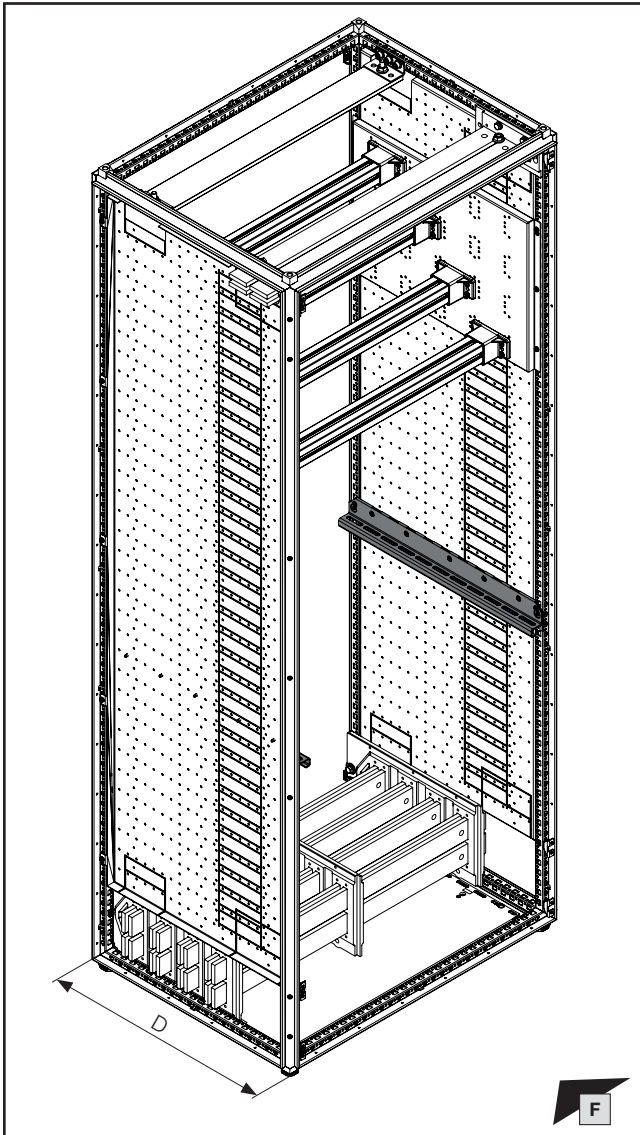
- 1.10 Montage Maxi-PLS 45 S, 45 und 60 als Kabelanschluss-system oben
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- 1.10 Montage Maxi-PLS 45 S, 45 et 60 comme système de raccordement des câbles dans la partie supérieure de l'armoire électrique





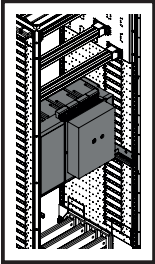
- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.11 Montage des offenen Leistungsschalters
- 1.11 Fitting the circuit-breaker
- 1.11 Montage du disjoncteur de puissance



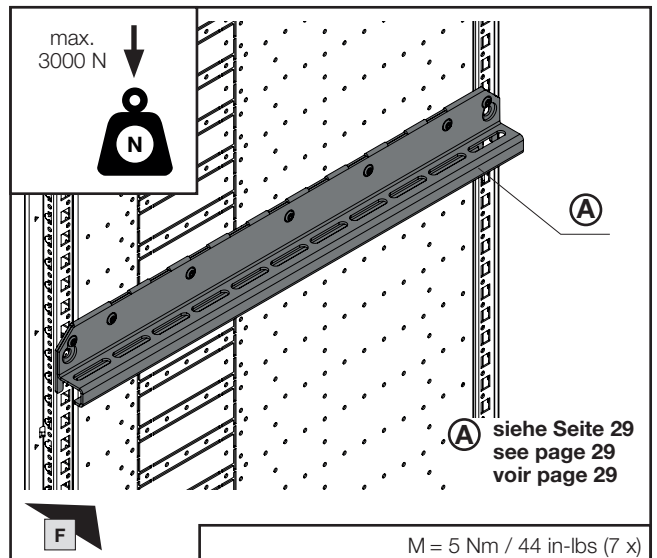
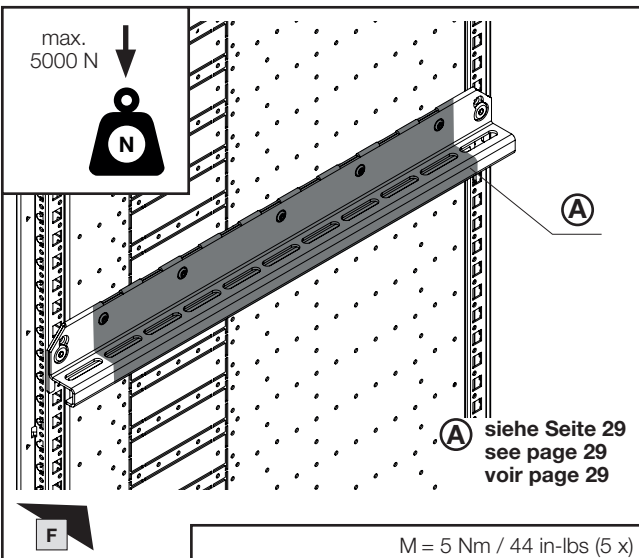
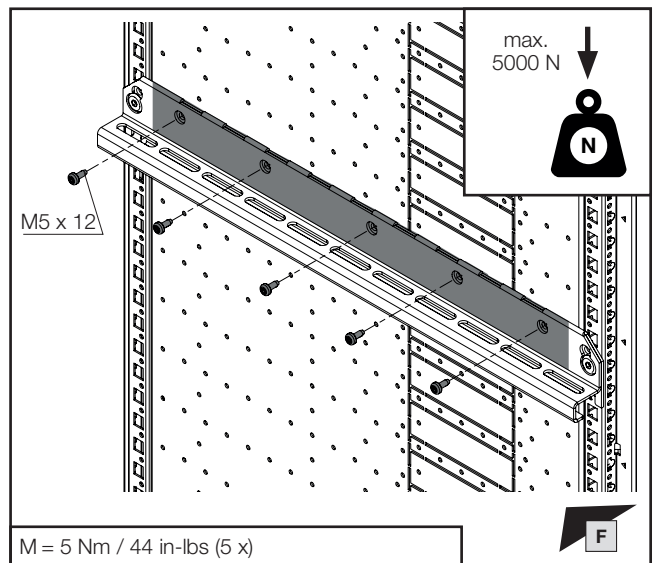
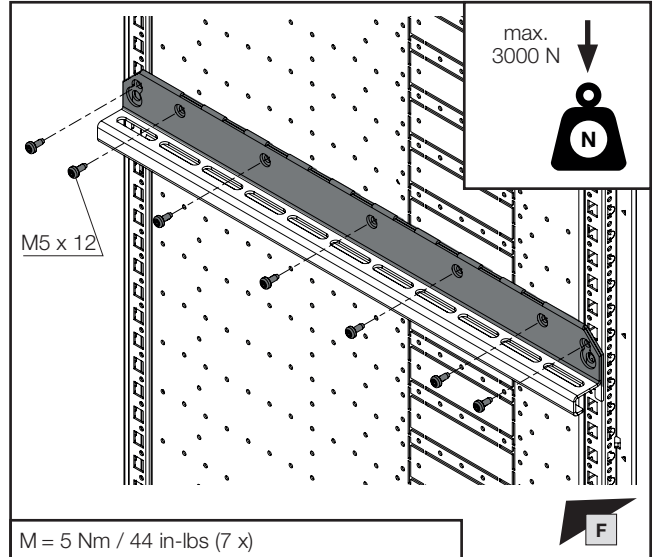
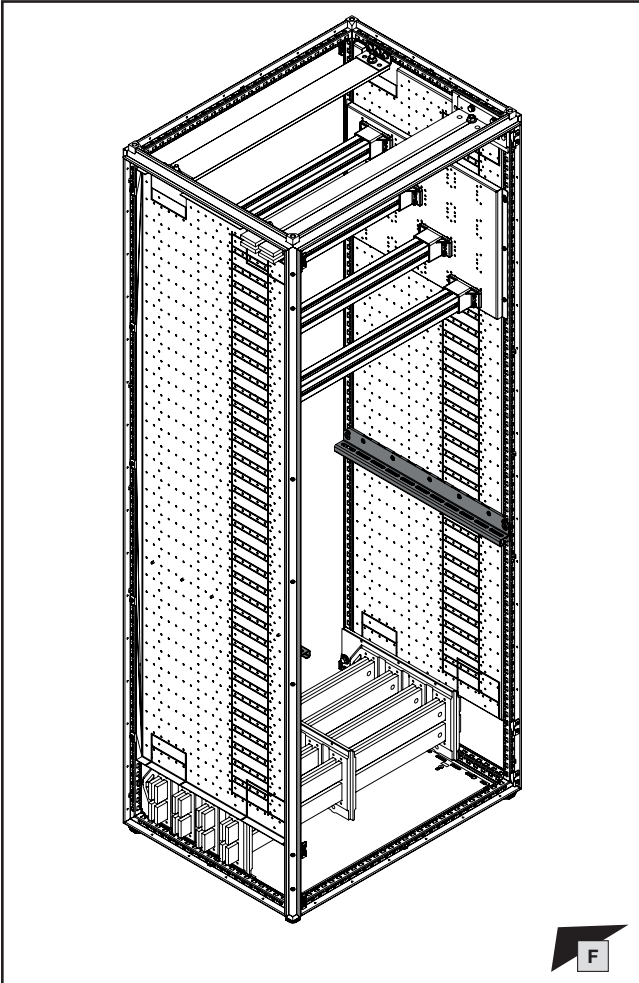
Hinweis / Note / Remarque I./II./ III./IV.
Vorbereitende Arbeiten für Leistungsschalter > 3000 N: siehe Abschnitt 1.3
Preparatory tasks for air circuit-breakers > 3,000 N: see chapter 1.3
Travaux préparatoires pour disjoncteurs de puissance > 3000 N: voir chapitre 1.3

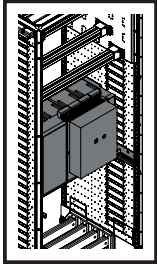
D mm	Best.-Nr. Model No. Référence
600	9683.326
800	9683.328



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

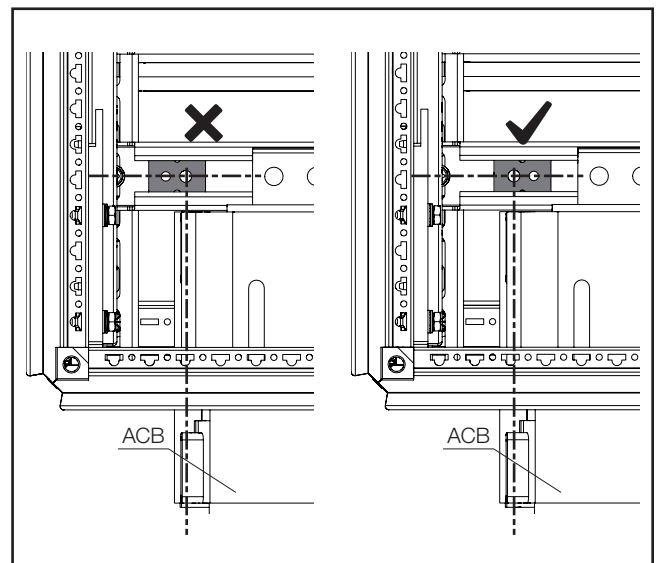
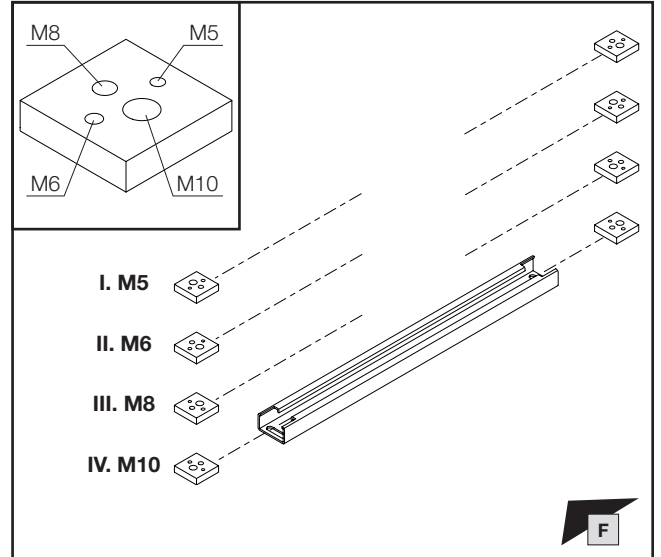
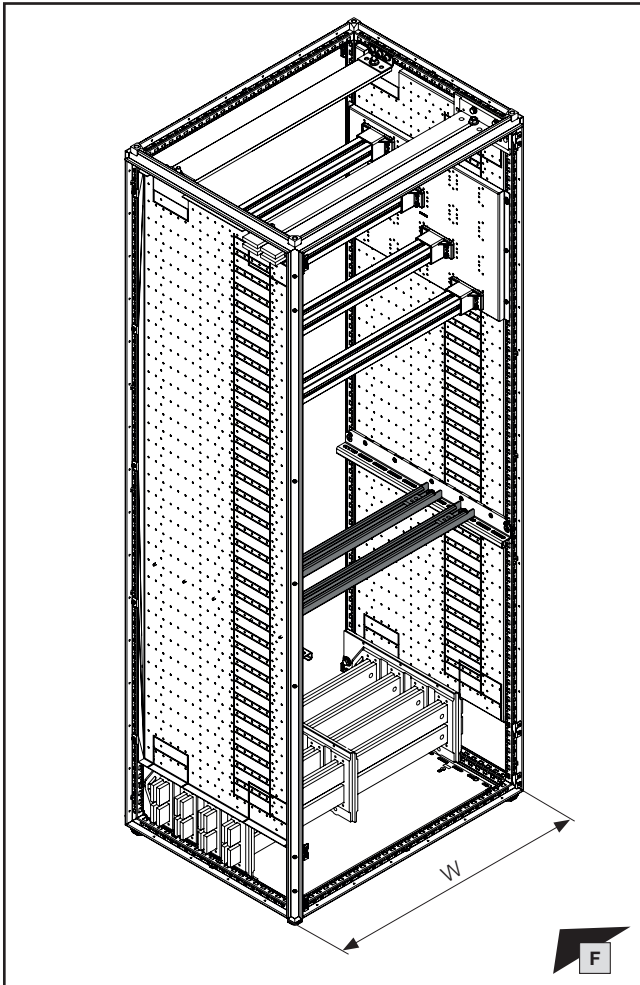
- 1.12 Montage des offenen Leistungsschalters
- 1.12 Fitting the circuit-breaker
- 1.12 Montage du disjoncteur de puissance





1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

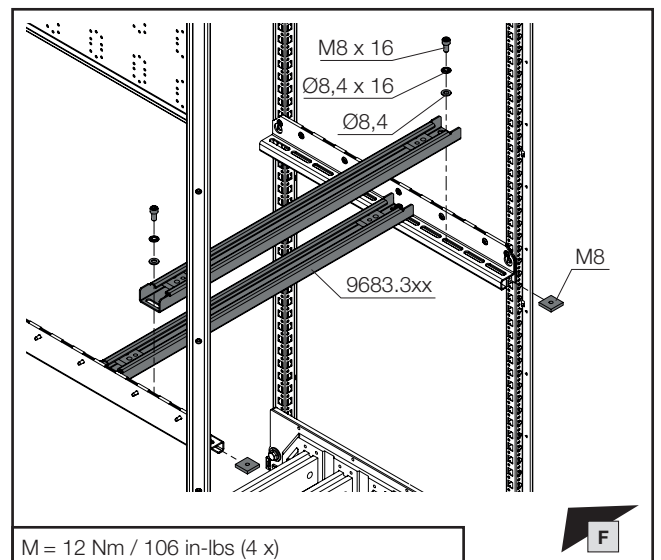
1.12 Montage des offenen Leistungsschalters
 1.12 Fitting the circuit-breaker
 1.12 Montage du disjoncteur de puissance



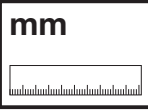
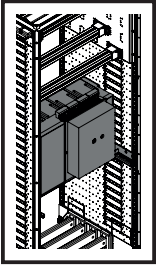
W mm	Best.-Nr. Model No. Référence
400	9683.304
600	9683.306
800	9683.308
1000	9683.310
1200	9683.312



Hinweis / Note / Remarque I./II./ III./IV.
Auswahl Befestigungsschrauben gemäß Hersteller des ACB!
Selection of fastening screws in accordance with the manufacturer of the ACB!
Choix des vis de fixation en fonction de la marque du disjoncteur de puissance !

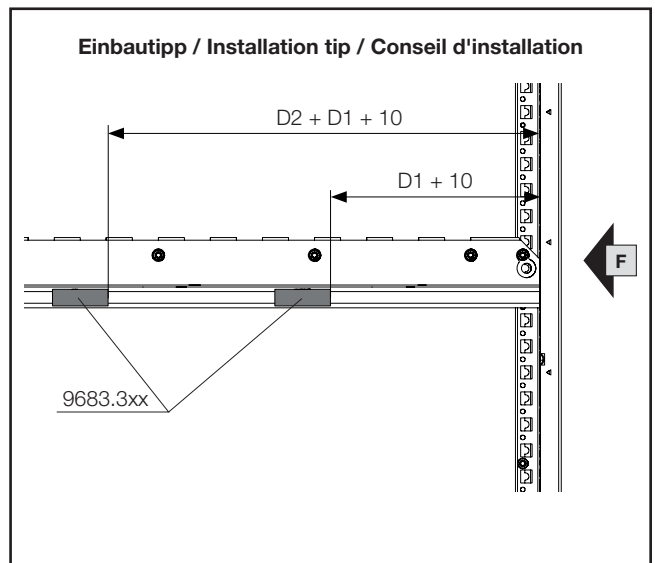
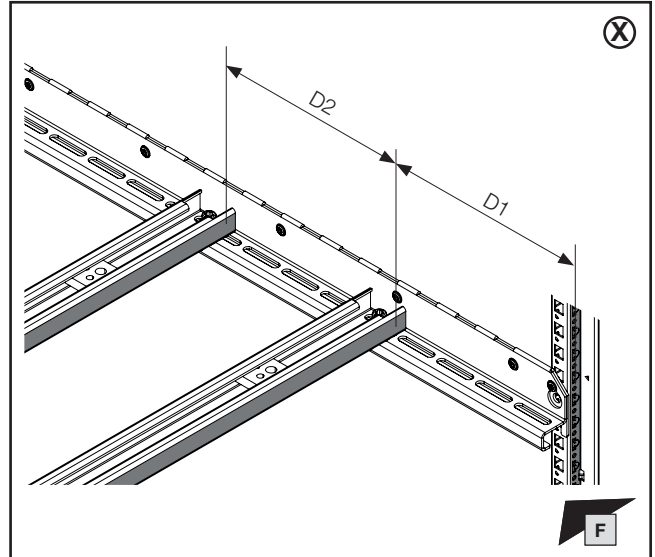
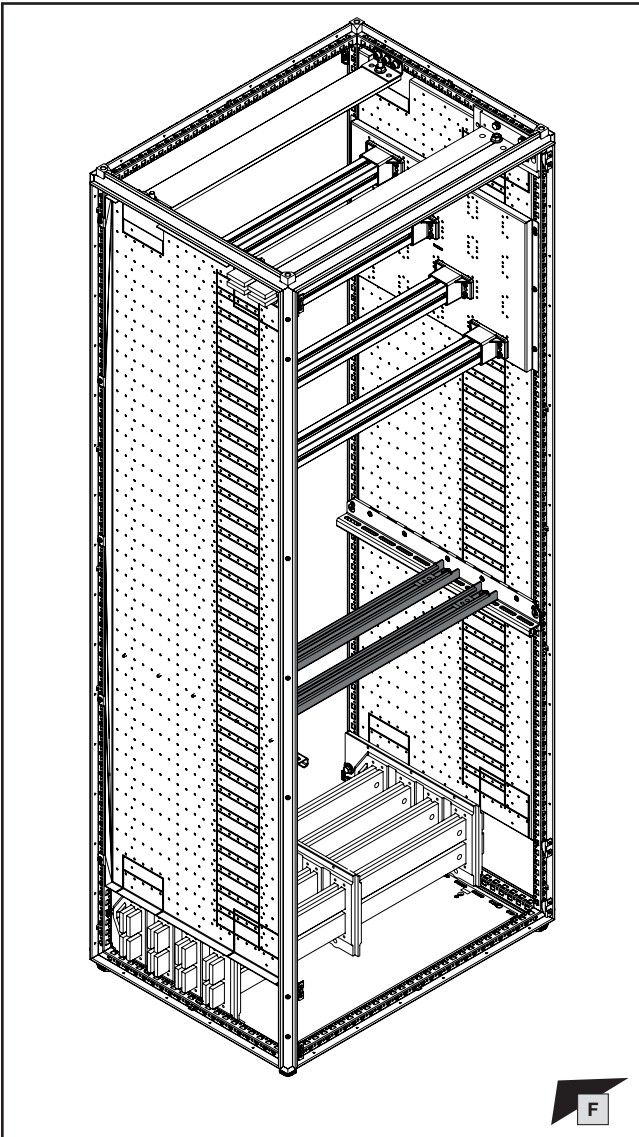


M = 12 Nm / 106 in-lbs (4 x)



1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.12 Montage des offenen Leistungsschalters
- 1.12 Fitting the circuit-breaker
- 1.12 Montage du disjoncteur de puissance



Hinweis / Note / Remarque (X)

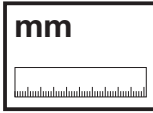
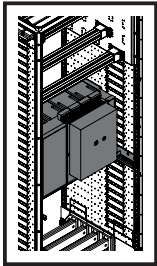
Die Maße „D1“ und „D2“ werden mit Hilfe der Online-Berechnungssoftware „RiPower“ im Niederspannungsschaltanlagen Konfigurator ermittelt.

The dimensions "D1" and "D2" are calculated using the online calculation software "RiPower" in the low-voltage switchgear configurator.

Les dimensions « D1 » et « D2 » sont déterminées à l'aide du logiciel de calcul en ligne « RiPower » du configurateur de TGBT.

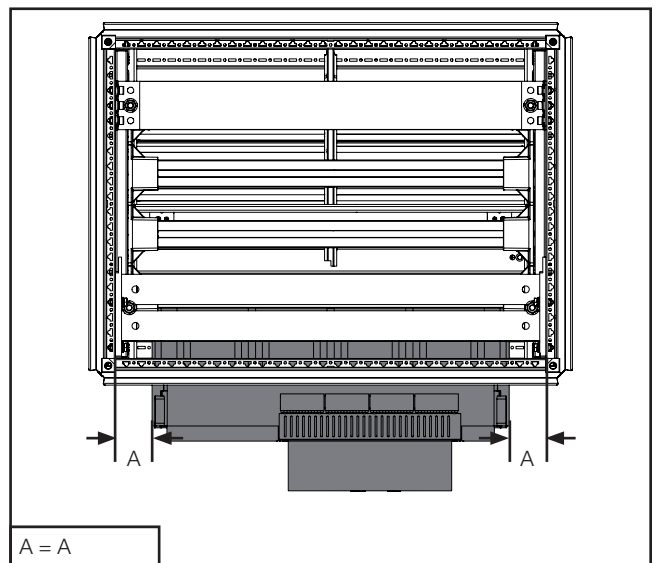
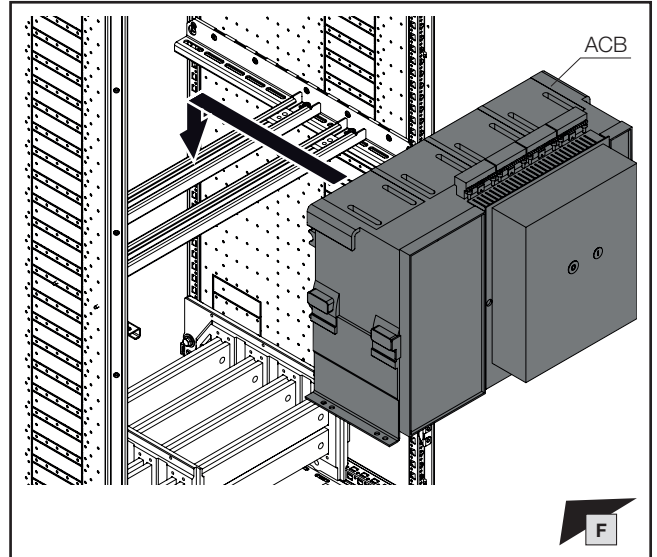
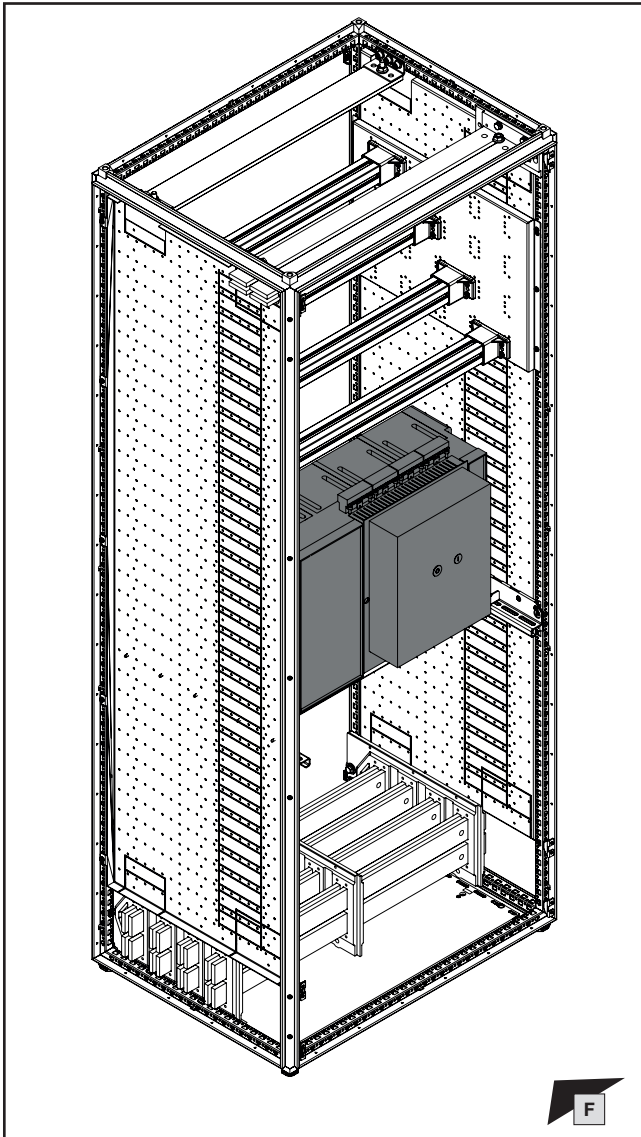


RiPower



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

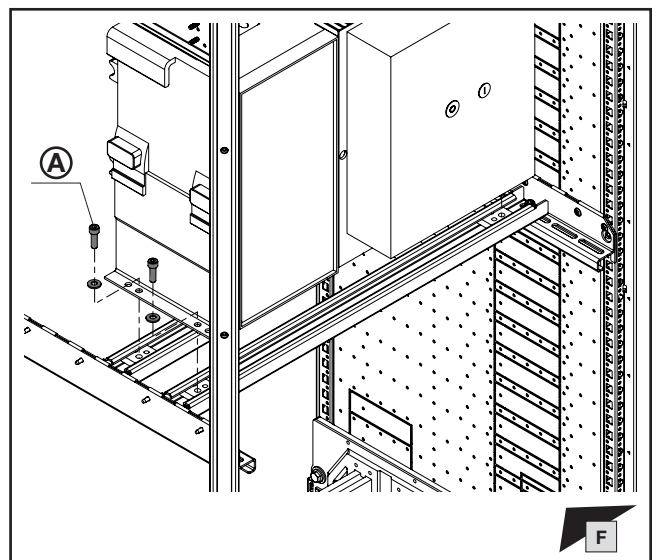
- 1.12 Montage des offenen Leistungsschalters
- 1.12 Fitting the circuit-breaker
- 1.12 Montage du disjoncteur de puissance

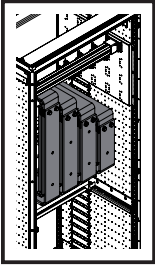


A = A



Hinweis / Note / Remarque (A)
Auswahl Befestigungsschrauben und Drehmomente gemäß Hersteller des ACB!
Selection of fastening screws and torques in accordance with the manufacturer of the ACB!
Choix des vis de fixation et des couples de serrage en fonction de la marque du disjoncteur de puissance !



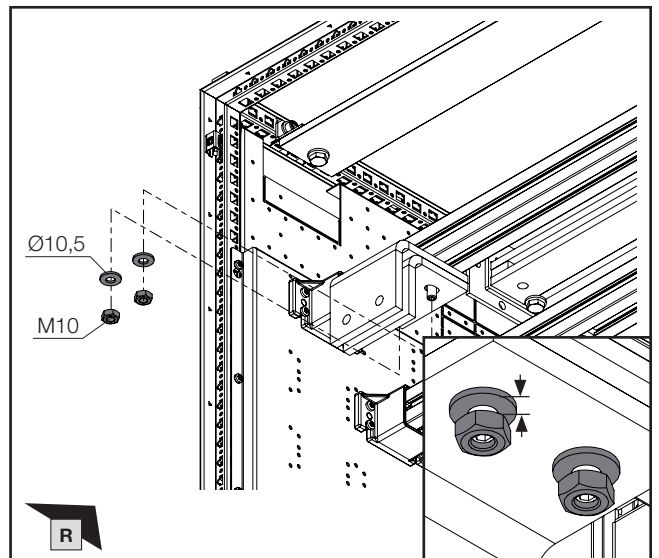
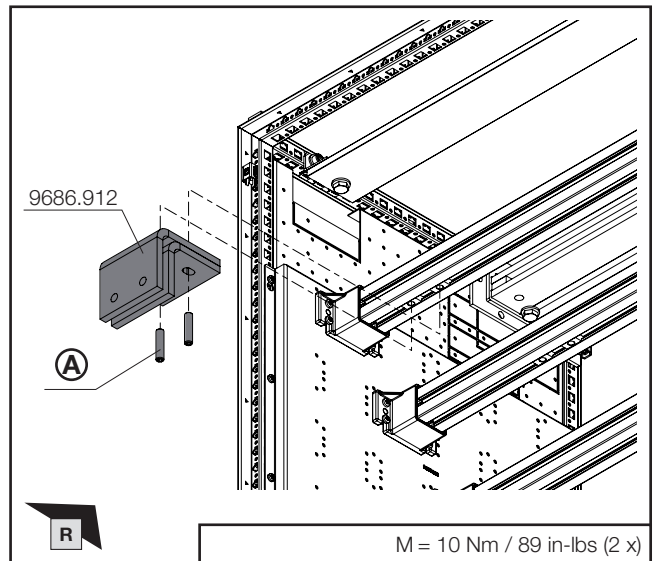
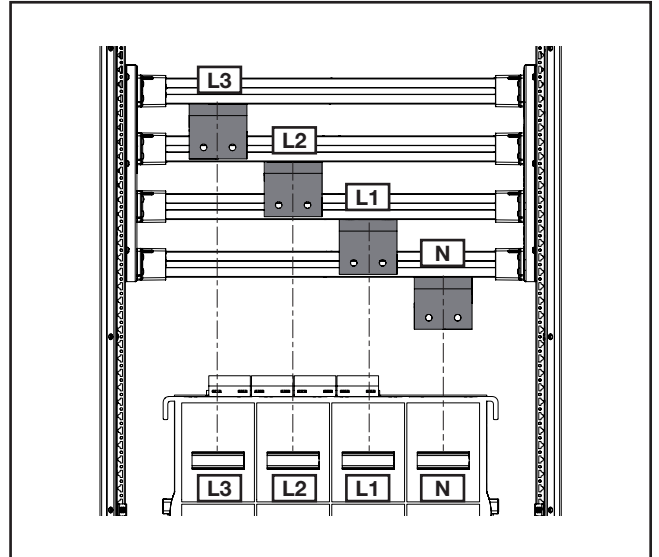
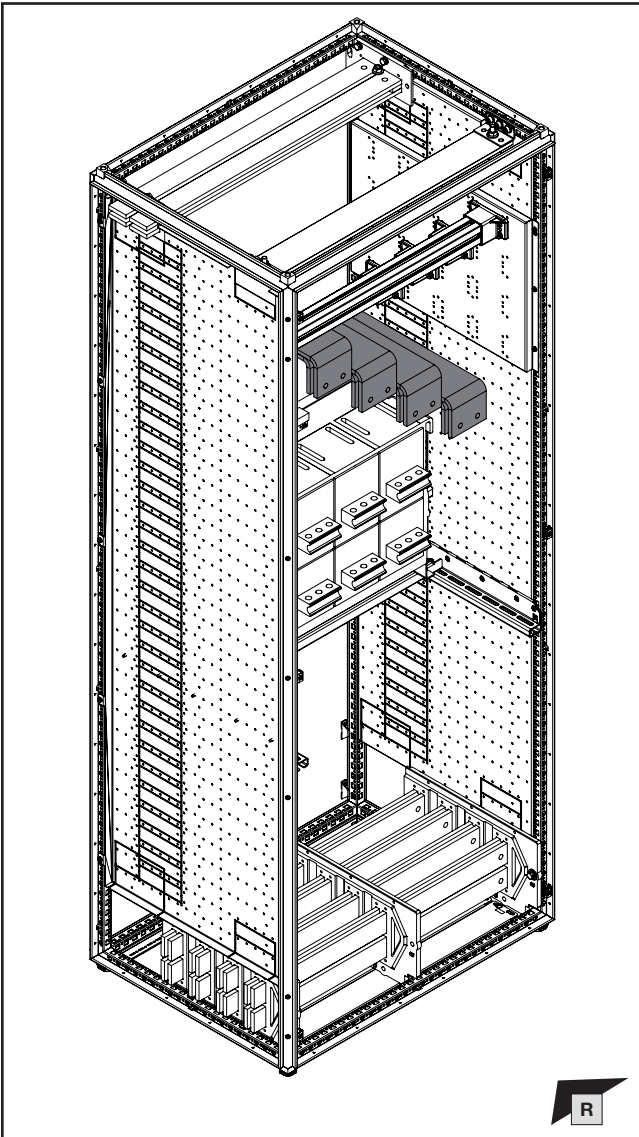


DE EN FR

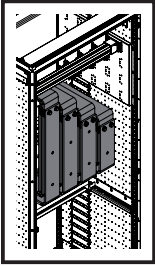


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.13 Montage des offenen Leistungsschalters – oberer Verbindungssatz
- 1.13 Fitting the circuit-breaker – Upper connector kit
- 1.13 Montage du disjoncteur de puissance – kit de jonction supérieur



Hinweis / Note / Remarque **A**
 Auswahl Gewindebolzen: siehe Abschnitt 5.
 Selection of threaded bolts: see chapter 5.
 Sélection des boulons filetés : voir chapitre 5.



SW16/
SW17

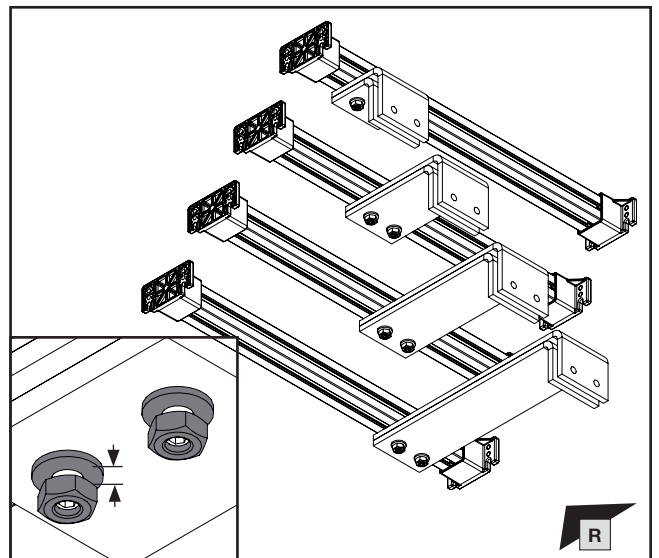
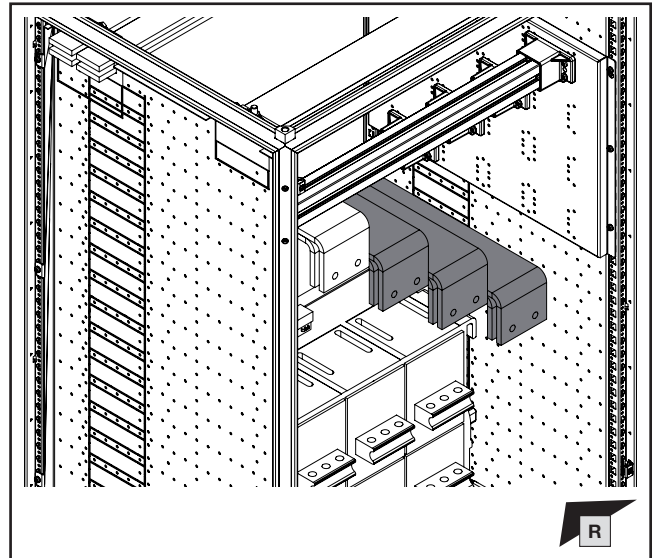
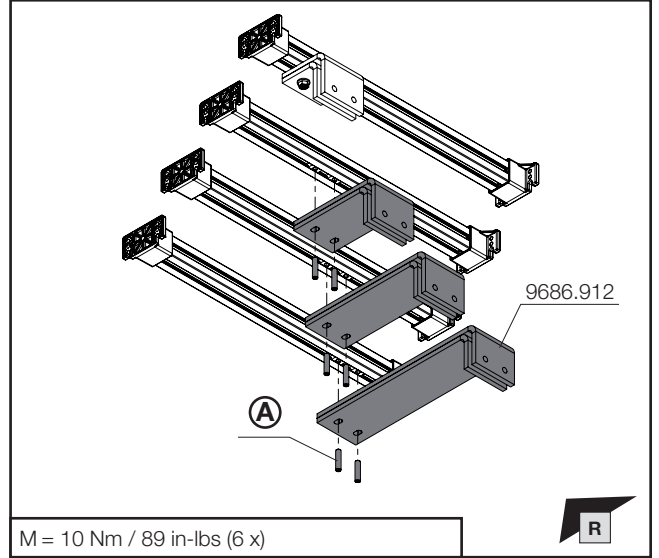
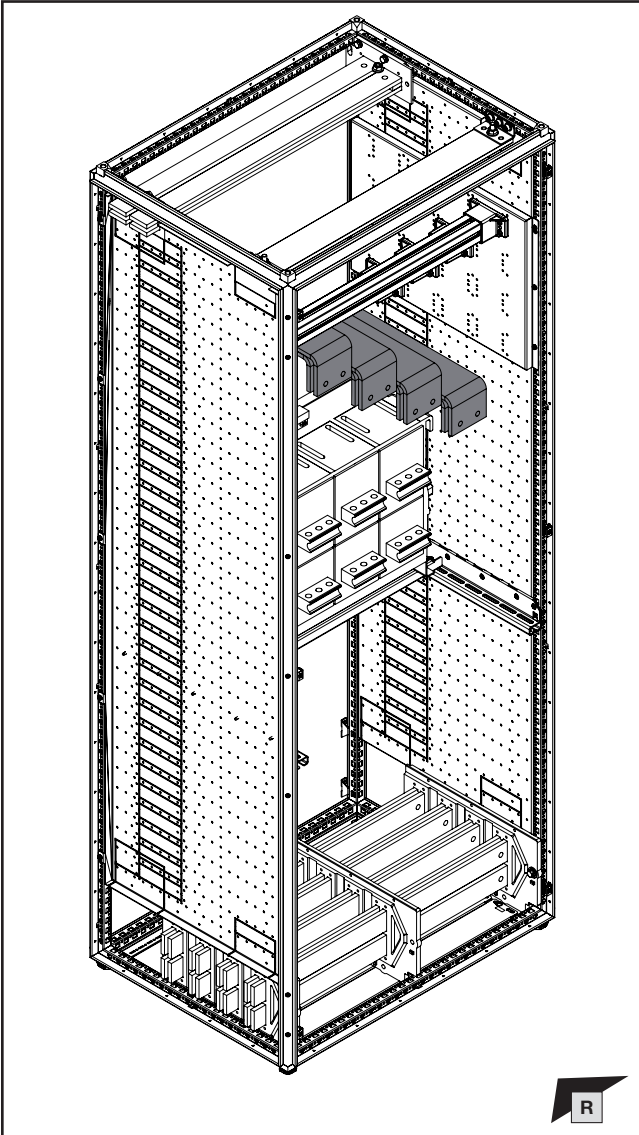
IS5/
IS6

DE EN FR

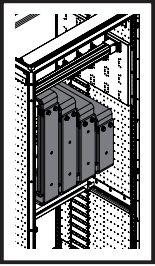


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.13 Montage des offenen Leistungsschalters – oberer Verbindungssatz
- 1.13 Fitting the circuit-breaker – Upper connector kit
- 1.13 Montage du disjoncteur de puissance – kit de jonction supérieur

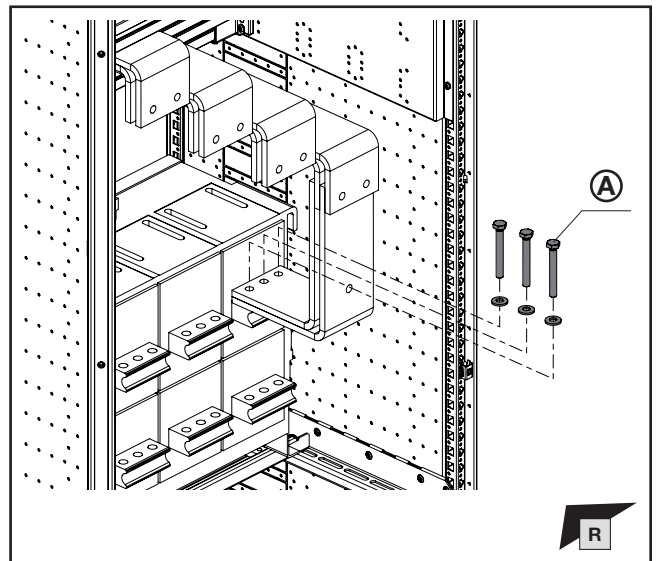
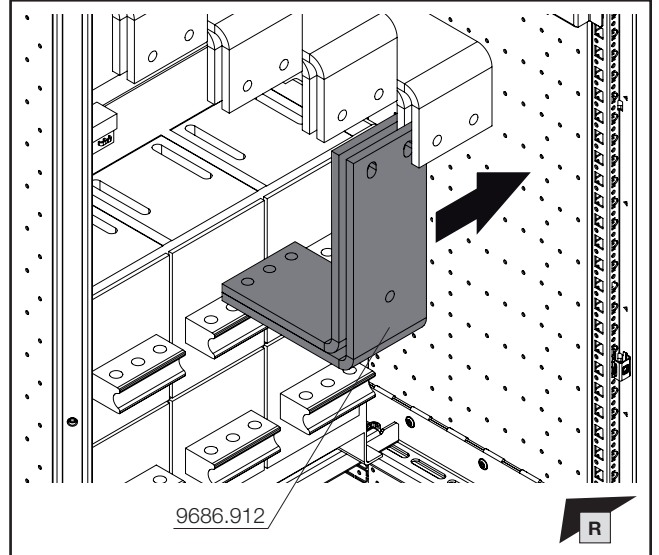
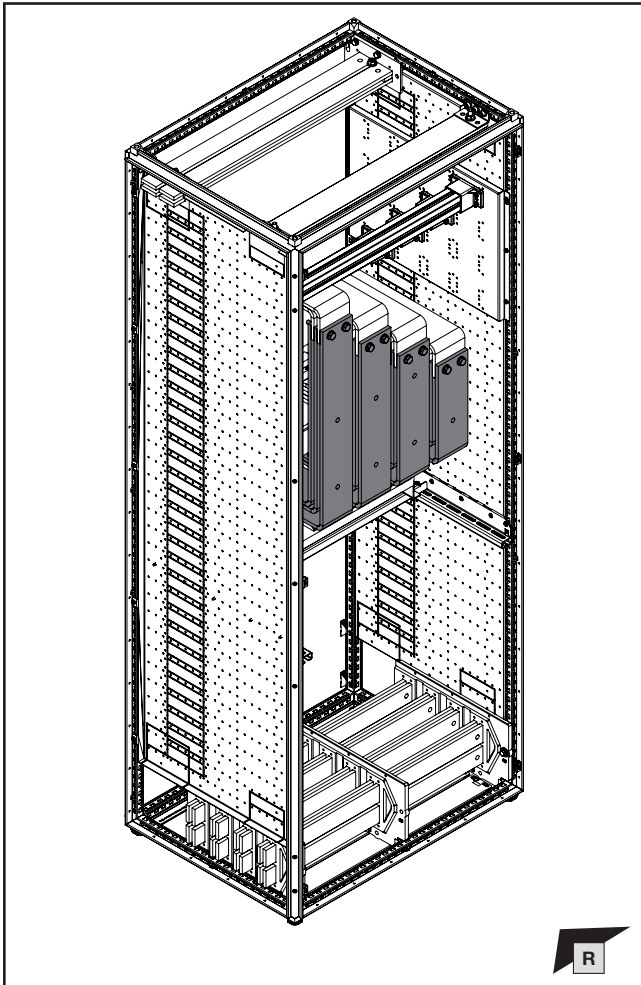


Hinweis / Note / Remarque (A)
 Auswahl Gewindebolzen: siehe Abschnitt 5.
 Selection of threaded bolts: see chapter 5.
 Sélection des boulons filetés : voir chapitre 5.

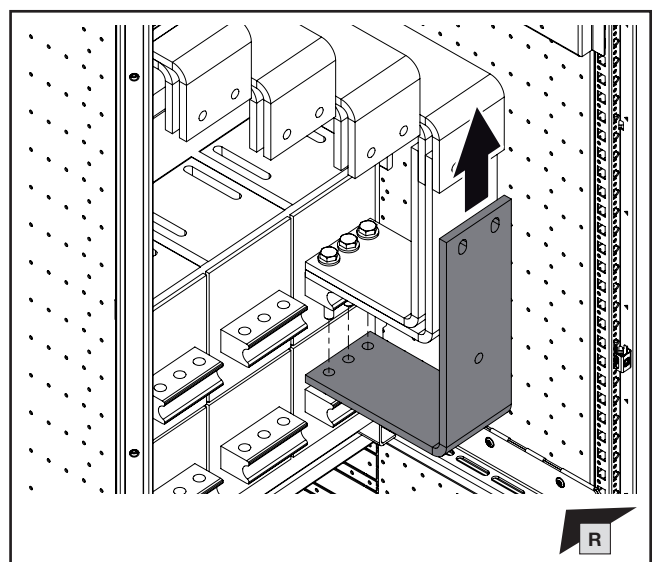
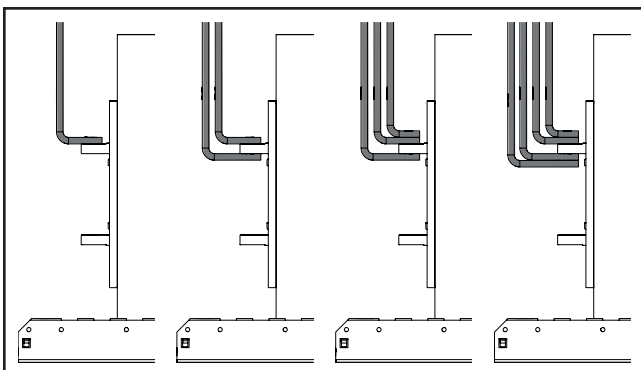


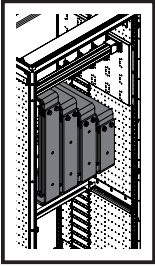
1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.13 Montage des offenen Leistungsschalters – oberer Verbindungssatz
- 1.13 Fitting the circuit-breaker – Upper connector kit
- 1.13 Montage du disjoncteur de puissance – kit de jonction supérieur



Hinweis / Note / Remarque (A)
Auswahl Befestigungsschrauben gemäß Hersteller des ACB!
Selection of fastening screws in accordance with the manufacturer of the ACB!
Choix des vis de fixation en fonction de la marque du disjoncteur de puissance !





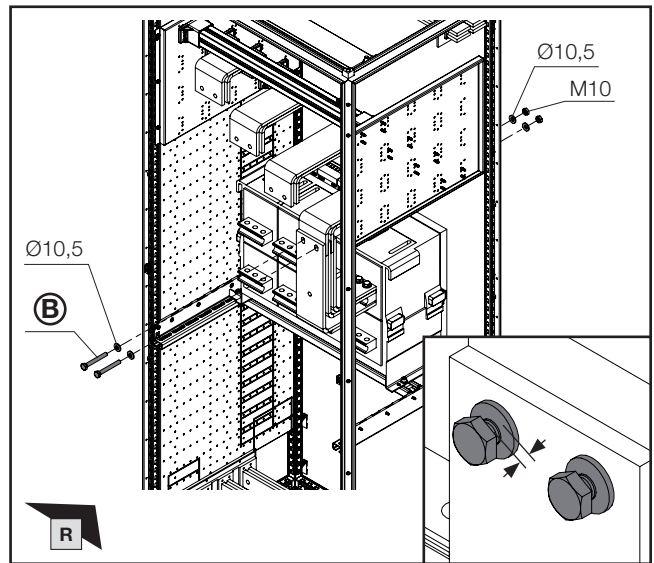
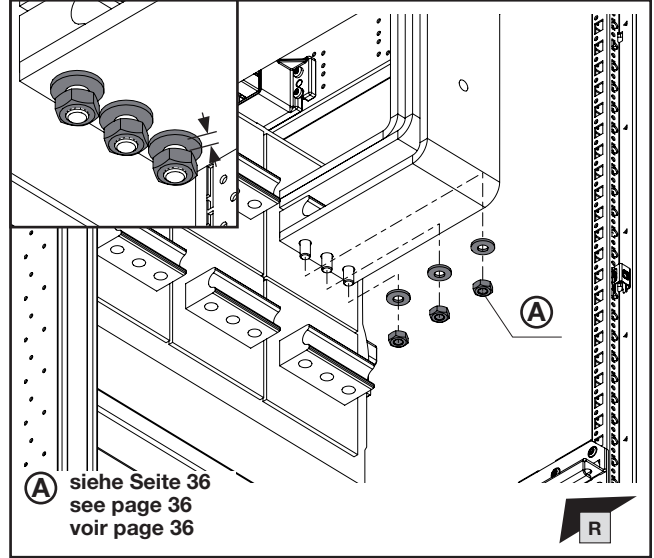
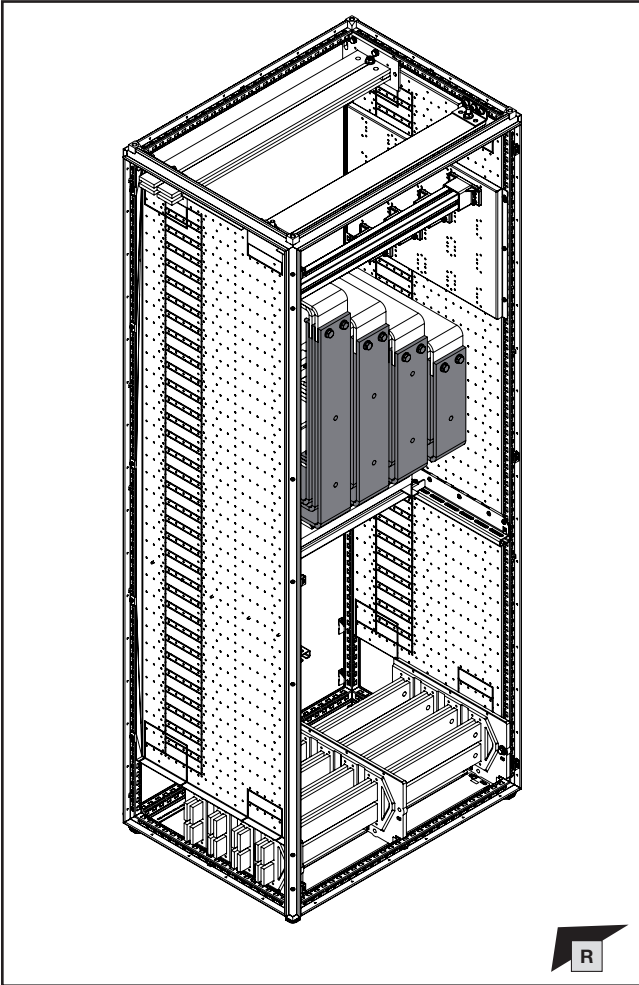
SW16/
SW17

DE EN FR

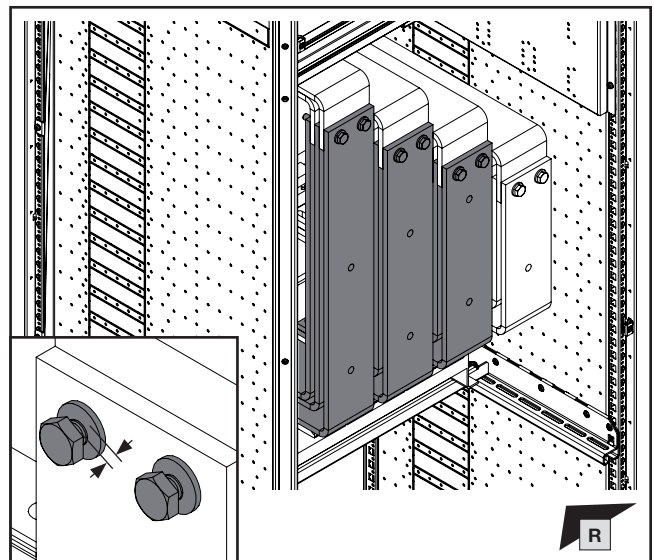
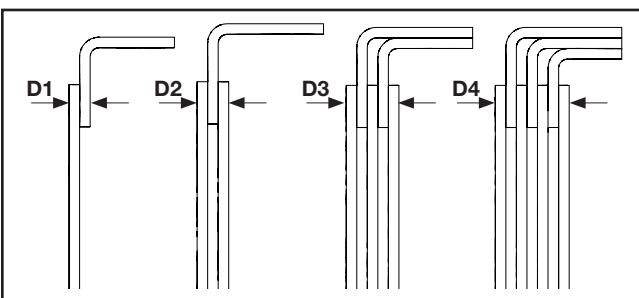


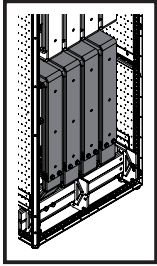
- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.13 Montage des offenen Leistungsschalters – oberer Verbindungssatz
- 1.13 Fitting the circuit-breaker – Upper connector kit
- 1.13 Montage du disjoncteur de puissance – kit de jonction supérieur



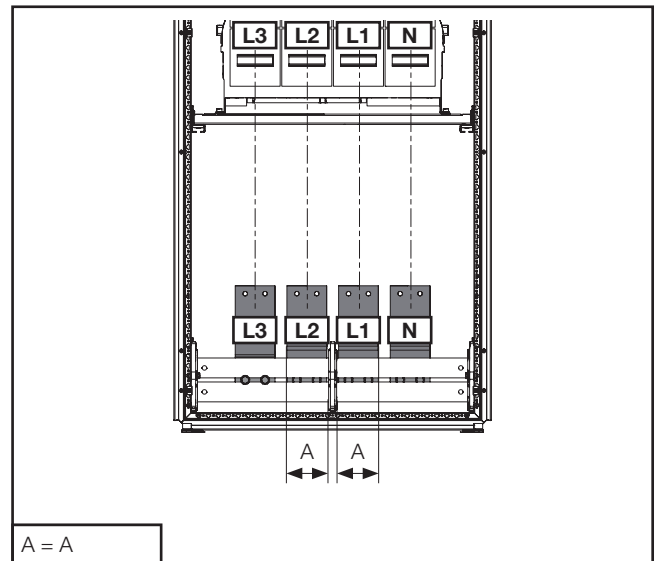
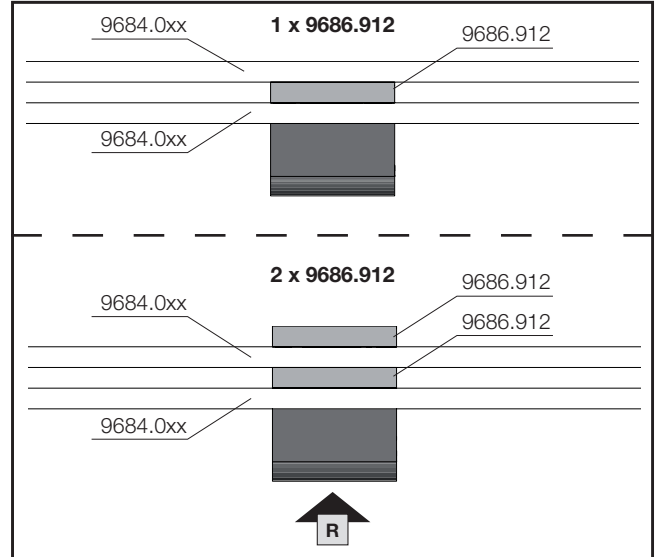
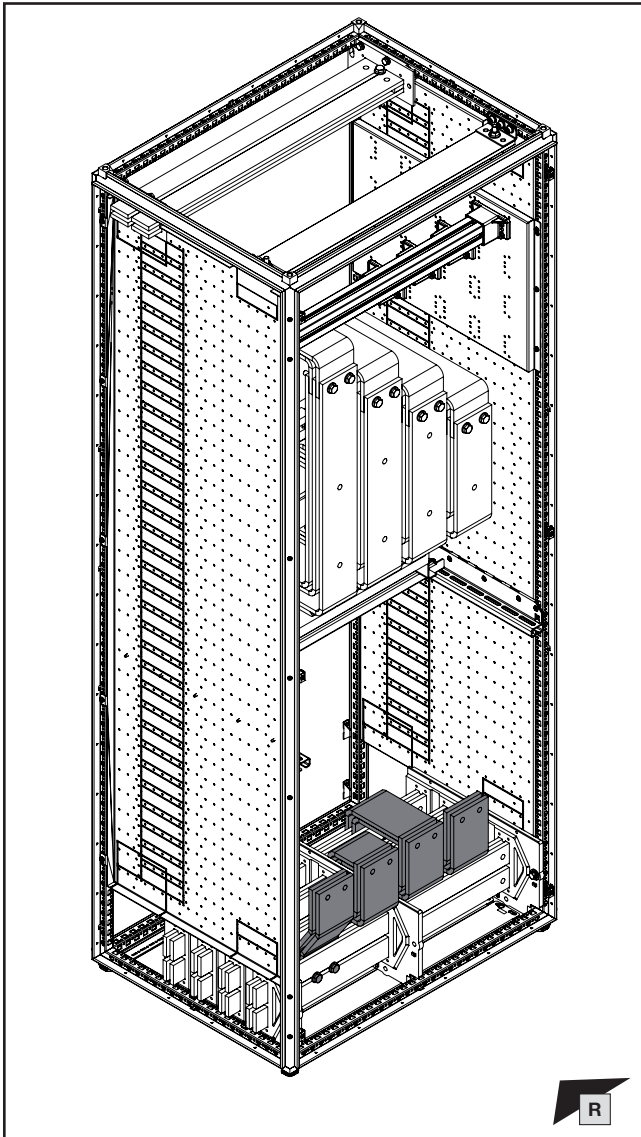
D mm		L mm	(B) Best.-Nr. Model No. Référence
D1	20	35	9686.830
D2	30	45	9686.845
D3	50	65	9686.855
D4	70	85	9686.885





1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

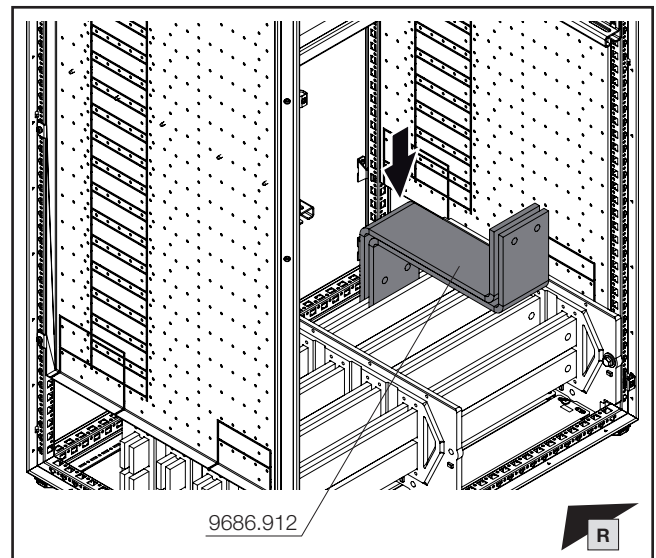
- 1.14 Montage des offenen Leistungsschalters – unterer Verbindungssatz
- 1.14 Fitting the circuit-breaker – Lower connector kit
- 1.14 Montage du disjoncteur de puissance – kit de jonction inférieur

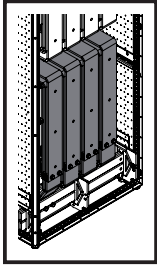


Hinweis / Note / Remarque
Montage 4-poliges Hauptsammelschienensystem N ungeschaltet: siehe Kapitel 2
Fitting the 4-pole main busbar system N unswitched: see chapter 2
Montage des jeux de barres principaux tétrapolaires Neutre non commandé : voir chapitre 2



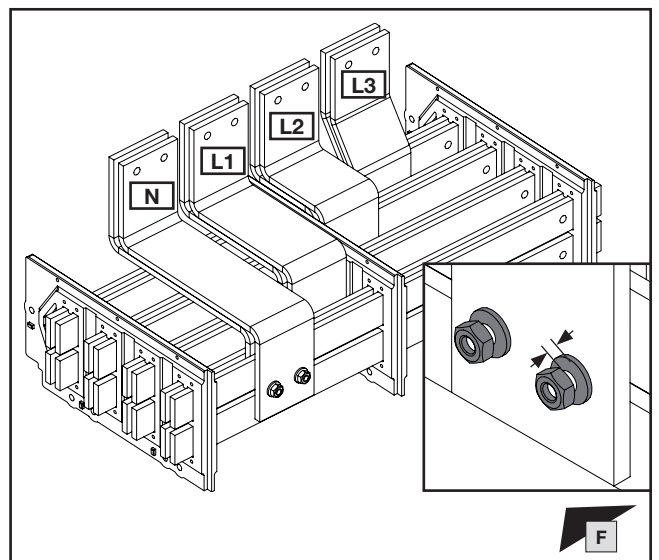
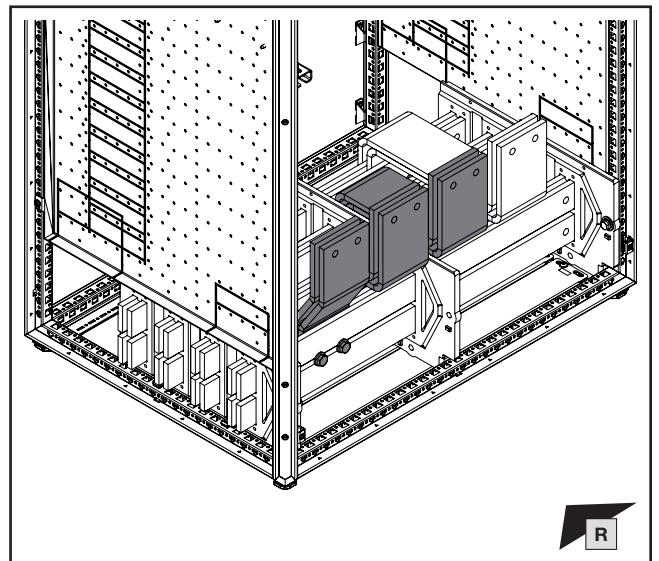
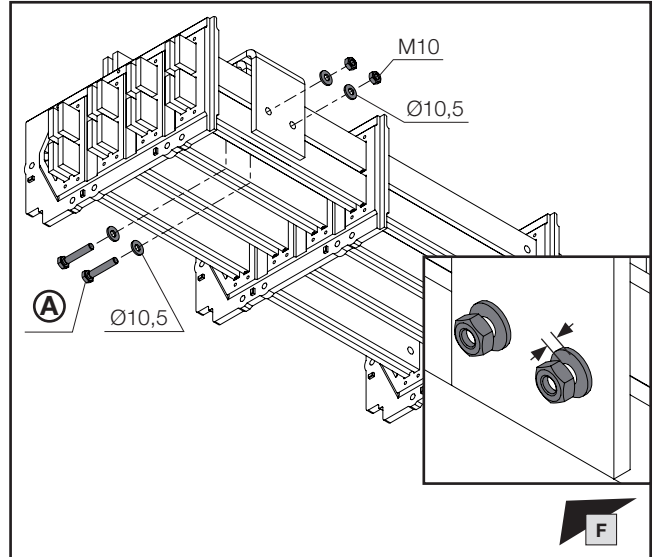
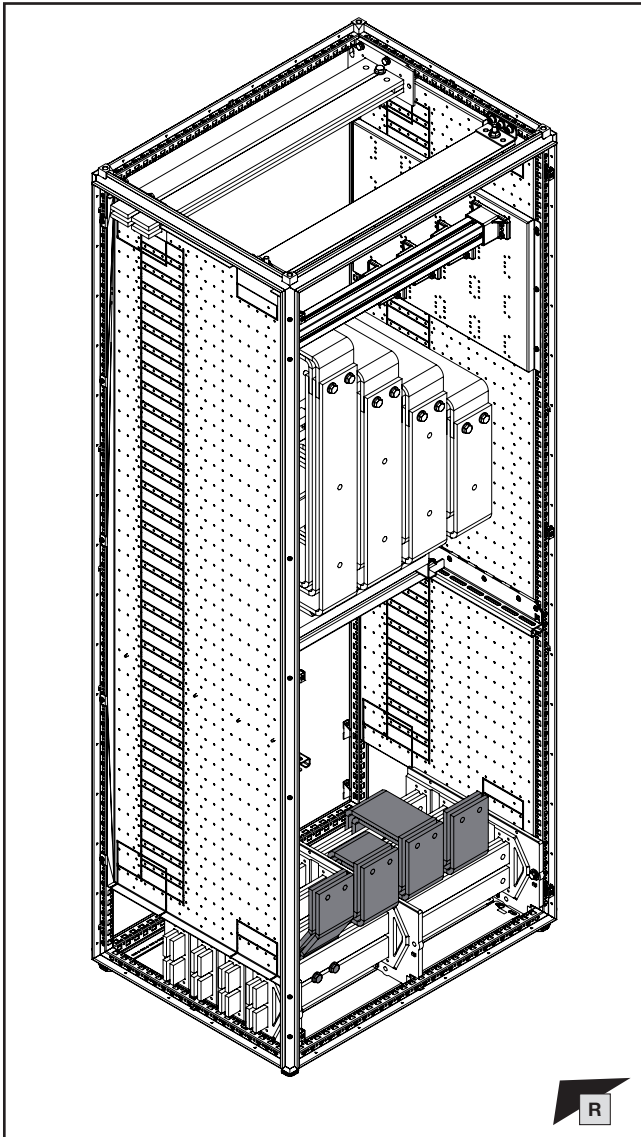
Hinweis / Note / Remarque
Gleichmäßige Ausrichtung sicherstellen!
Ensure uniform alignment!
S'assurer d'un alignement uniforme !

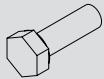


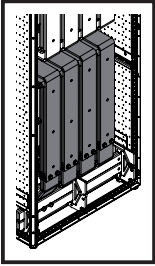


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.14 Montage des offenen Leistungsschalters – unterer Verbindungssatz
- 1.14 Fitting the circuit-breaker – Lower connector kit
- 1.14 Montage du disjoncteur de puissance – kit de jonction inférieur

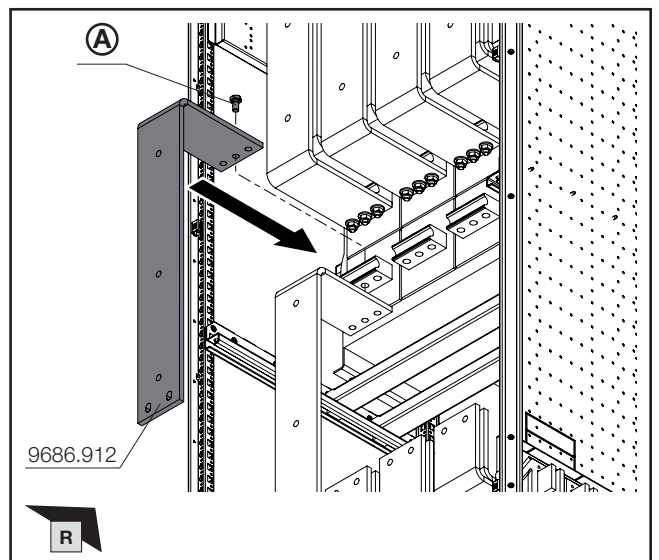
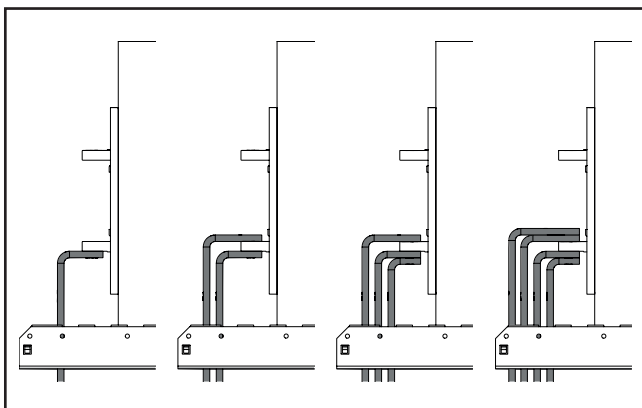
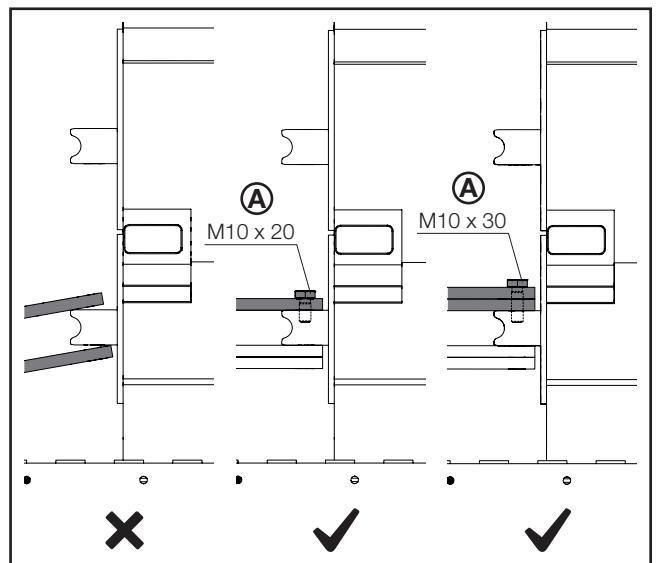
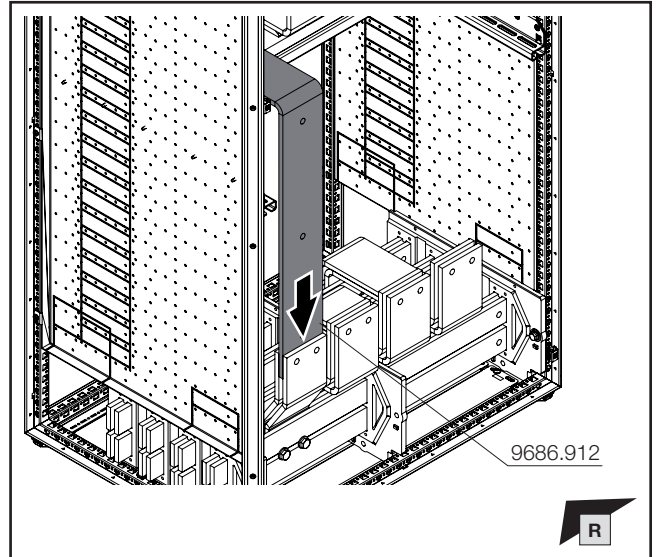
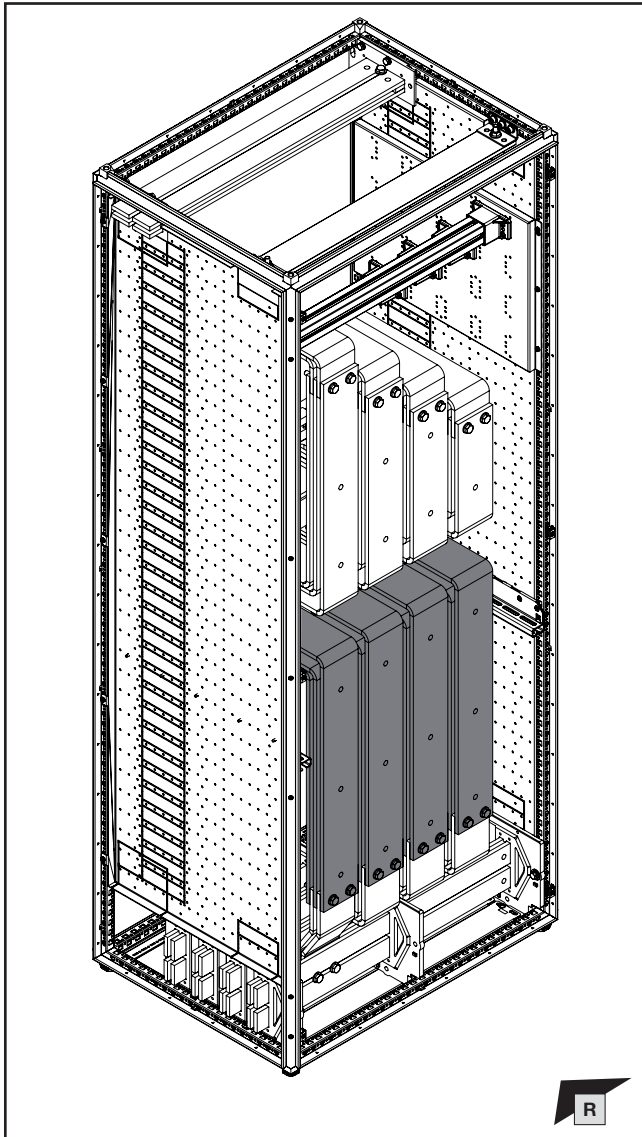


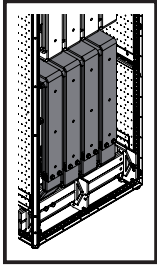
	Anzahl/ number of / nombre de 9686.912	Ⓐ Best.-Nr. Model No. Référence
M10 x 45	1	9686.845
M10 x 55	2	9686.865



1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.14 Montage des offenen Leistungsschalters – unterer Verbindungssatz
- 1.14 Fitting the circuit-breaker – Lower connector kit
- 1.14 Montage du disjoncteur de puissance – kit de jonction inférieur





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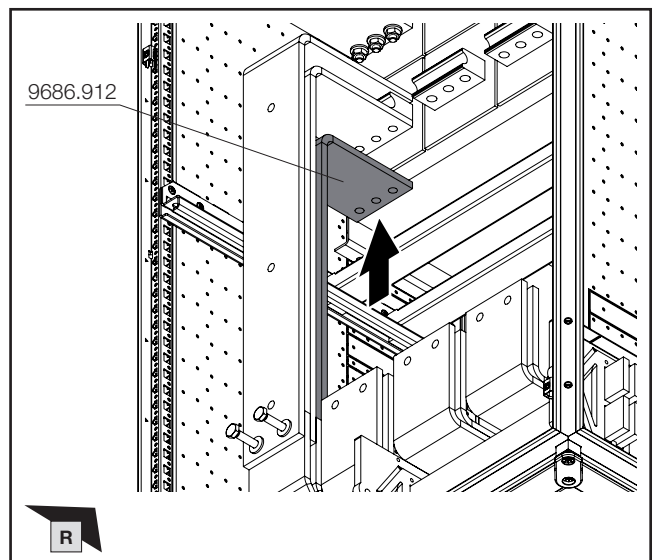
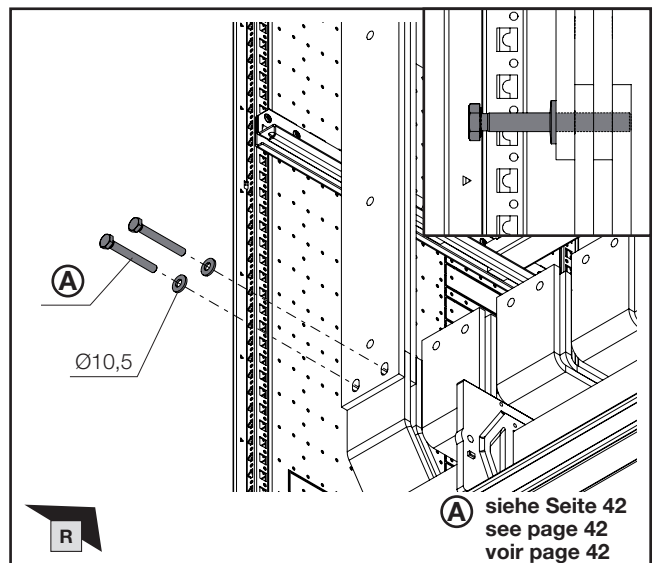
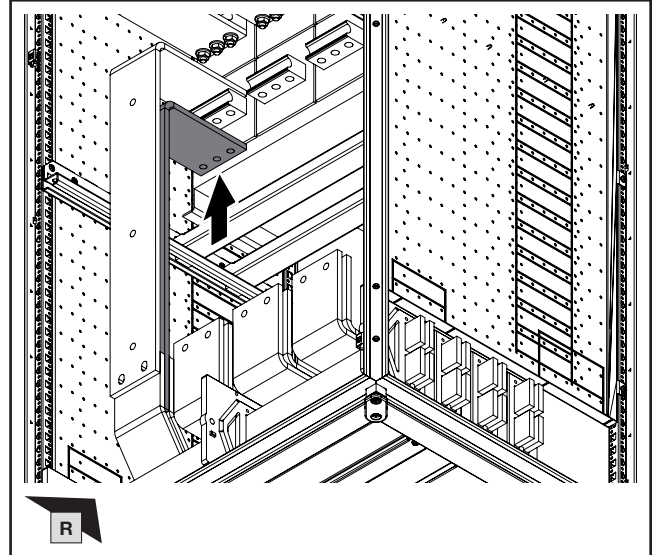
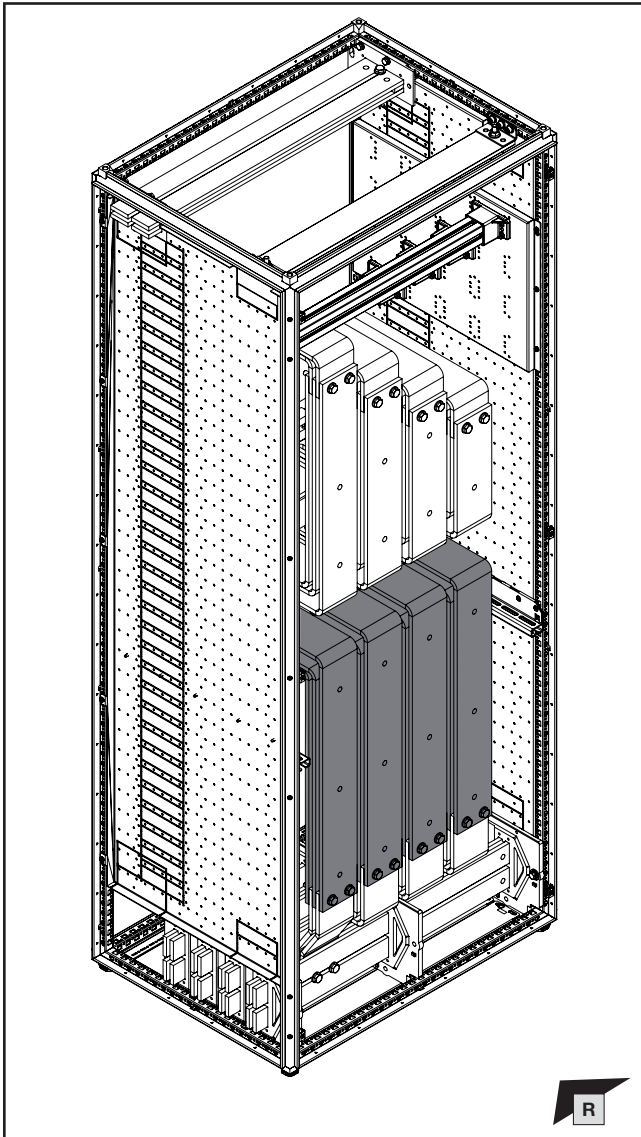


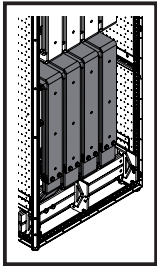
1. Montage 4-poliges HSS
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1. Montage du jeu de barres principal tétrapolaire

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1.14 Fitting the circuit-breaker – Lower connector kit

1.14 Montage du disjoncteur de puissance – kit de jonction inférieur



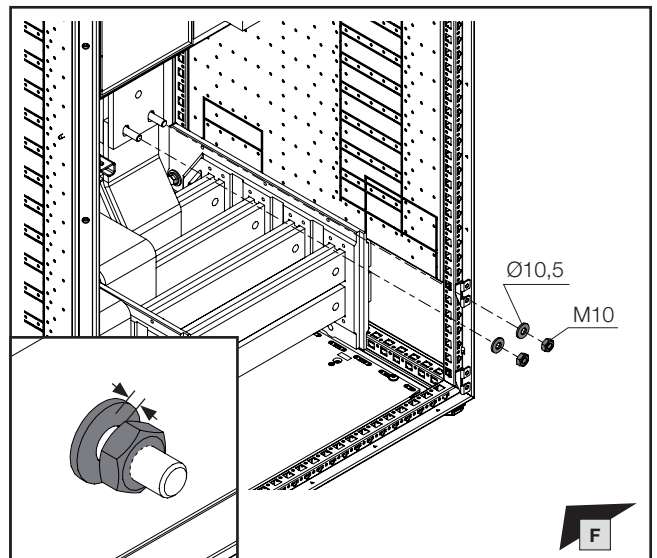
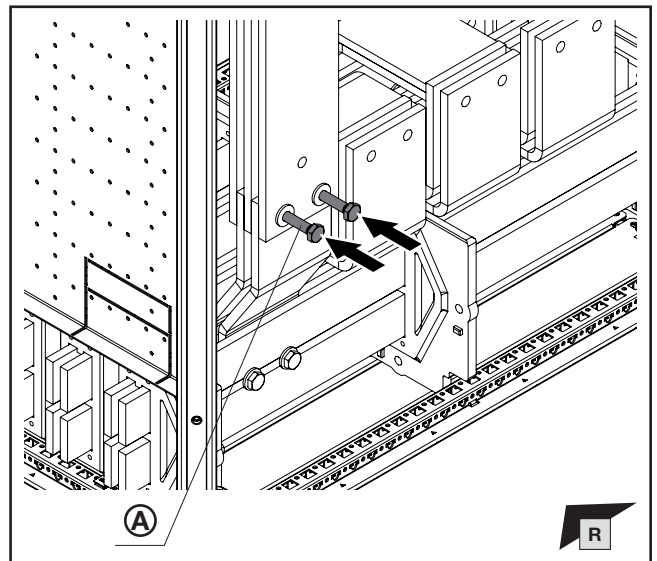
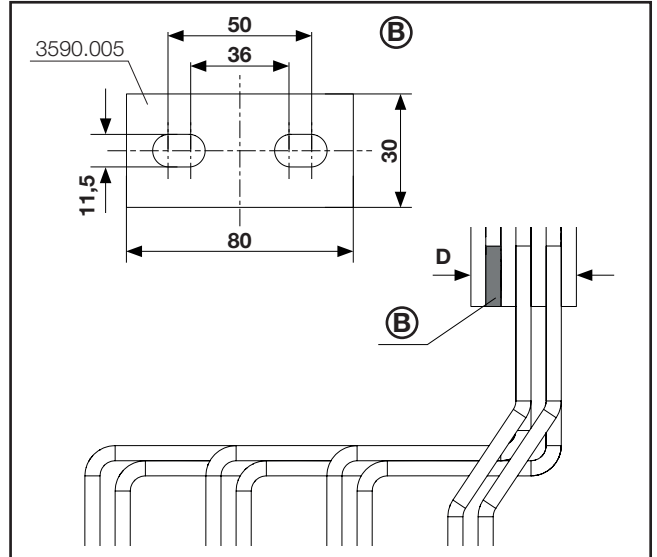
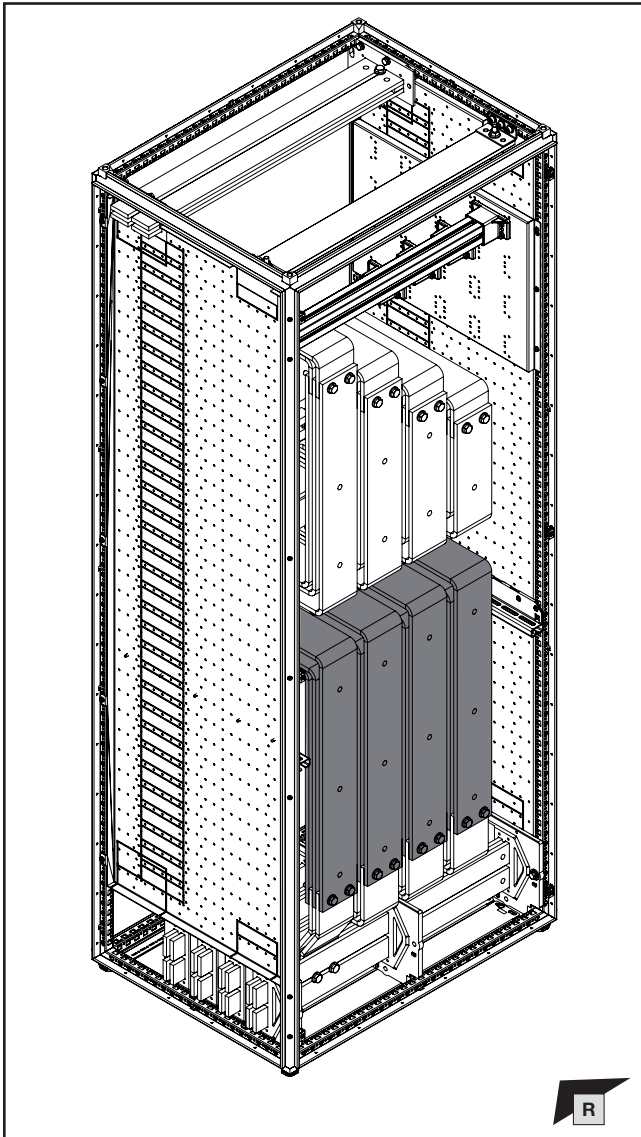


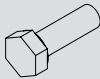
- 1. Montage 4-poliges HSS
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- 1. Montage du jeu de barres principal tétrapolaire

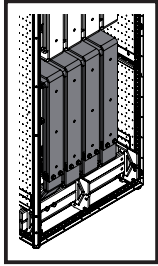
1.14 Montage des offenen Leistungsschalters – unterer Verbindungssatz

1.14 Fitting the circuit-breaker – Lower connector kit

1.14 Montage du disjoncteur de puissance – kit de jonction inférieur

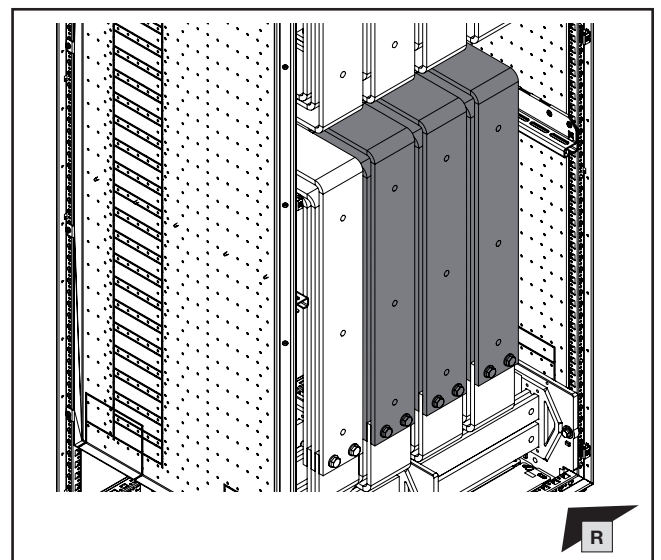
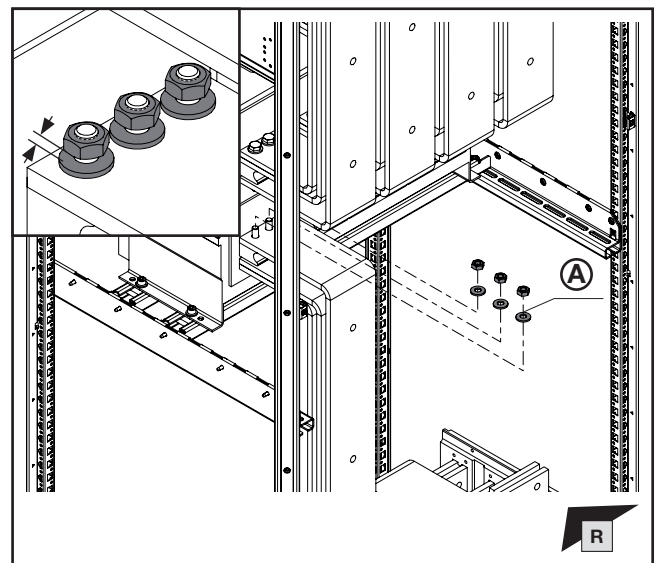
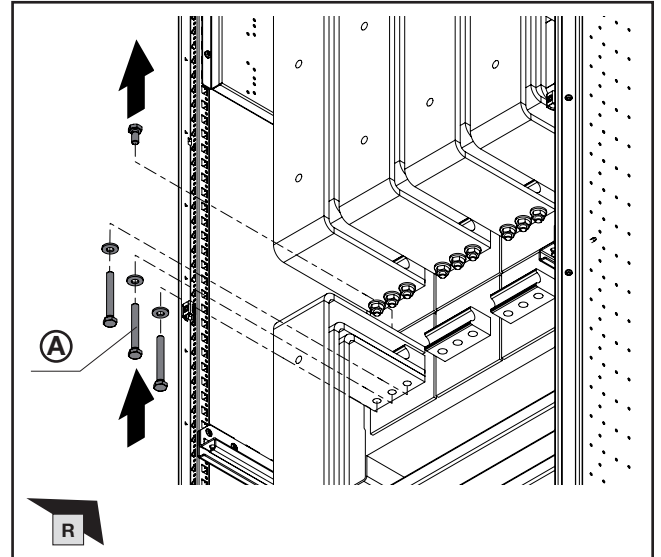
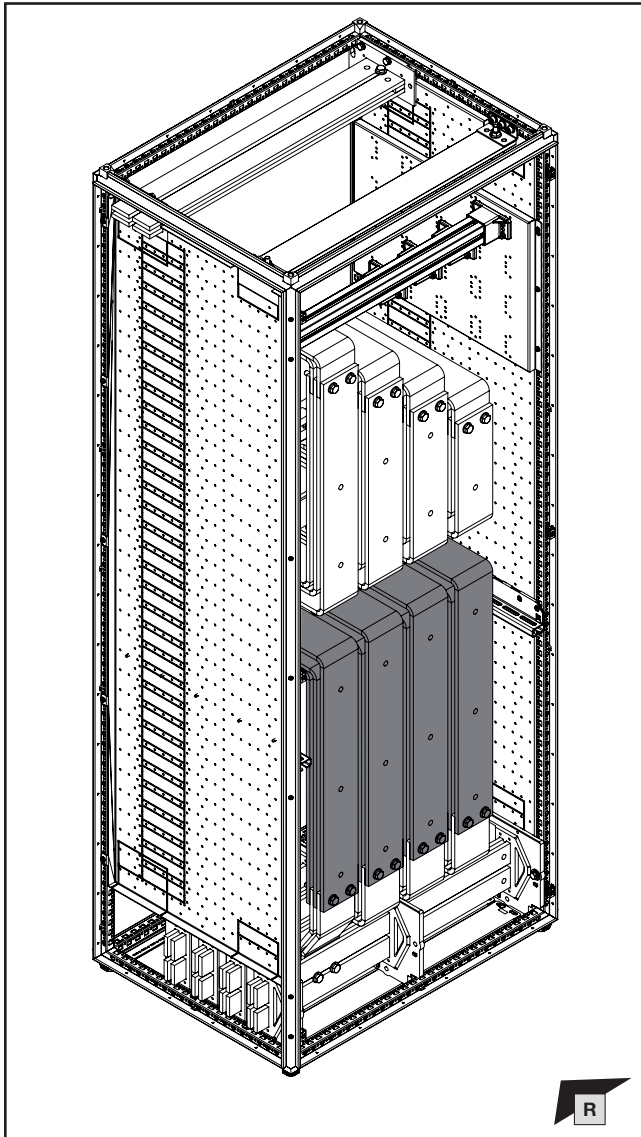


D mm		L mm	A Best.-Nr. Model No. Référence
20		35	9686.830
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50		65	9686.855
70		85	9686.885

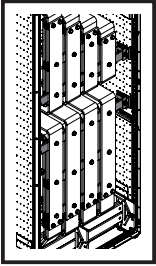


1. Montage 4-poliges HSS
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 1. Montage du jeu de barres principal tétrapolaire

- 1.14 Montage des offenen Leistungsschalters – unterer Verbindungssatz
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Hinweis / Note / Remarque (A)
Auswahl Befestigungsschrauben gemäß Hersteller des ACB!
Selection of fastening screws in accordance with the manufacturer of the ACB!
Choix des vis de fixation en fonction de la marque du disjoncteur de puissance !

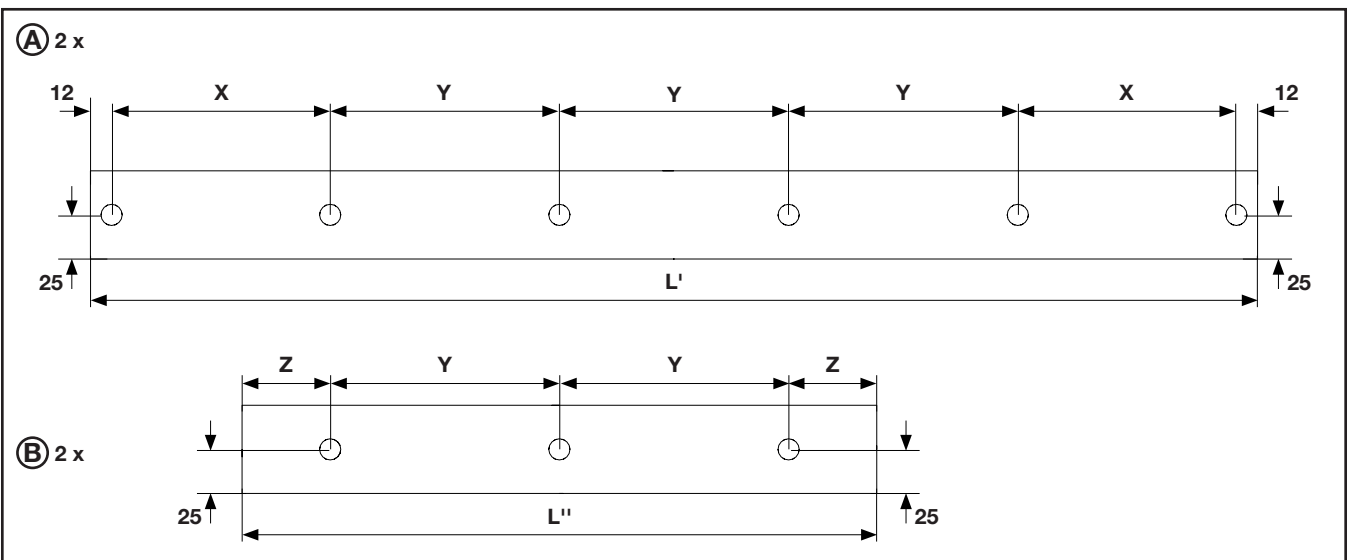
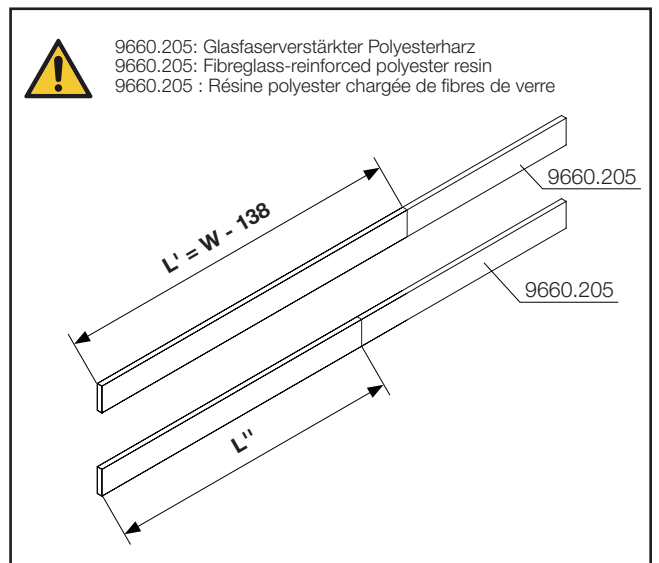
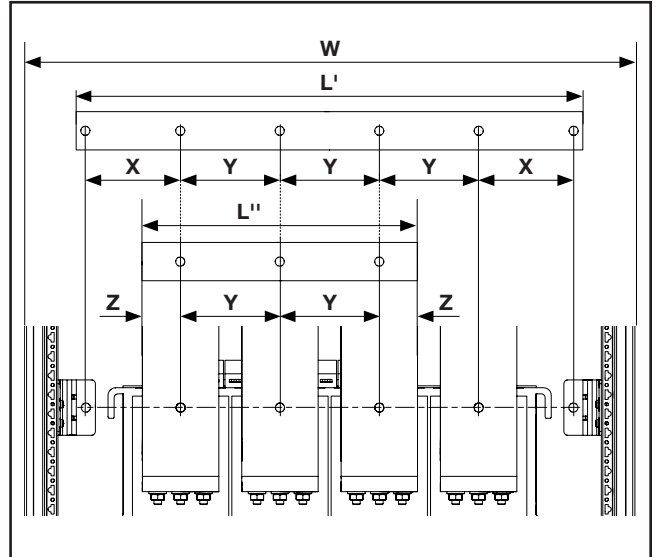
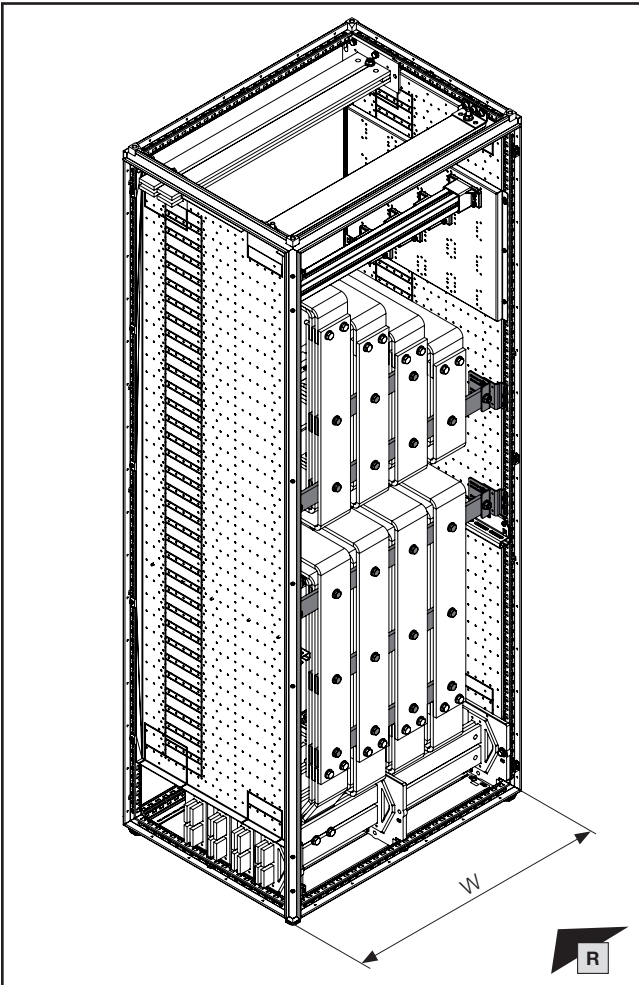


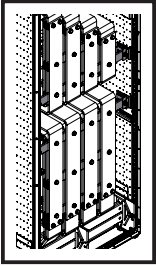
DE EN FR



1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

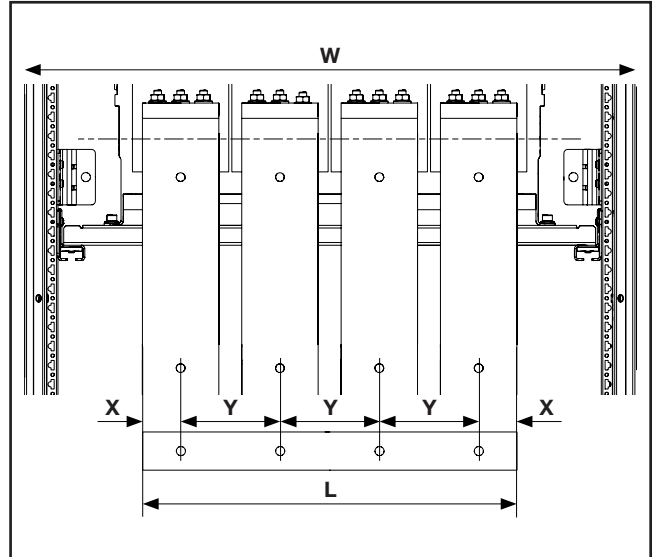
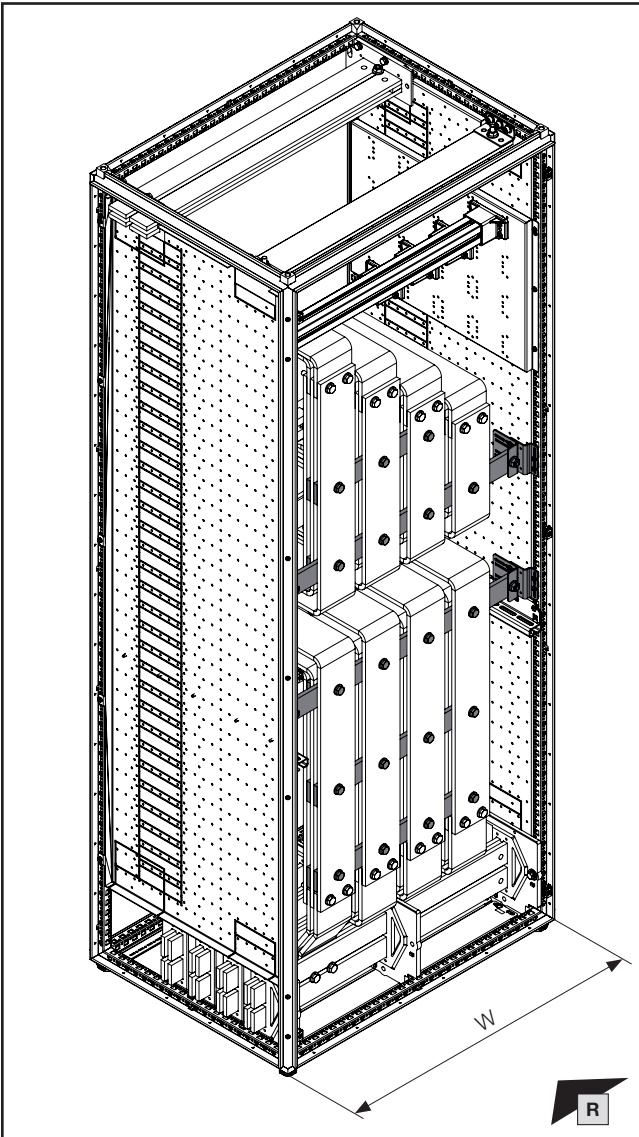
- 1.15 Vorbereitung der Stabilisatoren
- 1.15 Preparing the stabilisers
- 1.15 Préparation des stabilisateurs



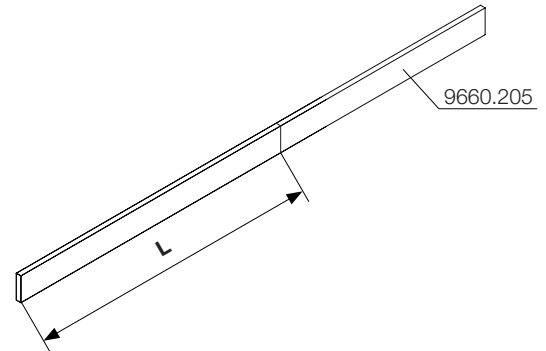


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

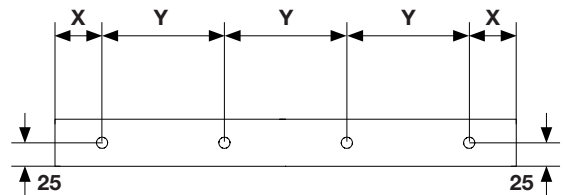
- 1.15 Vorbereitung der Stabilisatoren
- 1.15 Preparing the stabilisers
- 1.15 Préparation des stabilisateurs

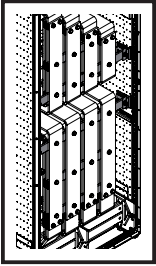


9660.205: Glasfaserverstärkter Polyesterharz
 9660.205: Fibreglass-reinforced polyester resin
 9660.205 : Résine polyester chargée de fibres de verre



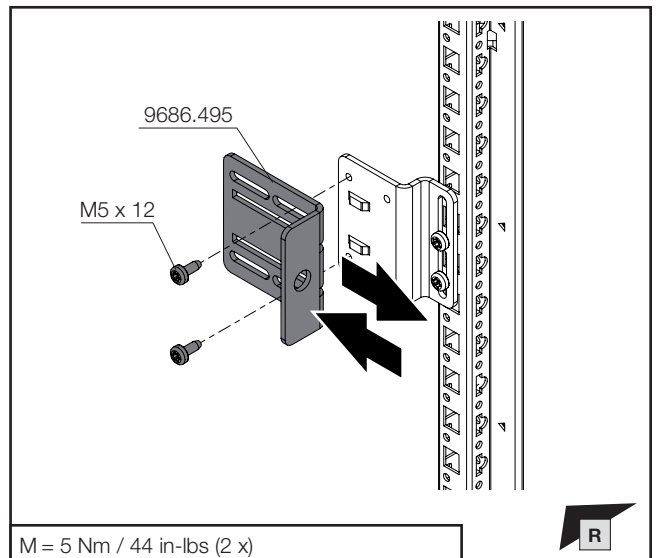
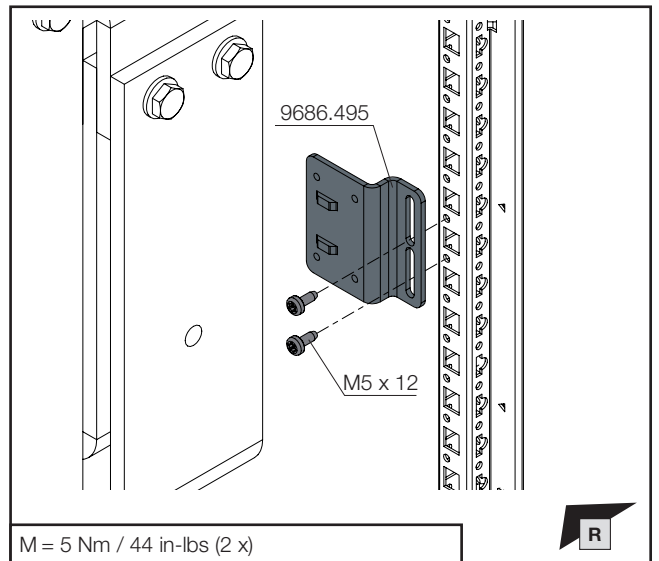
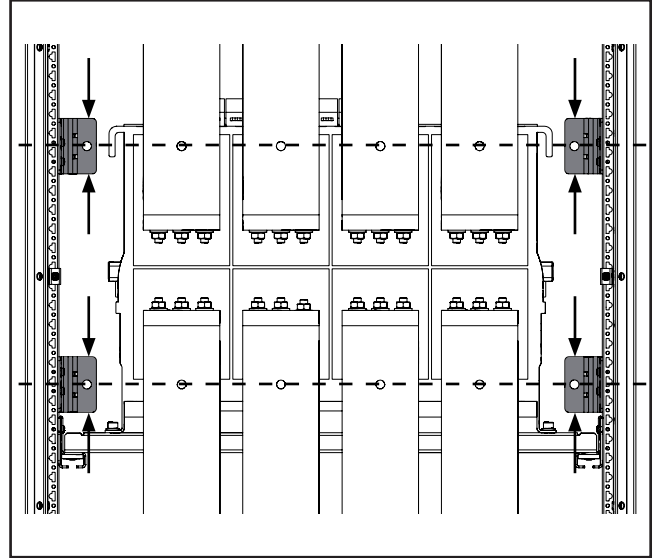
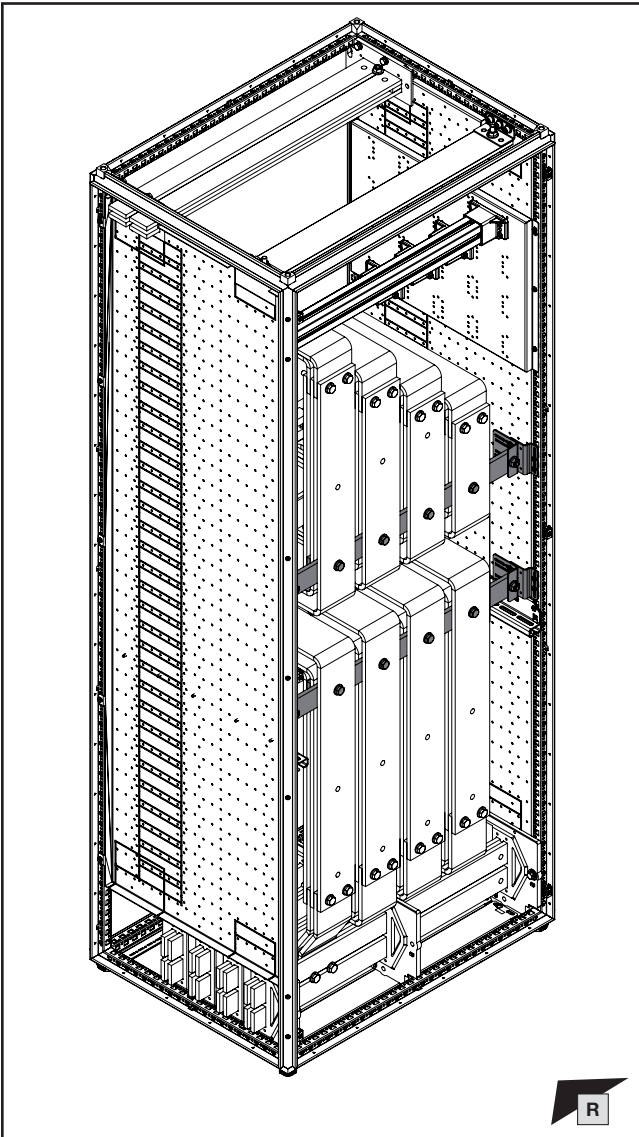
© 6 x

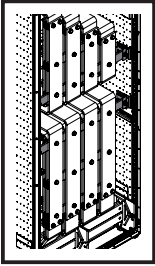




- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.16 Montage der Stabilisatoren
- 1.16 Fitting the stabilisers
- 1.16 Montage des stabilisateurs





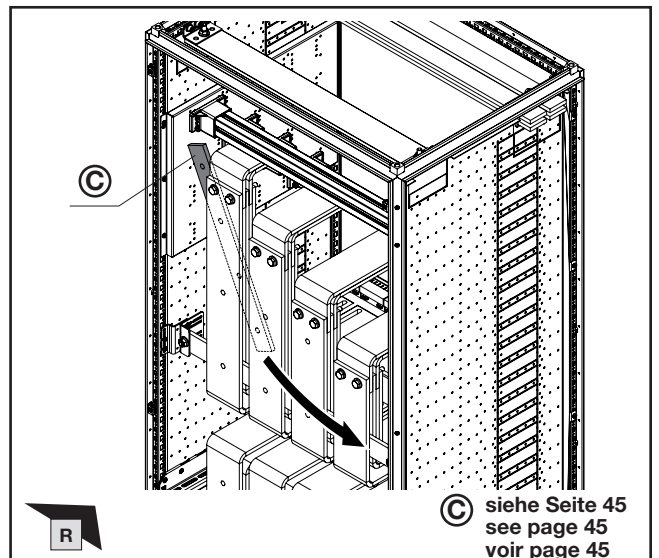
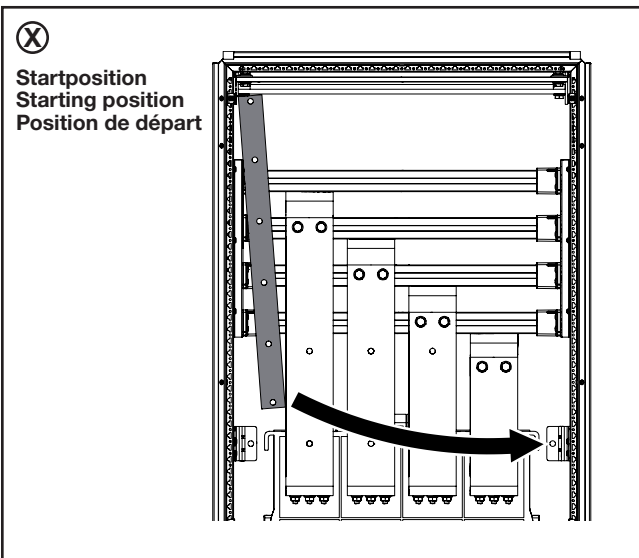
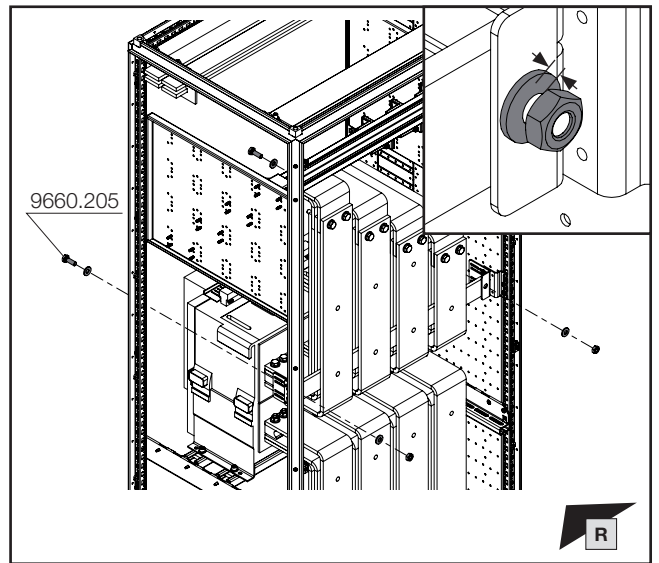
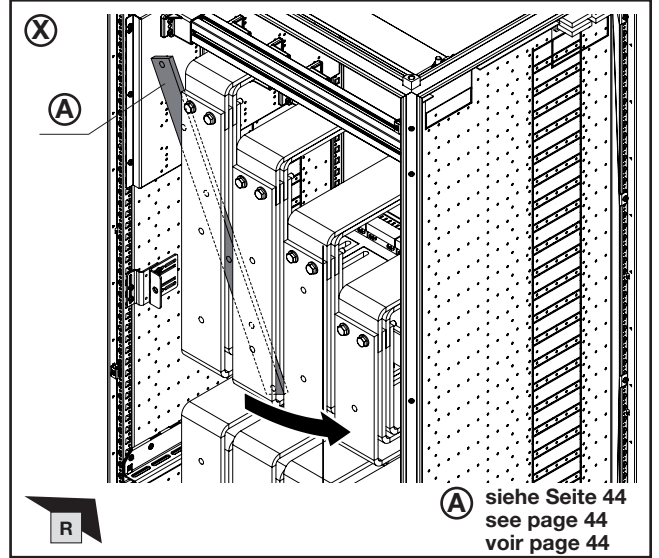
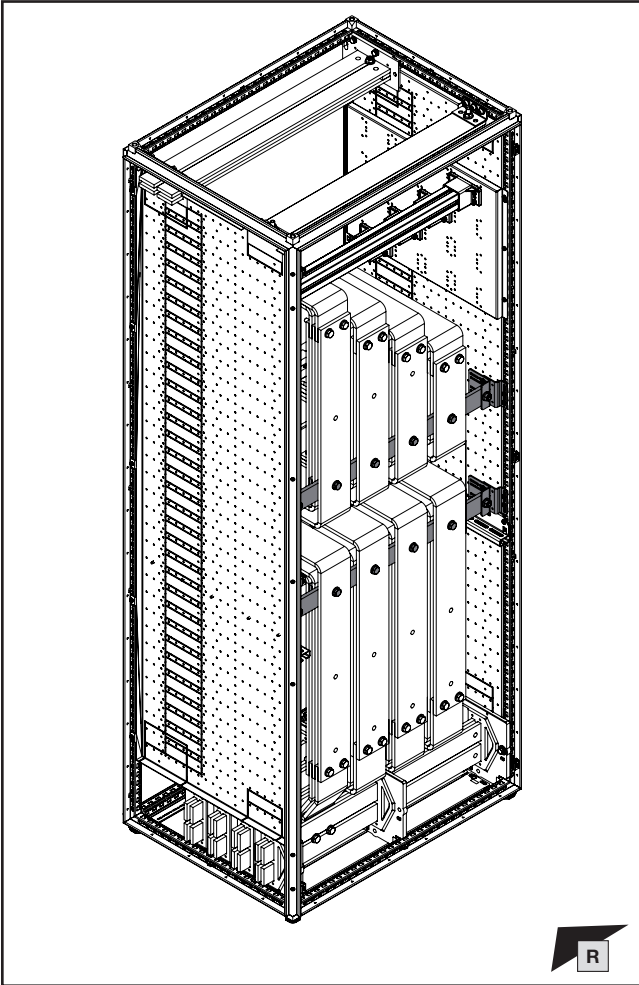
SW16/
SW17

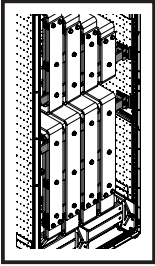
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.16 Montage der Stabilisatoren
- 1.16 Fitting the stabilisers
- 1.16 Montage des stabilisateurs



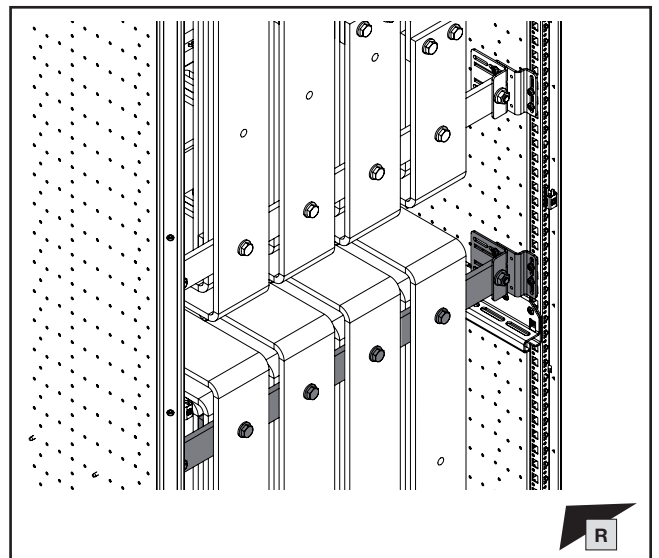
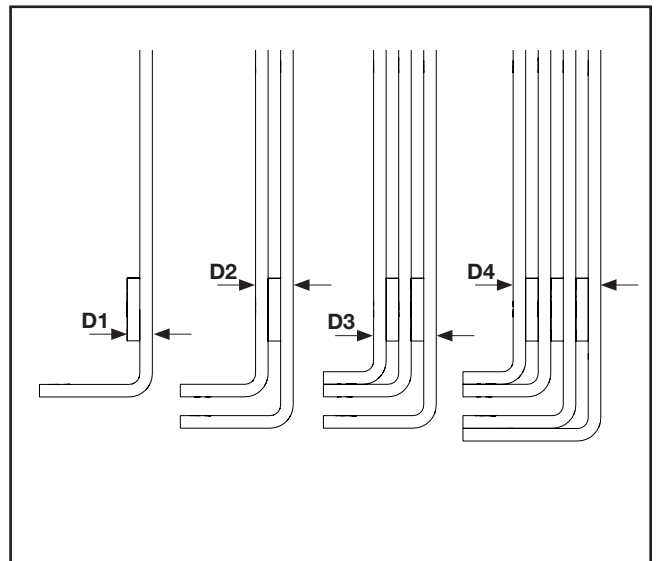
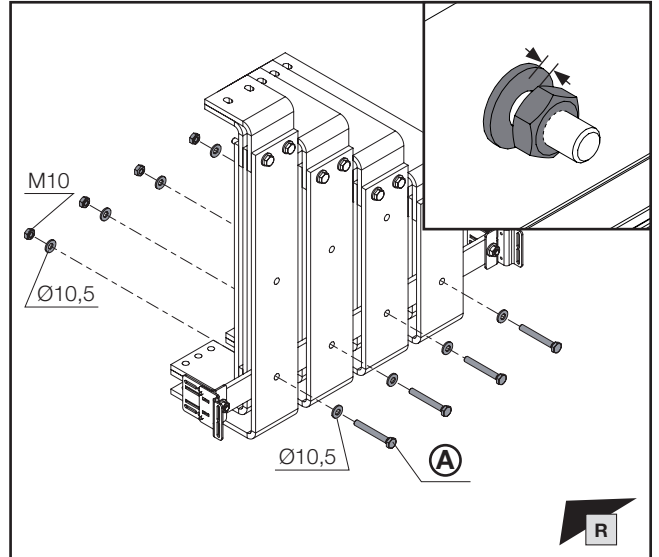
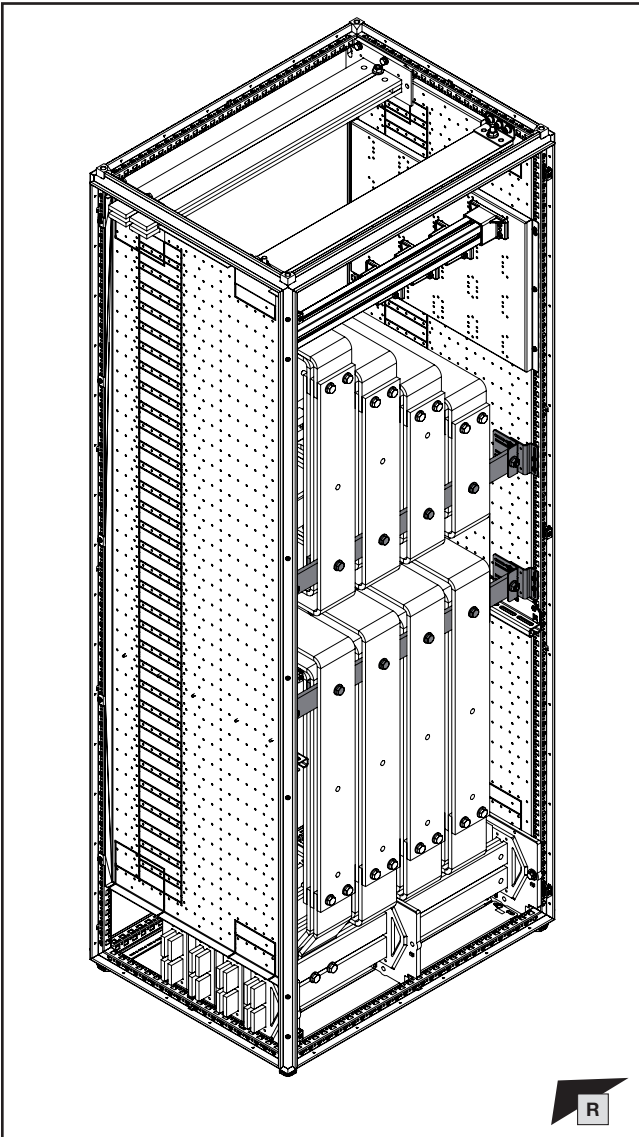


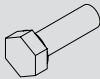
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SW17

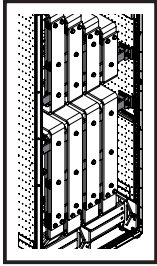


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.16 Montage der Stabilisatoren
- 1.16 Fitting the stabilisers
- 1.16 Montage des stabilisateurs

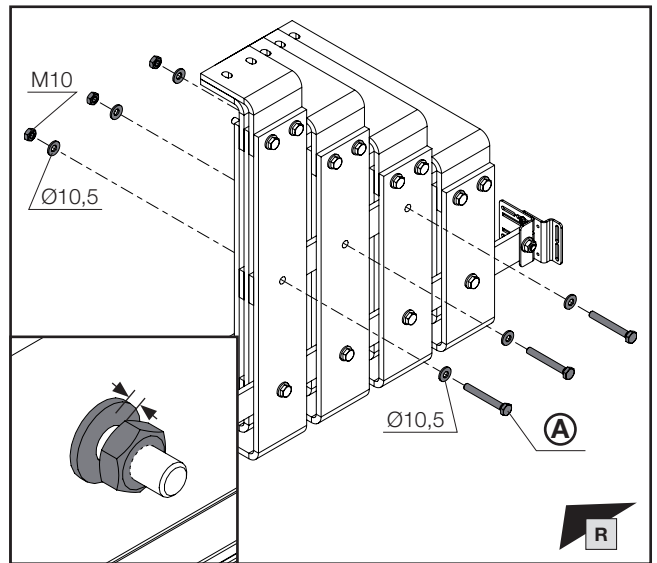
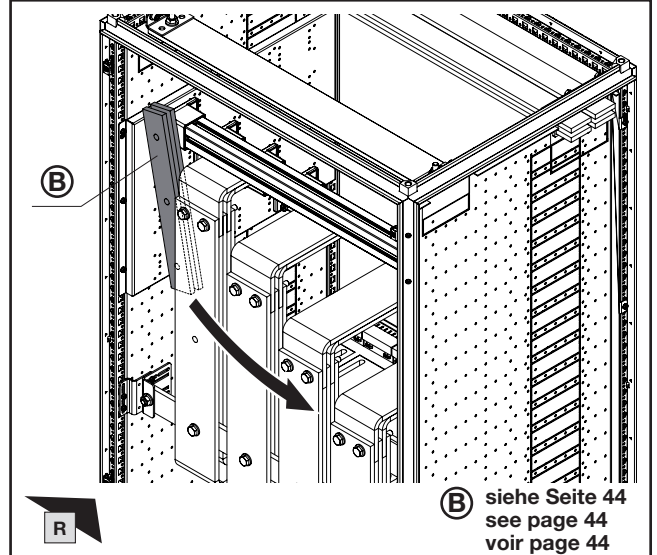
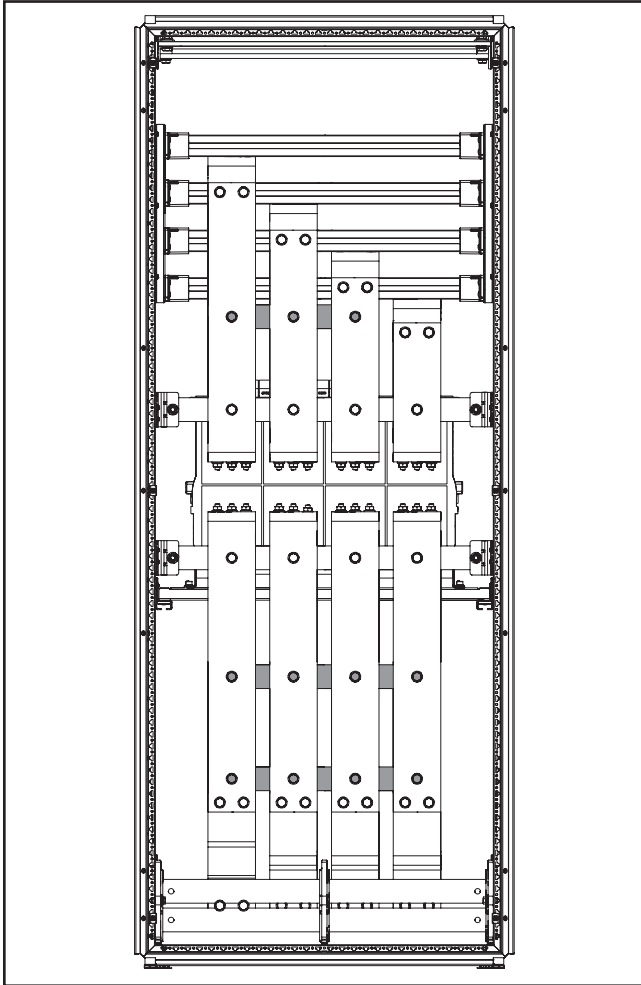



D mm		L mm	(A) Best.-Nr. Model No. Référence
D1	20	35	9686.830
D2	30	45	9686.845
D3	50	65	9686.855
D4	70	85	9686.885

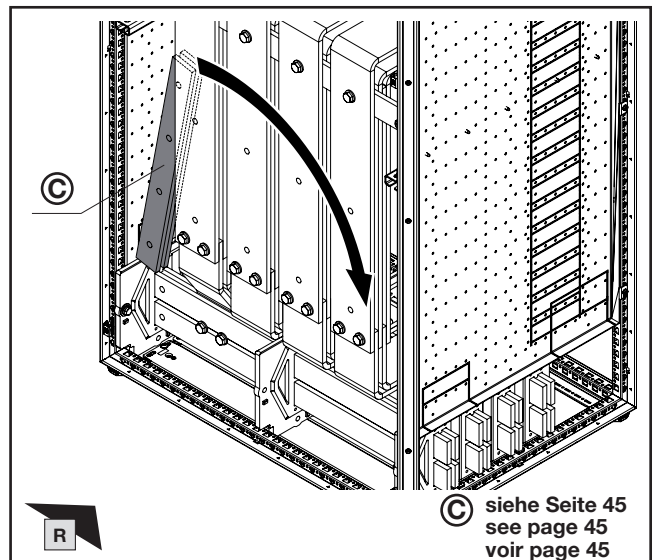
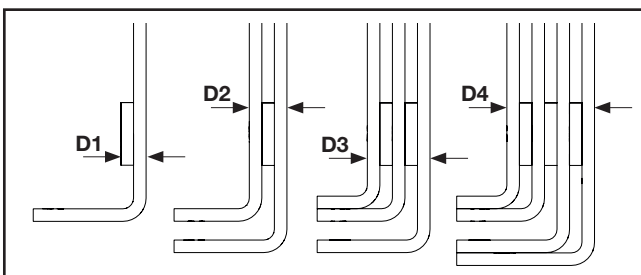


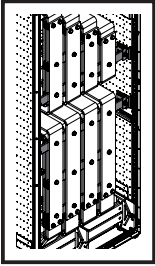
1. Montage 4-poliges HSS
 1. Fitting the 4-pole MBS
 1. Montage du jeu de barres principal tétrapolaire

- 1.16 Montage der Stabilisatoren
 1.16 Fitting the stabilisers
 1.16 Montage des stabilisateurs



D mm		L mm	A Best.-Nr. Model No. Référence
D1	20	35	9686.830
D2	30	45	9686.845
D3	50	65	9686.855
D4	70	85	9686.885



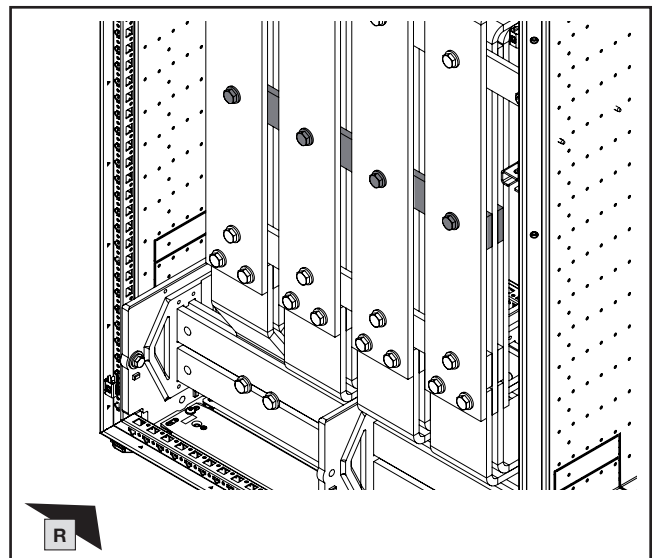
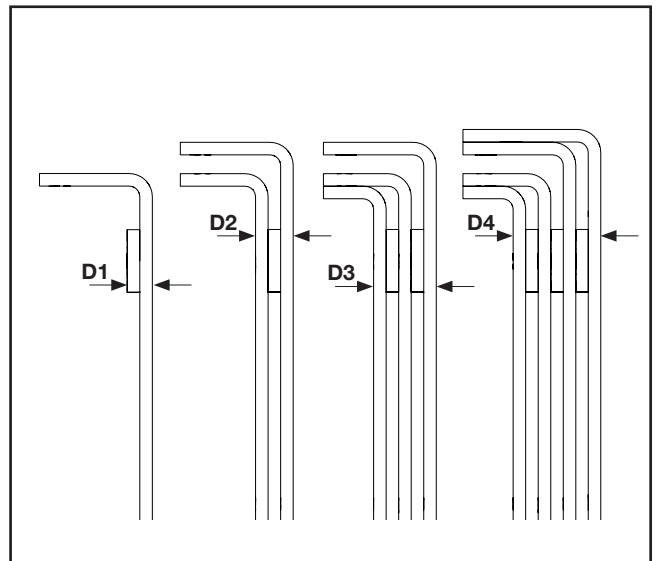
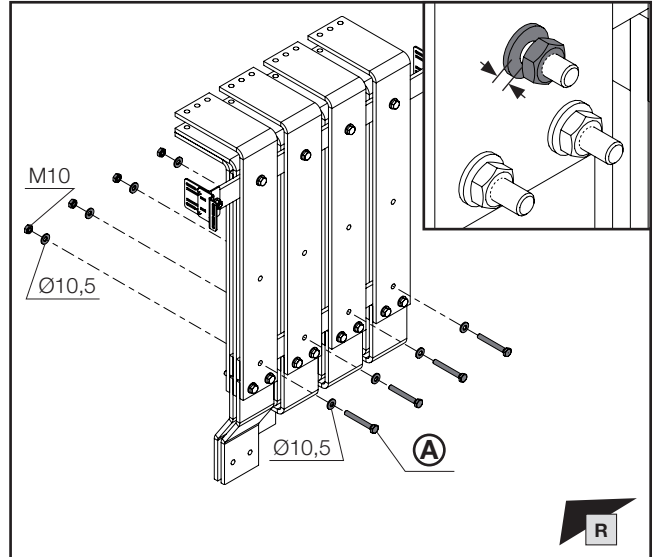
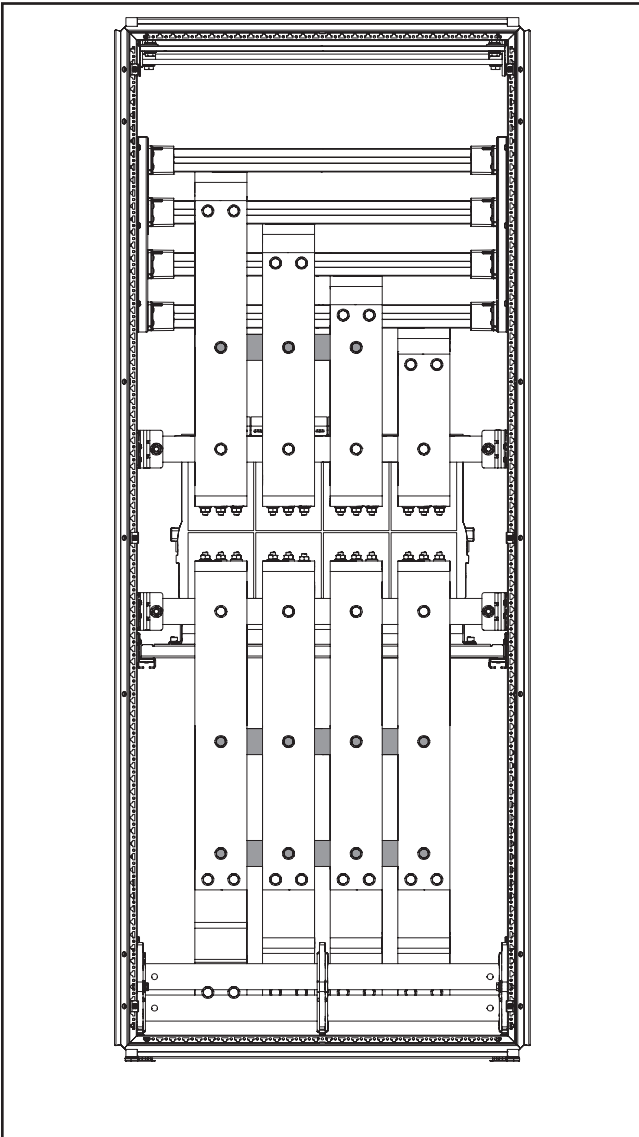



SW16/
SW17

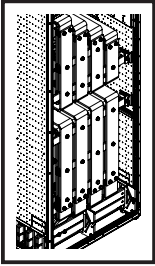


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.16 Montage der Stabilisatoren
- 1.16 Fitting the stabilisers
- 1.16 Montage des stabilisateurs



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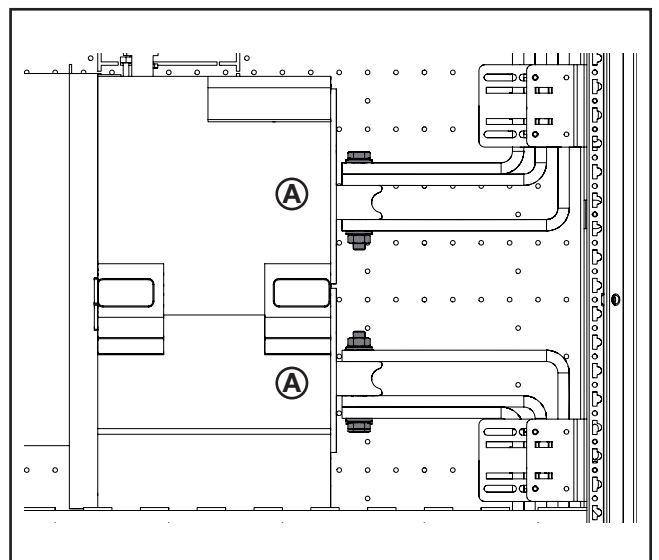
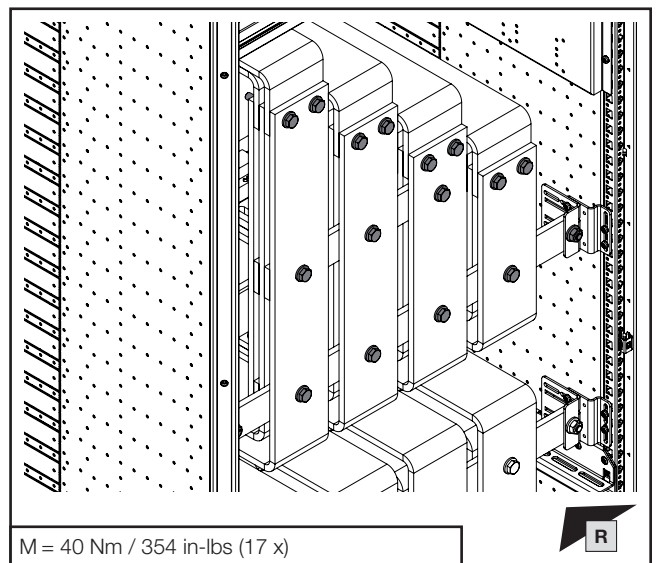
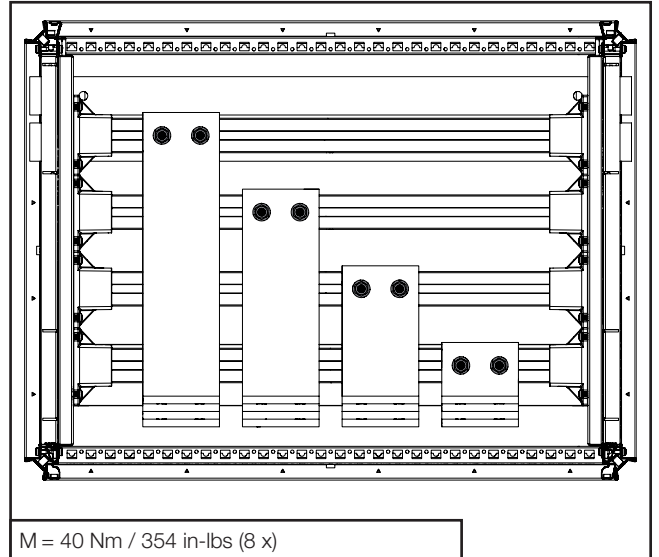
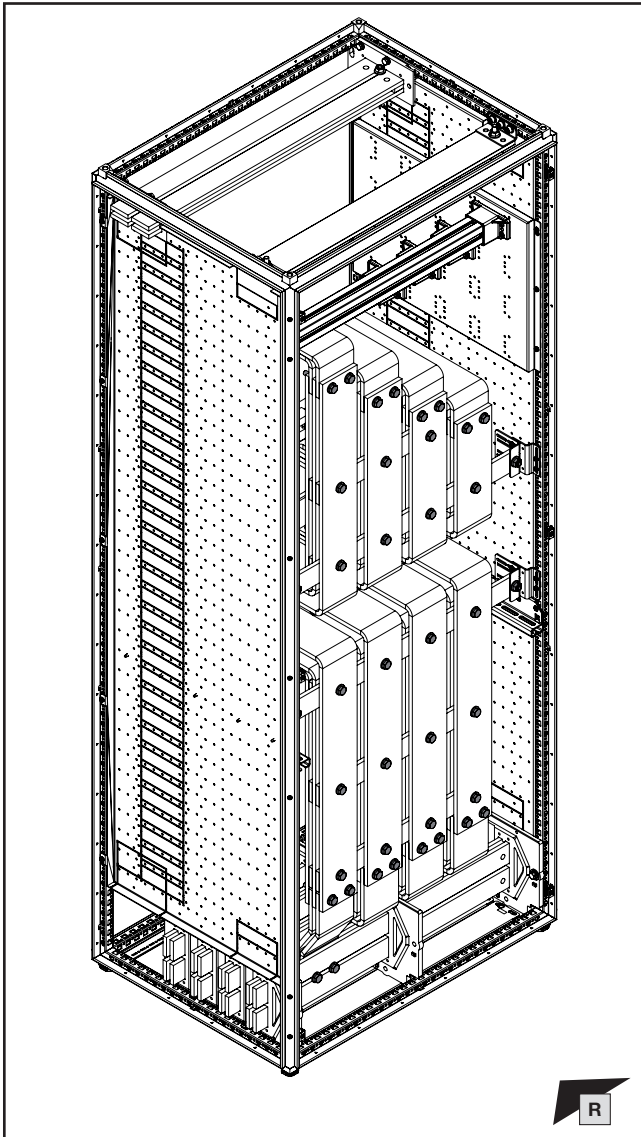


SW16/
SW17 

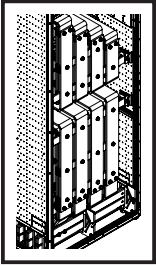


1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.17 Montage des offenen Leistungsschalters – Anziehen der Schrauben
- 1.17 Fitting the circuit-breaker – Tightening the screws
- 1.17 Montage du disjoncteur de puissance – serrage des vis



Hinweis / Note / Remarque (A)
Drehmoment Befestigungsschrauben gemäß Hersteller des ACB!
Tightening torque of the fastening screws in accordance with the manufacturer of the ACB!
Couple de serrage des vis de fixation en fonction de la marque du disjoncteur de puissance !



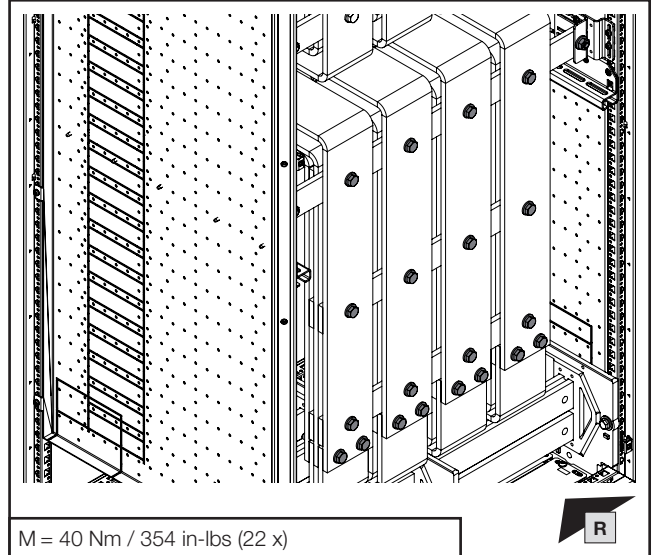
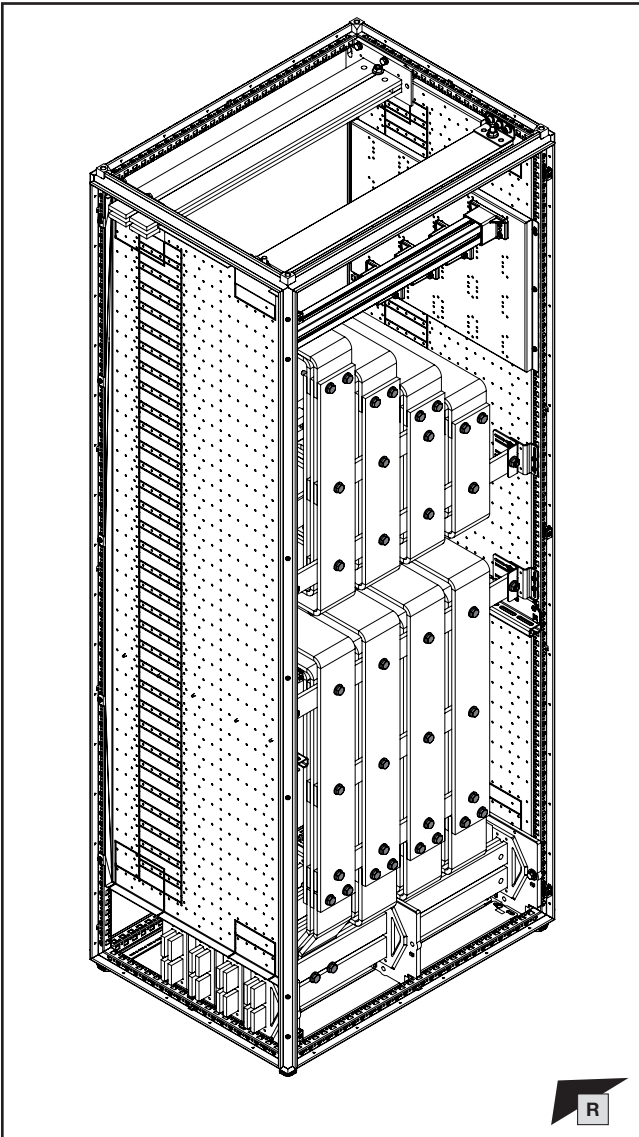
SW16/
SW17

DE EN FR

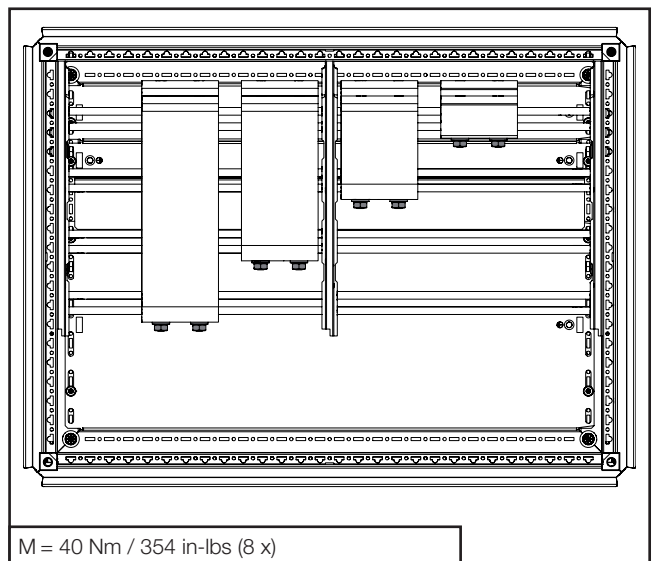


1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

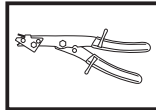
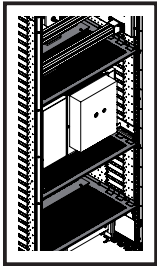
- 1.17 Montage des offenen Leistungsschalters – Anziehen der Schrauben
- 1.17 Fitting the circuit-breaker – Tightening the screws
- 1.17 Montage du disjoncteur de puissance – serrage des vis



M = 40 Nm / 354 in-lbs (22 x)



M = 40 Nm / 354 in-lbs (8 x)

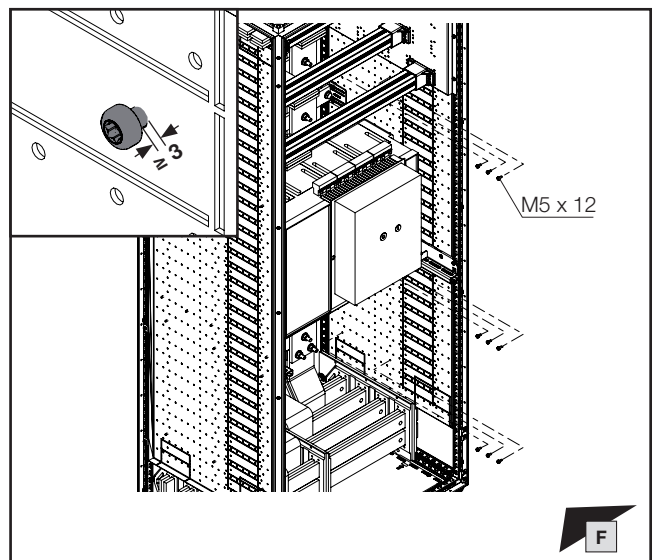
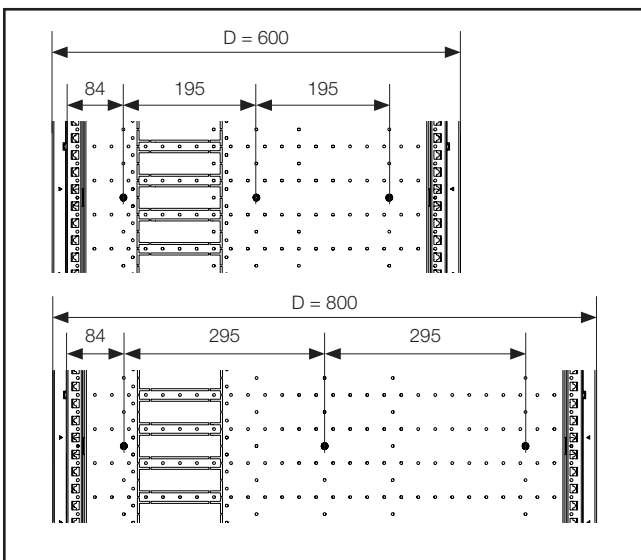
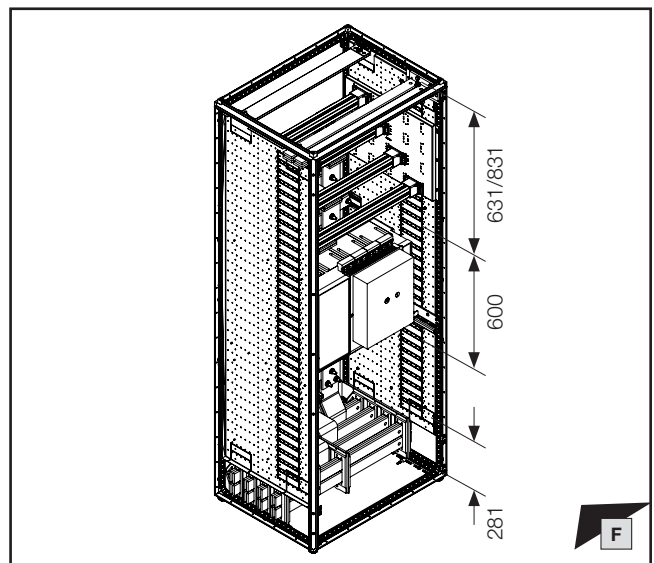
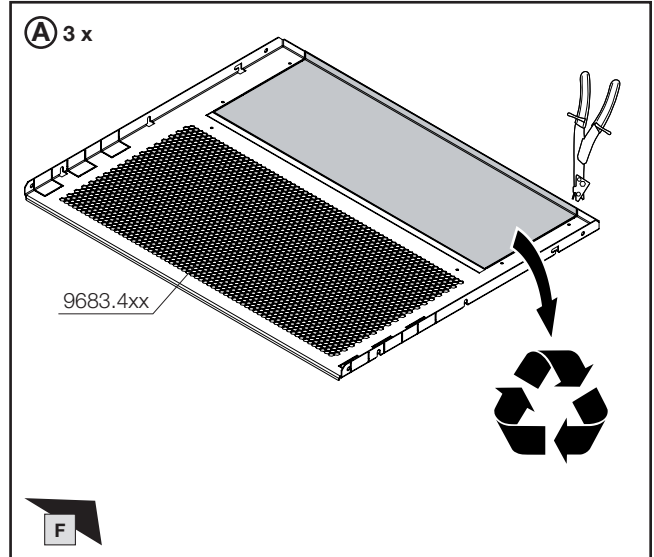
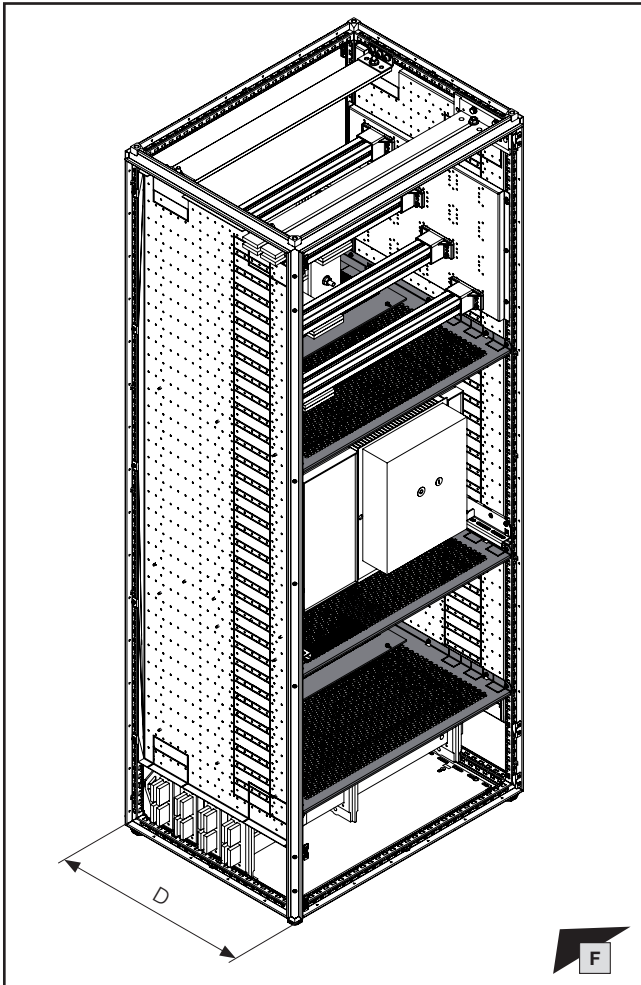


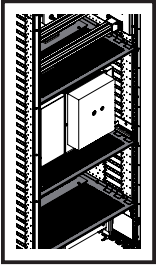
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel





TX30

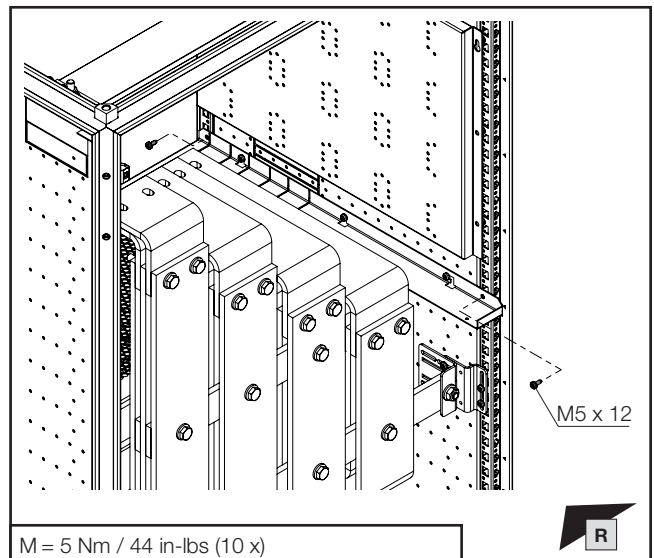
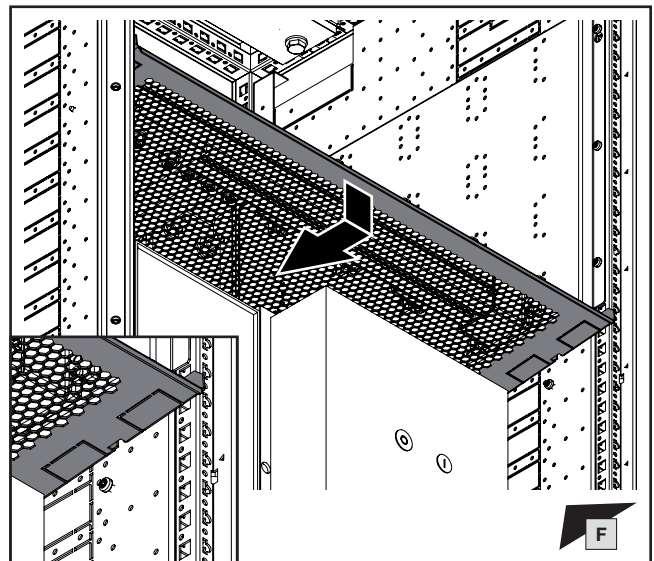
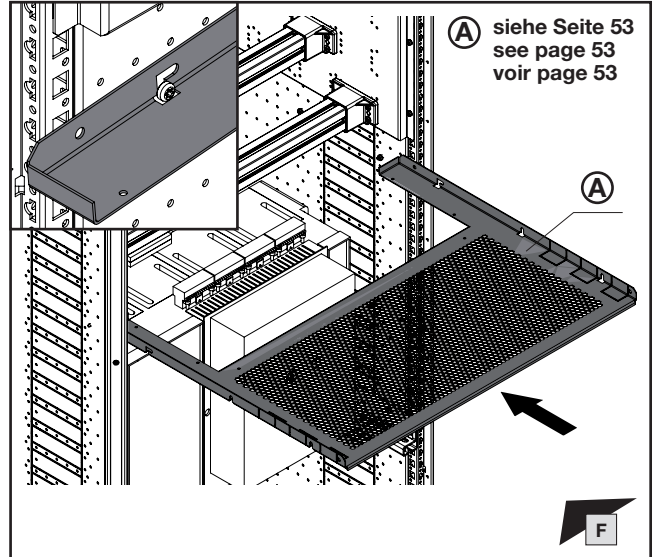
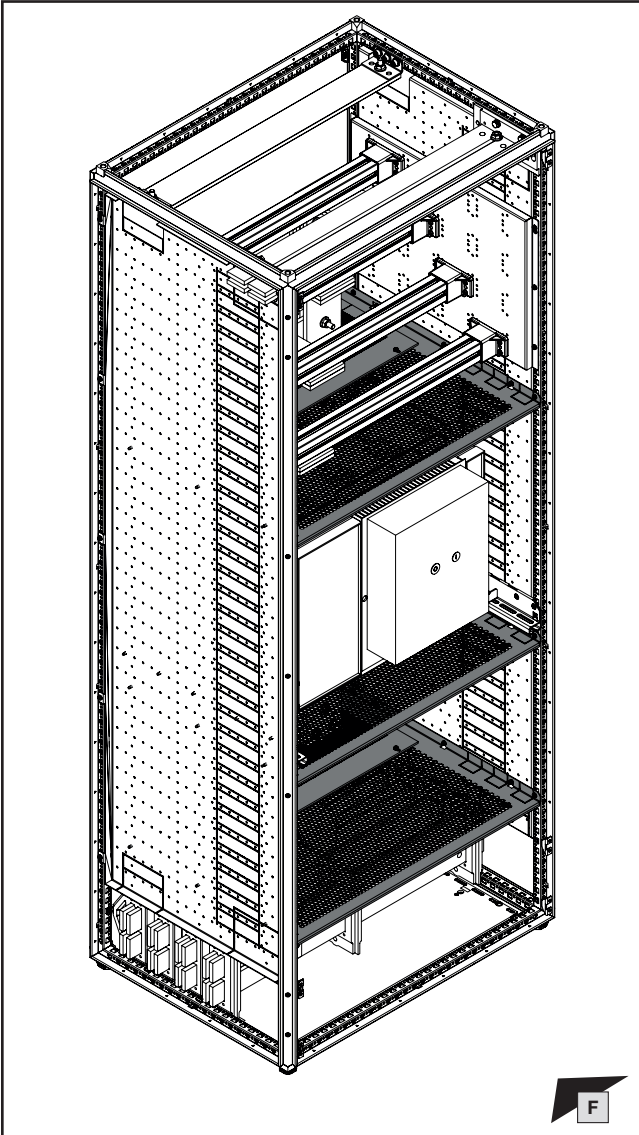


DE EN FR

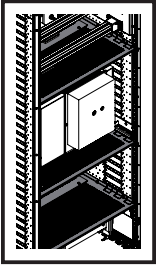


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel



M = 5 Nm / 44 in-lbs (10 x)



TX30

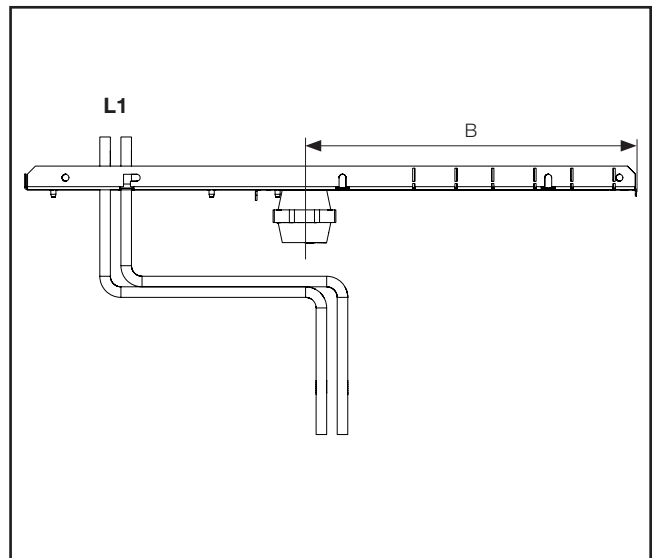
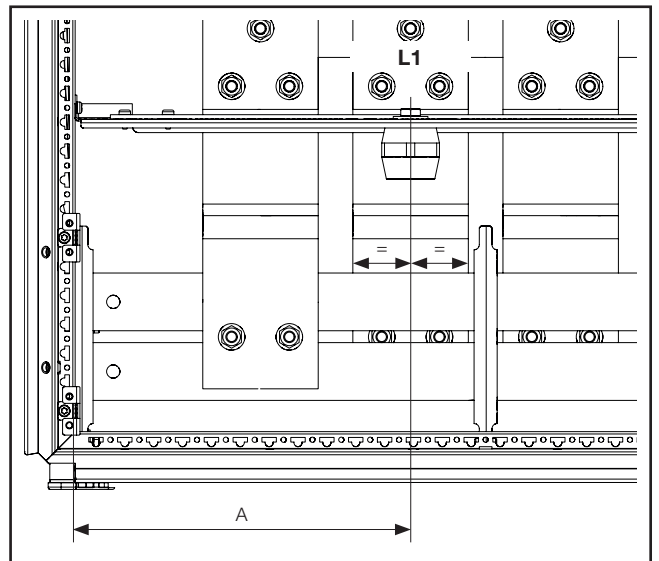
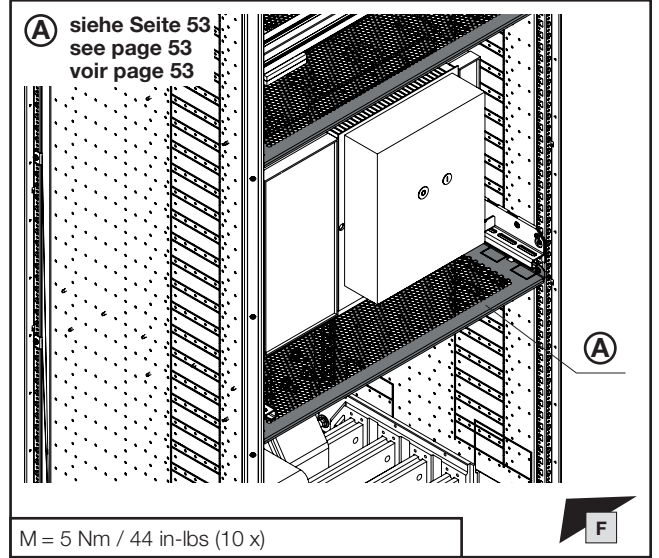
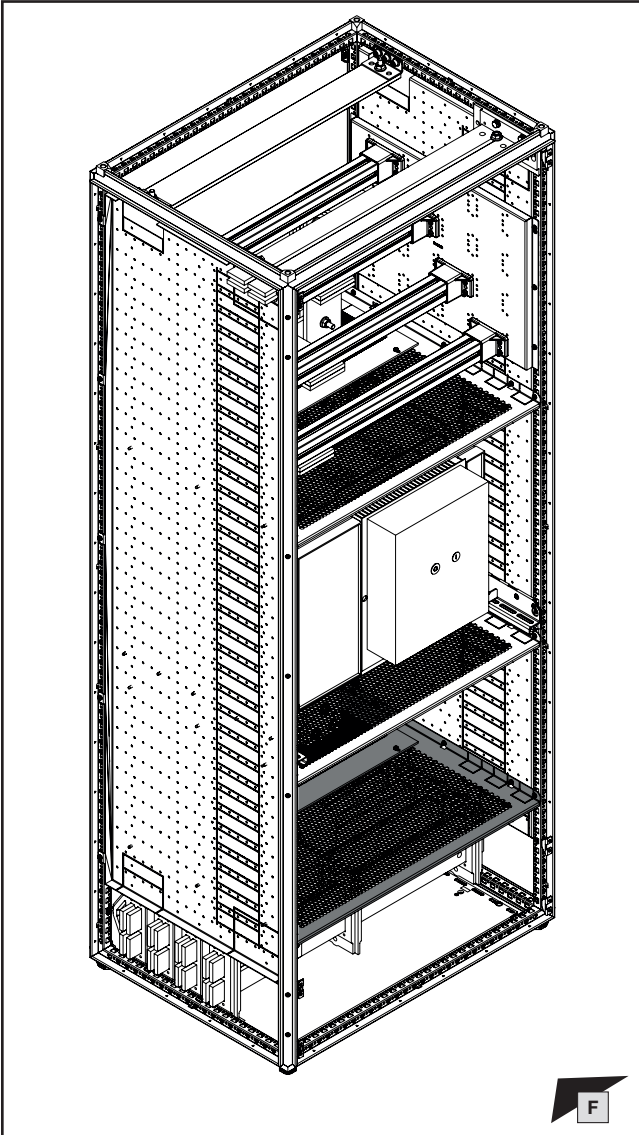


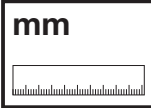
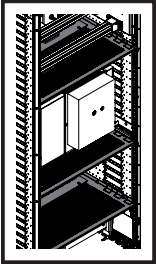
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

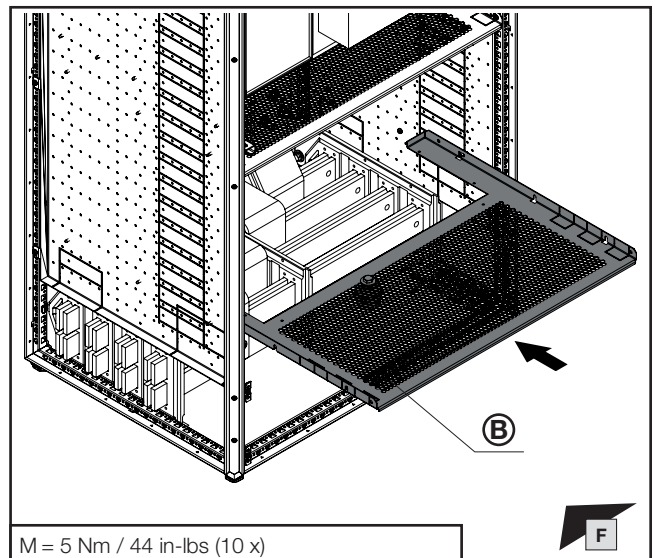
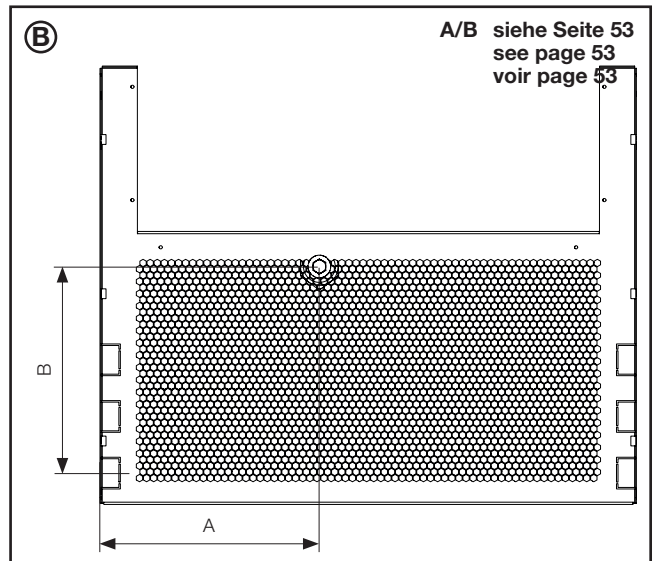
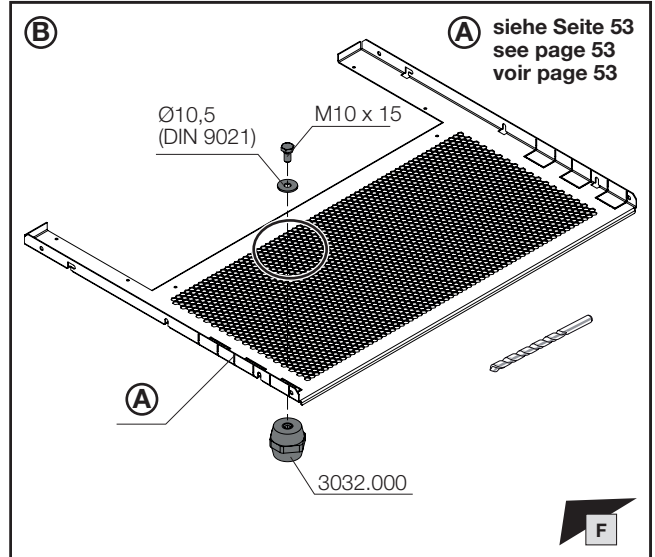
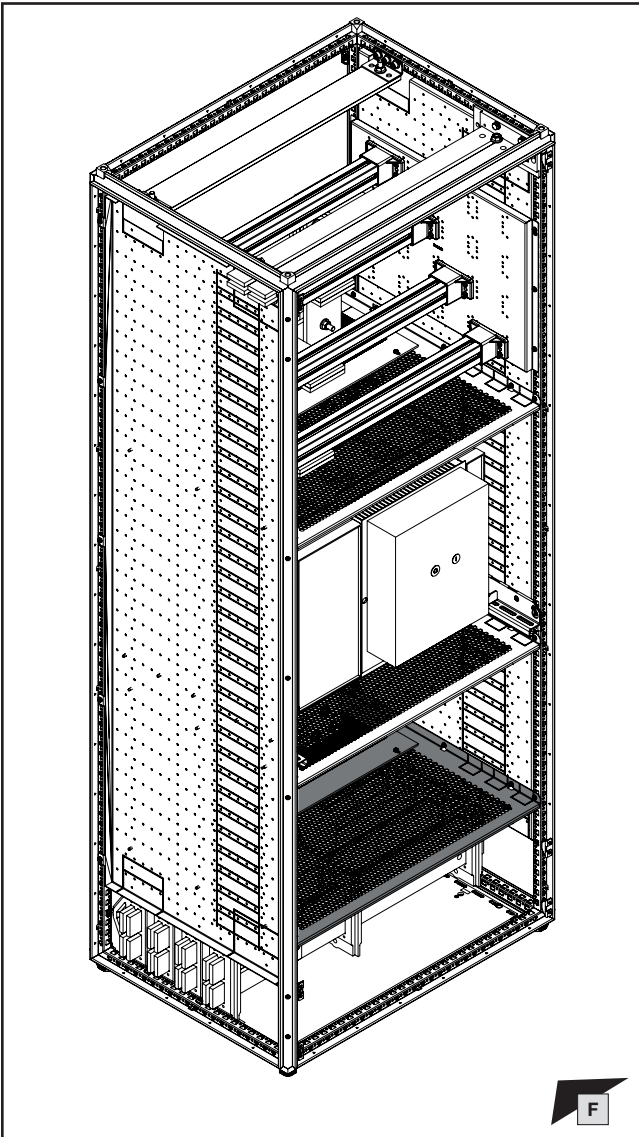
- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel

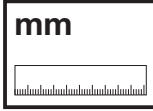
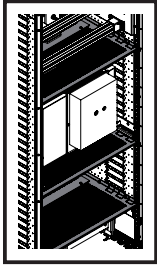




- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

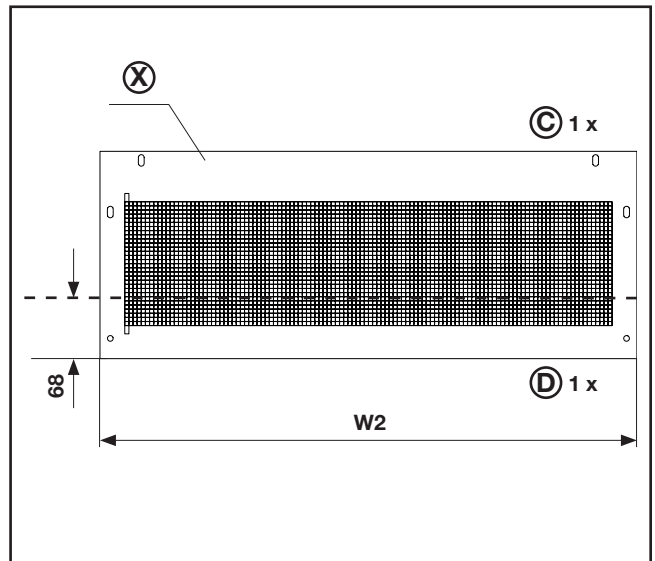
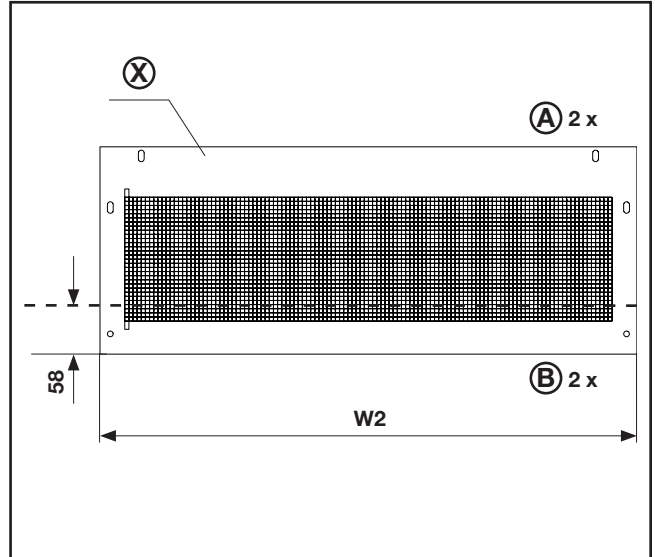
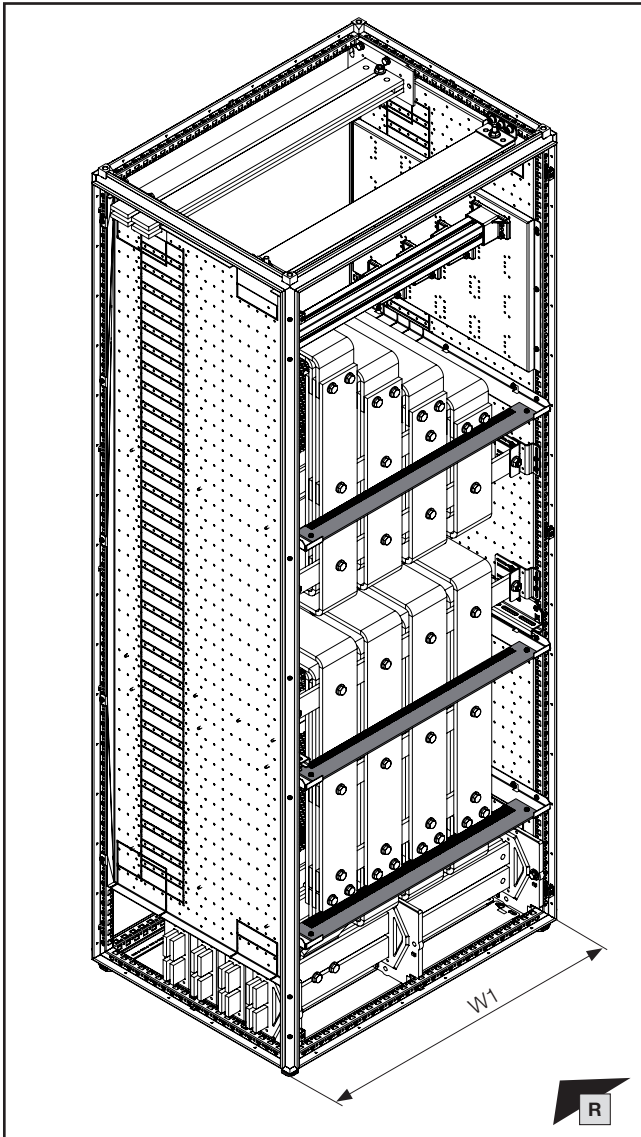
- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel



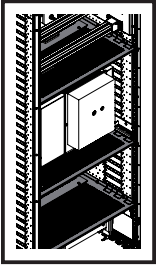


- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel

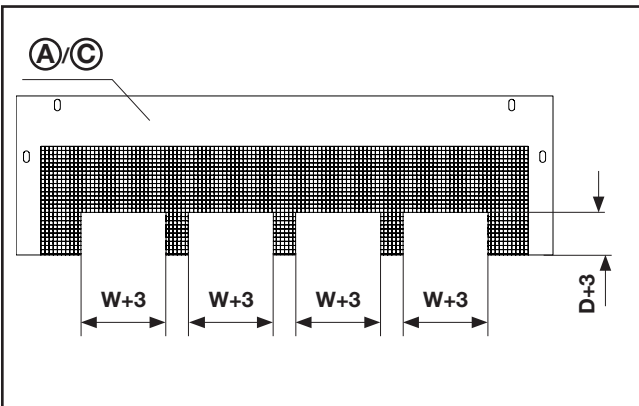
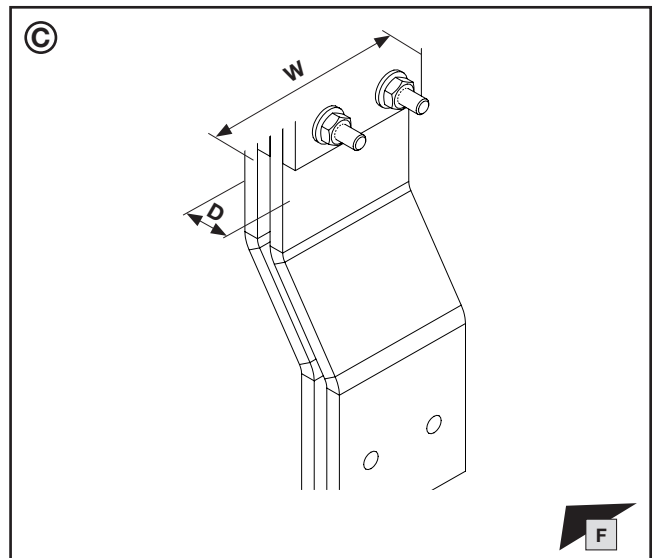
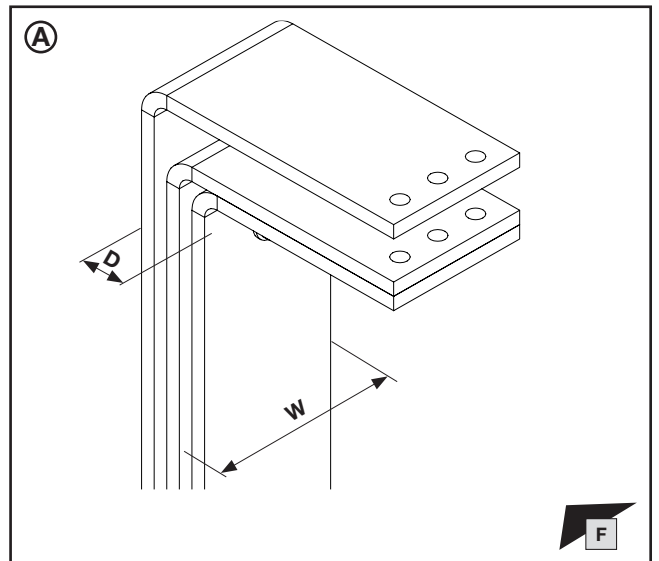
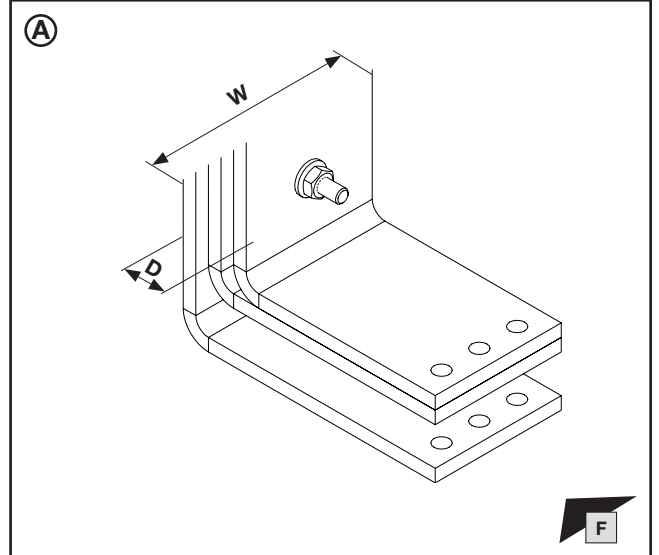
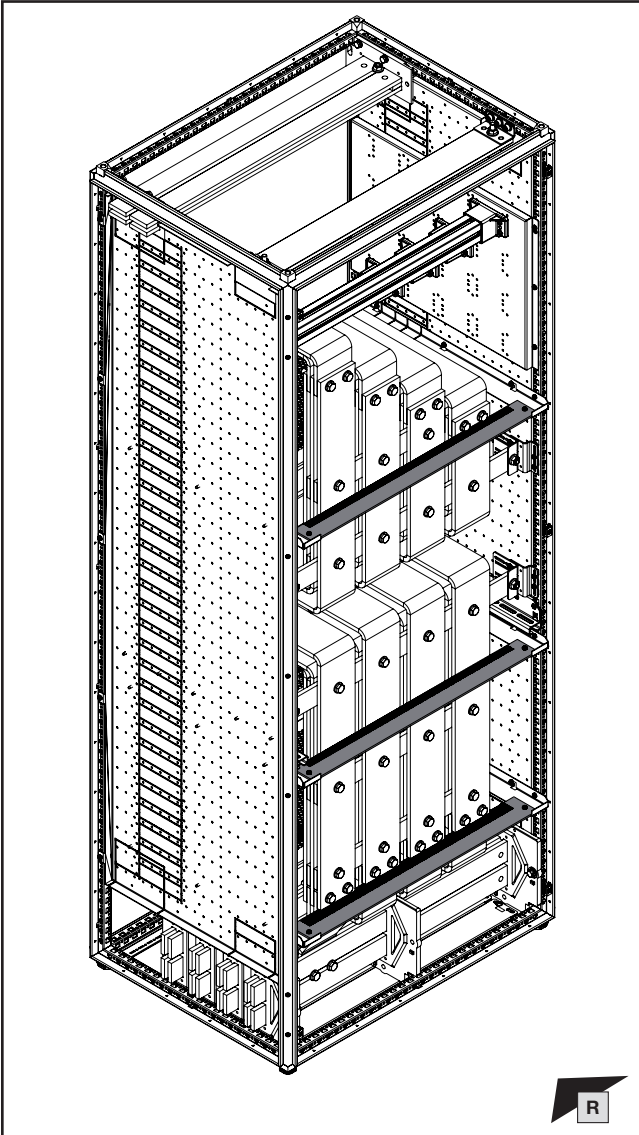


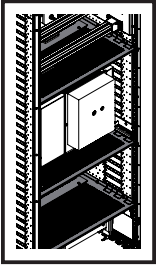
Schrankbreite W1 mm Enclosure width W1 mm Largeur d'armoire W1 mm	Breite W2 mm Width W2 mm Largeur W2 mm	(X) Best.-Nr. Model No. Référence
400	250	9683.504
600	450	9683.506
800	650	9683.508
1000	850	9683.500



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel





TX30

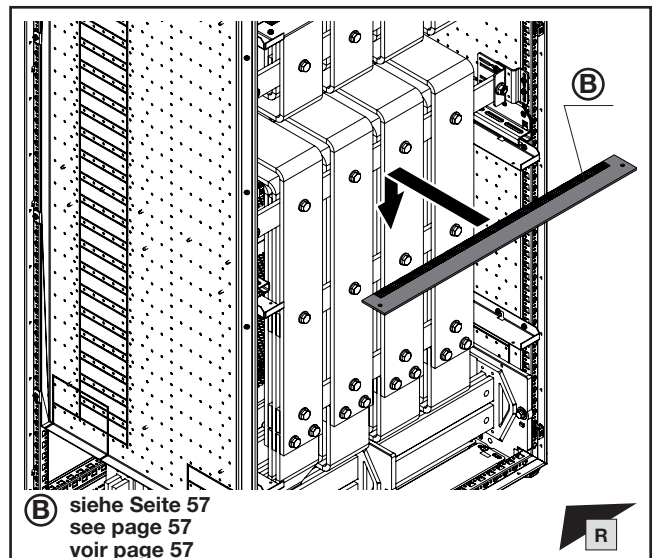
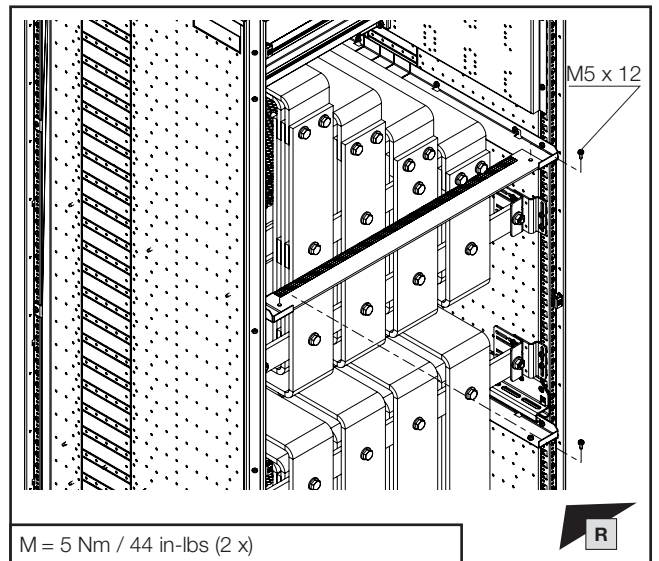
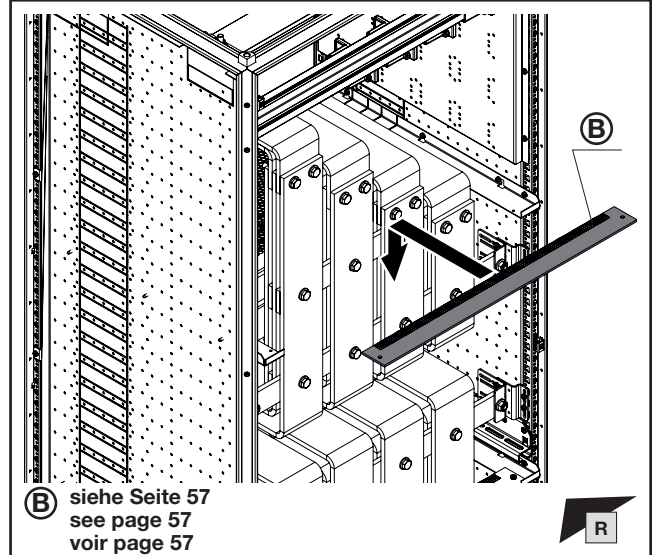
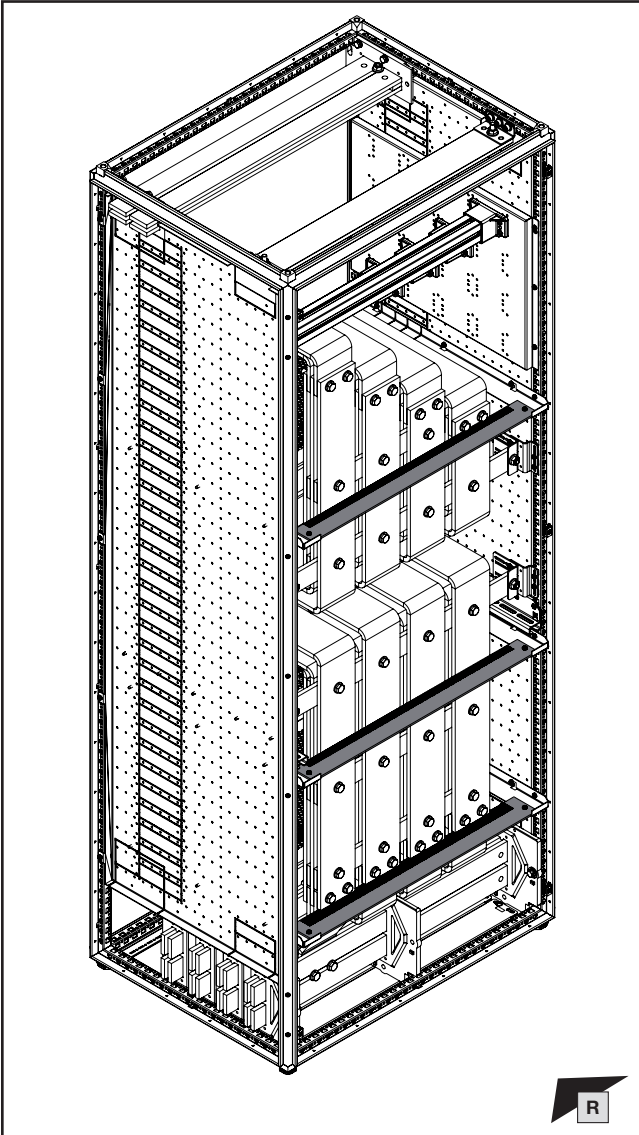


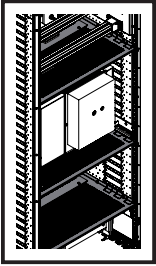
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel





TX30

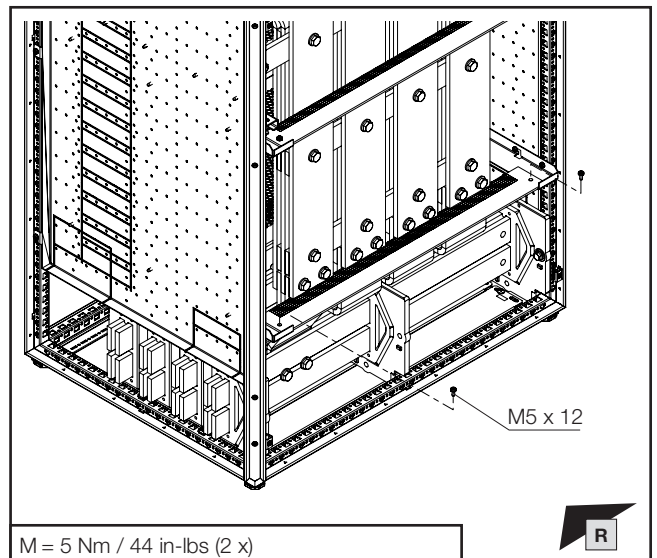
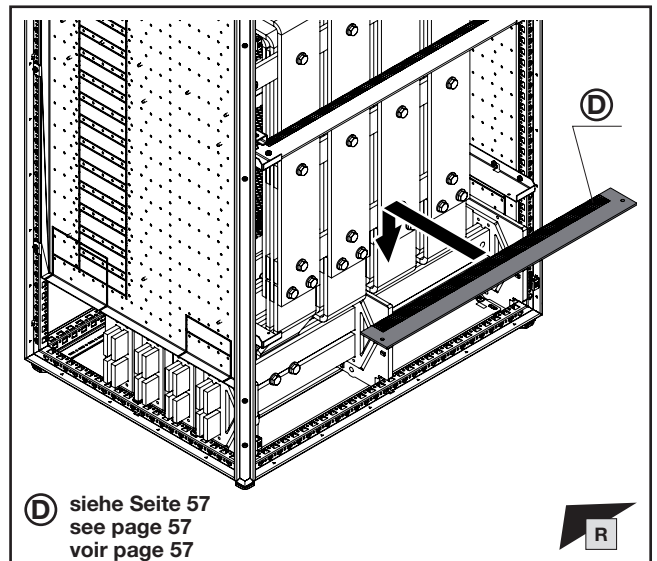
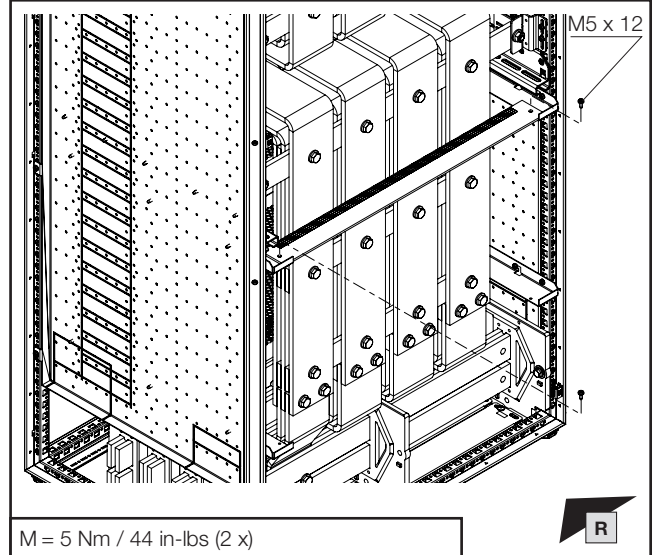
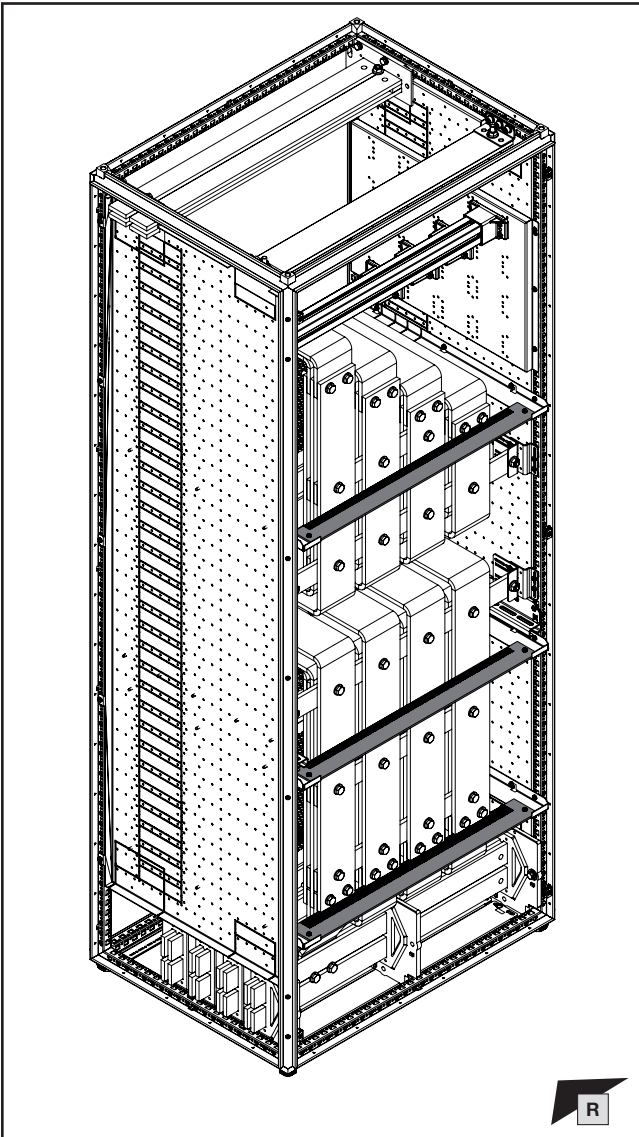


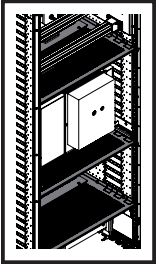
DE EN FR



1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel





TX30

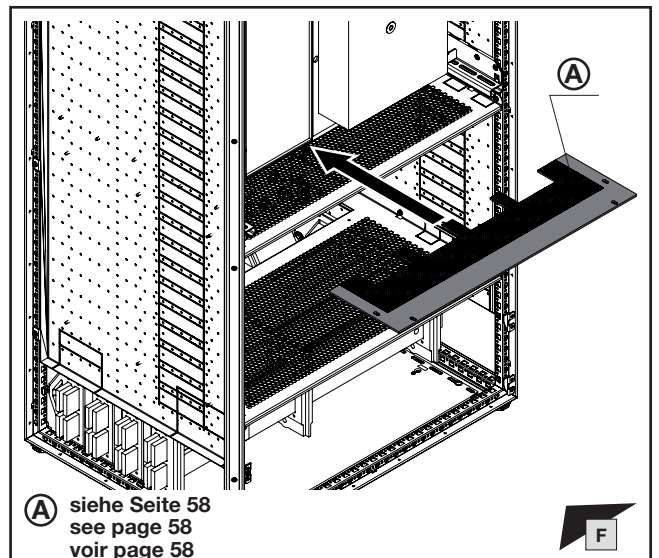
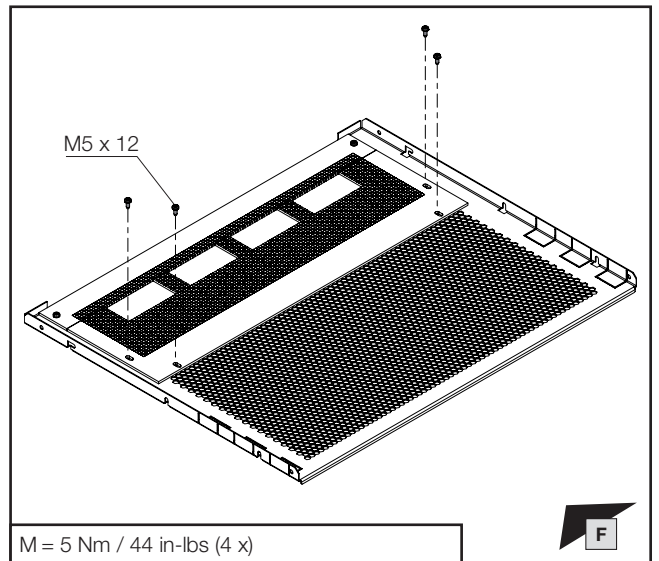
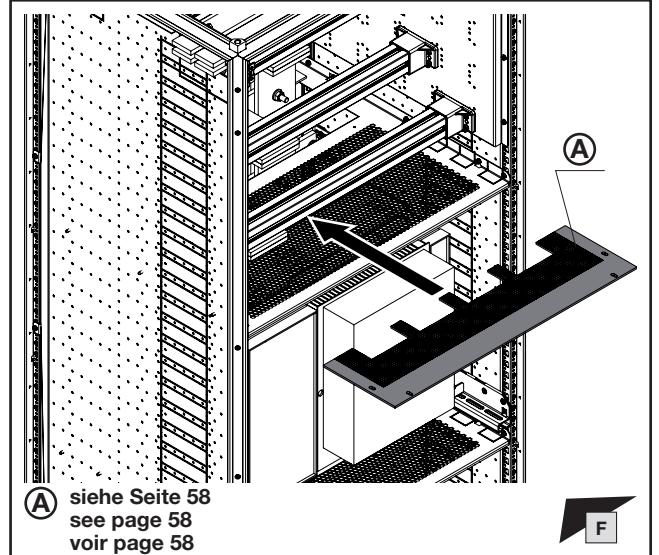
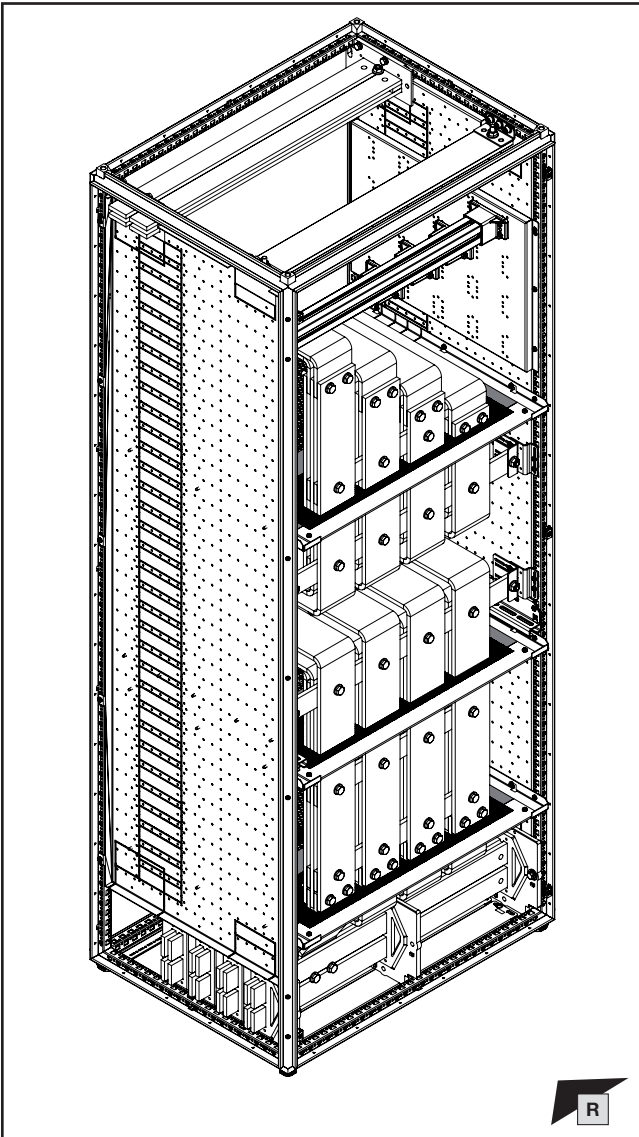


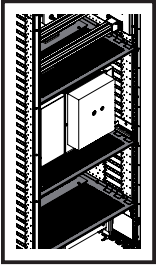
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel





TX30

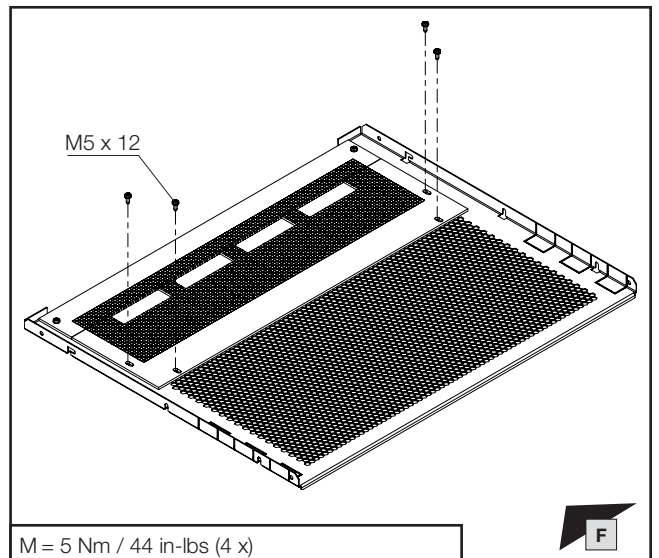
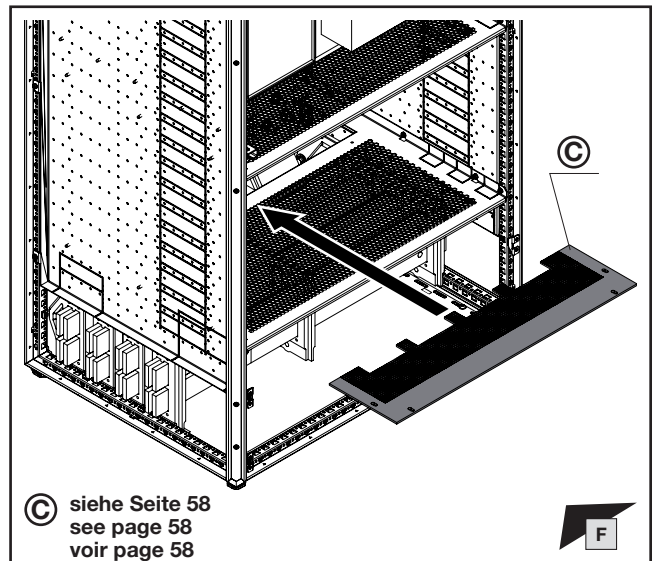
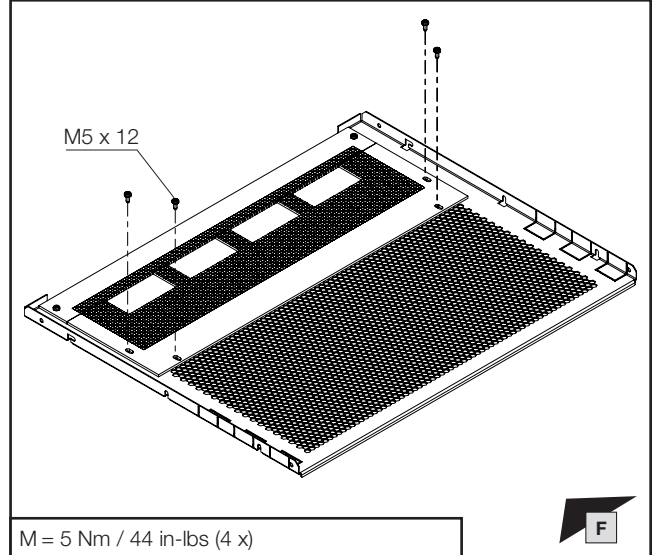
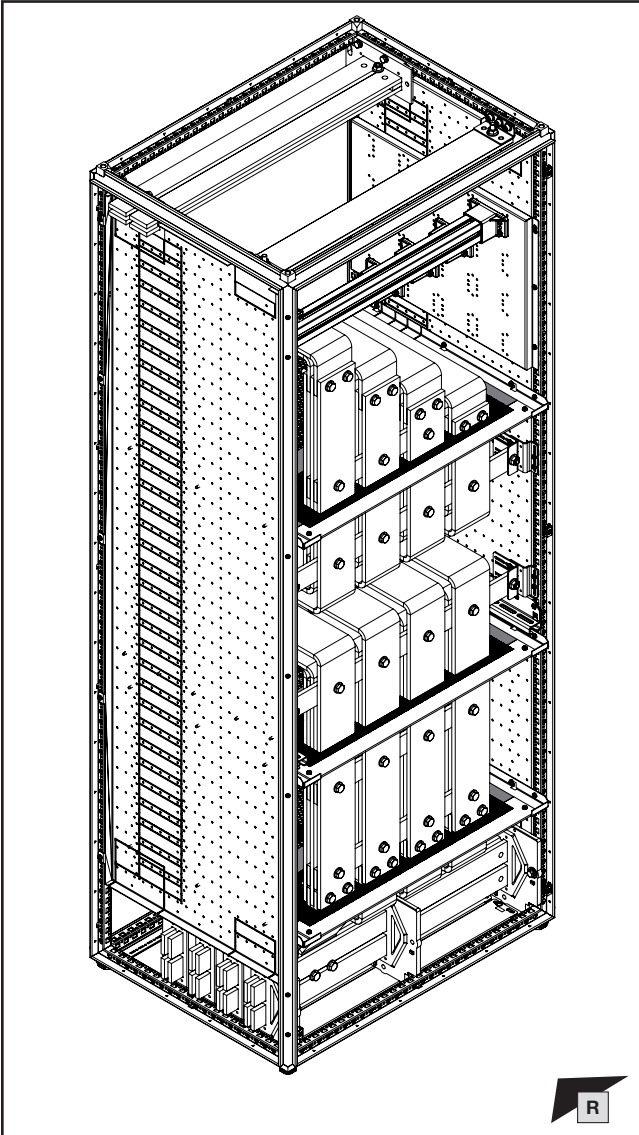


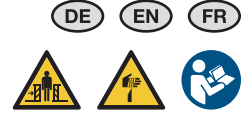
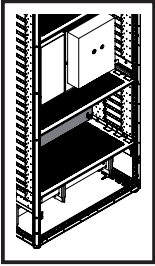
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

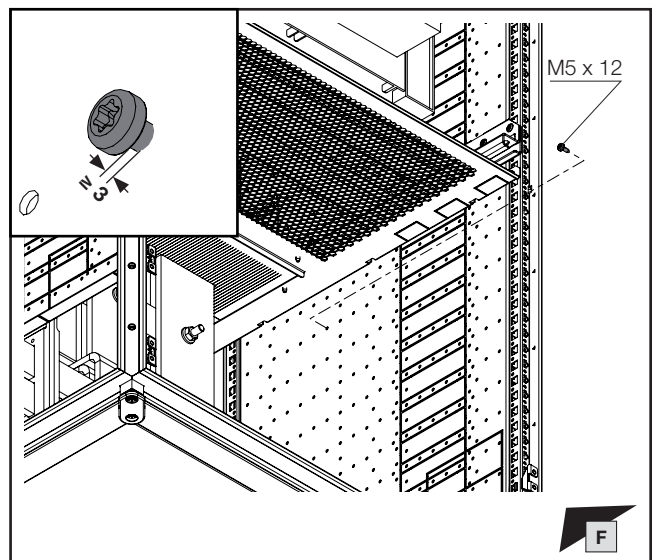
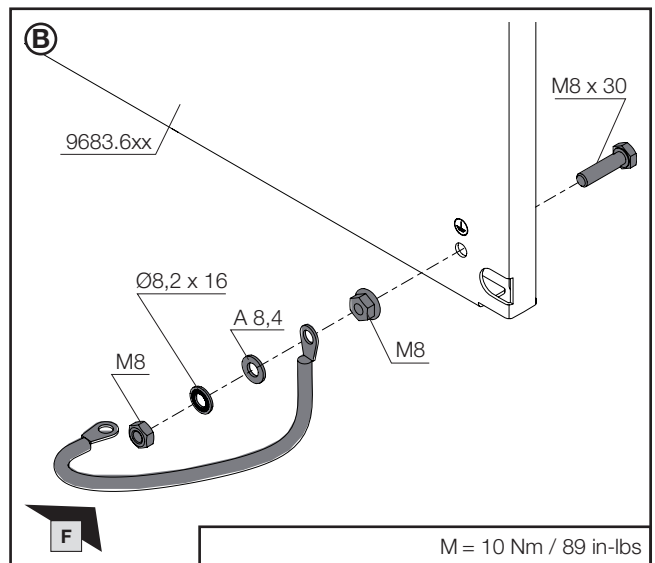
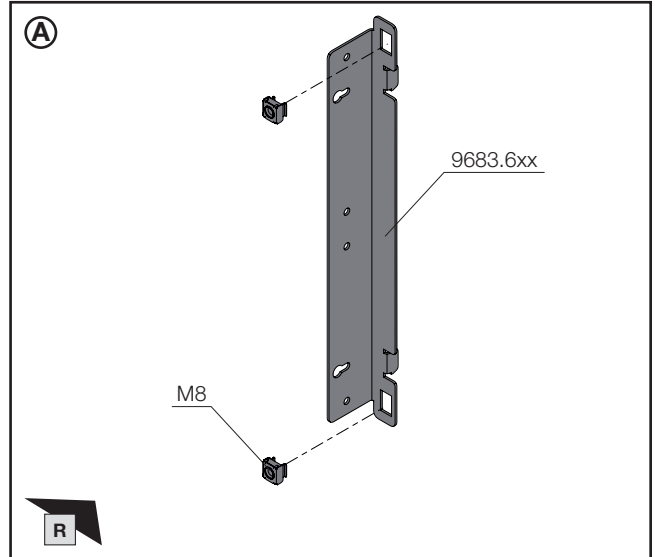
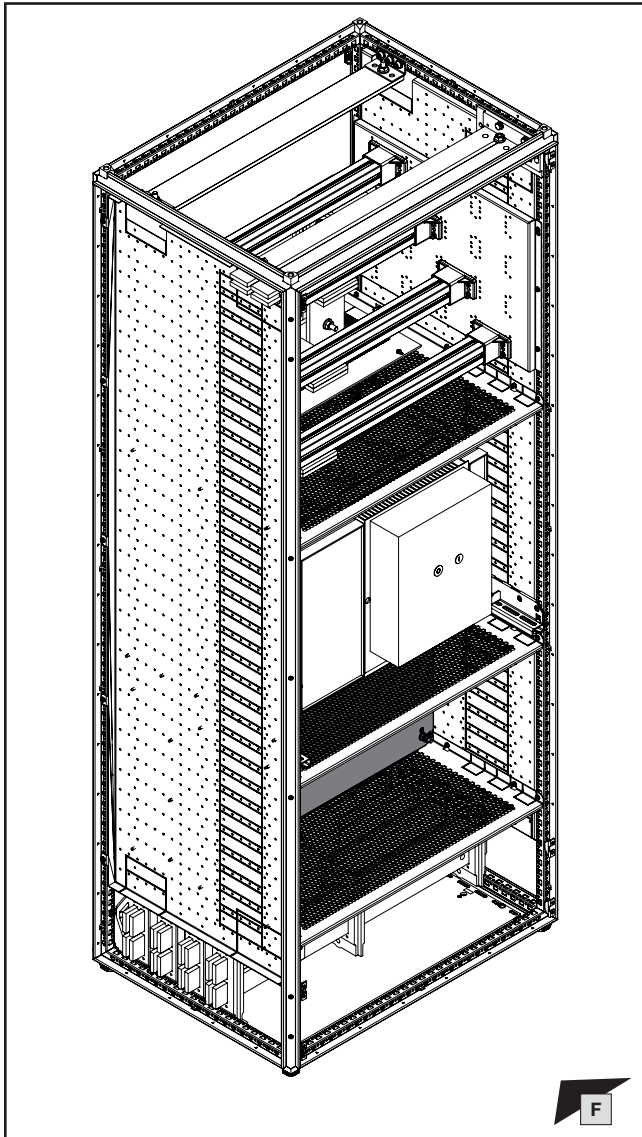
- 1.18 Montage Funktionsraumteiler
- 1.18 Fitting the compartment divider
- 1.18 Montage du séparateur de compartiment fonctionnel





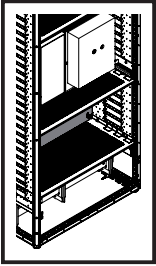
- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.19 Montage der Teilmontageplatte
- 1.19 Fitting the partial mounting plate
- 1.19 Montage de la plaque de montage partielle



Schranksystem VX25 – Technische Dokumentation – Schutzleiteranschluss, Strombelastbarkeit
 VX25 Enclosure System – Technical documentation – PE conductor connection, current carrying capacity
 Armoires électriques VX25 – Manuel technique – Raccordement de mise à la terre et intensités maximales admissibles

DE EN FR

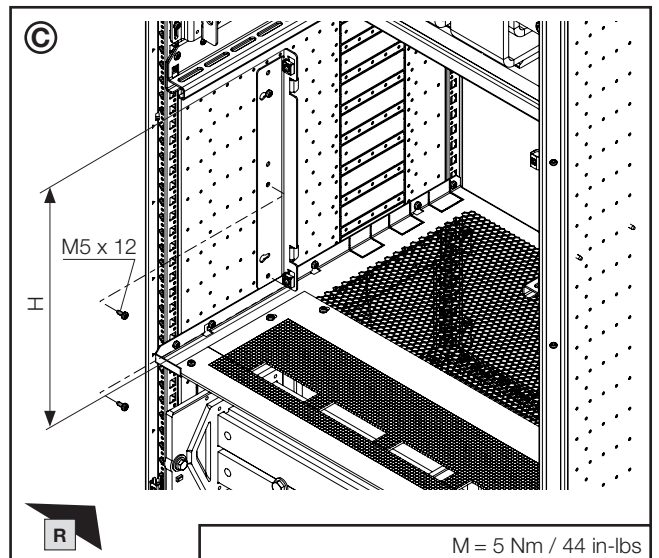
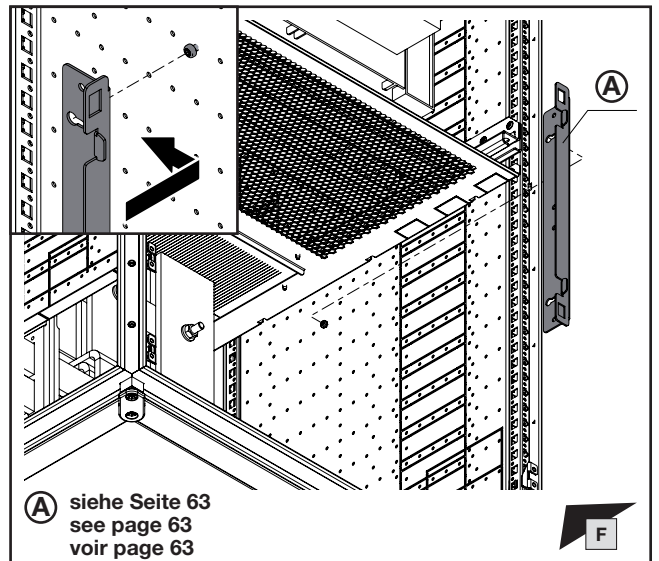
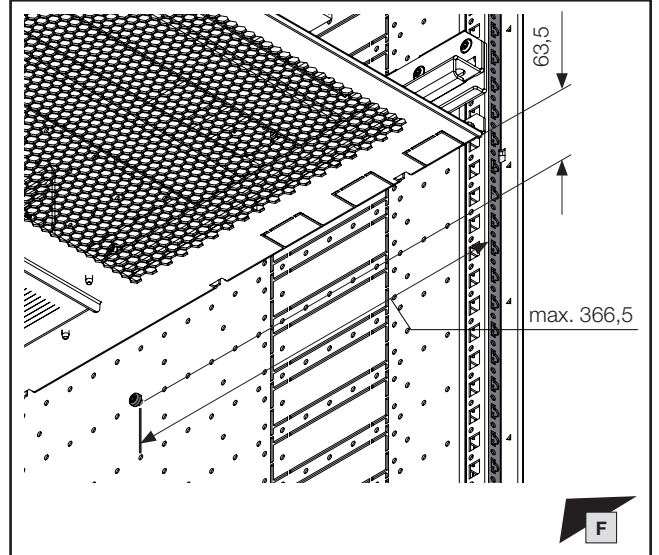
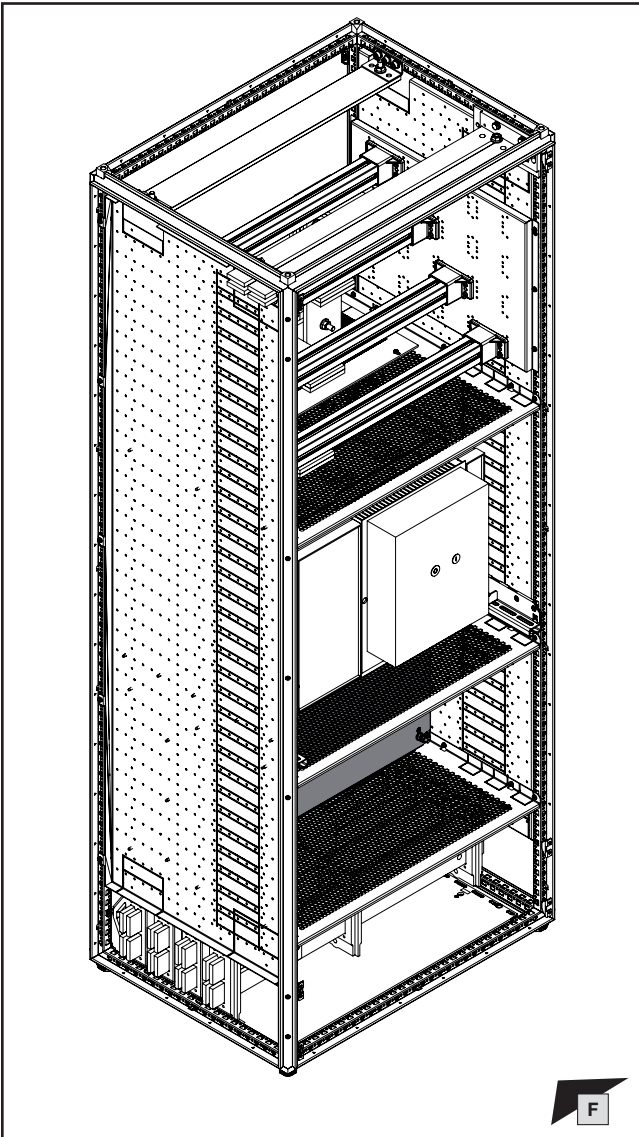


DE EN FR



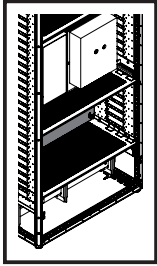
- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

- 1.19 Montage der Teilmontageplatte
- 1.19 Fitting the partial mounting plate
- 1.19 Montage de la plaque de montage partielle



H mm	C Anzahl Schrauben M5 x 12 Number of screws M5 x 12 Nombre de vis M5 x 12
150	2 x 2
200	2 x 3
300	2 x 3
400	2 x 3
600	2 x 3
800	2 x 5
1000	2 x 5

M = 5 Nm / 44 in-lbs

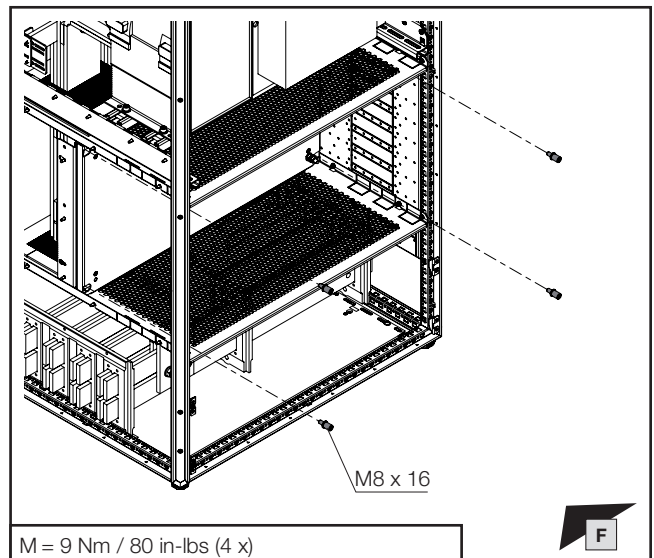
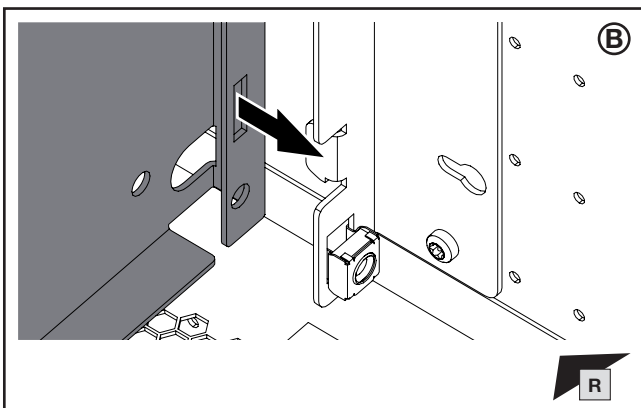
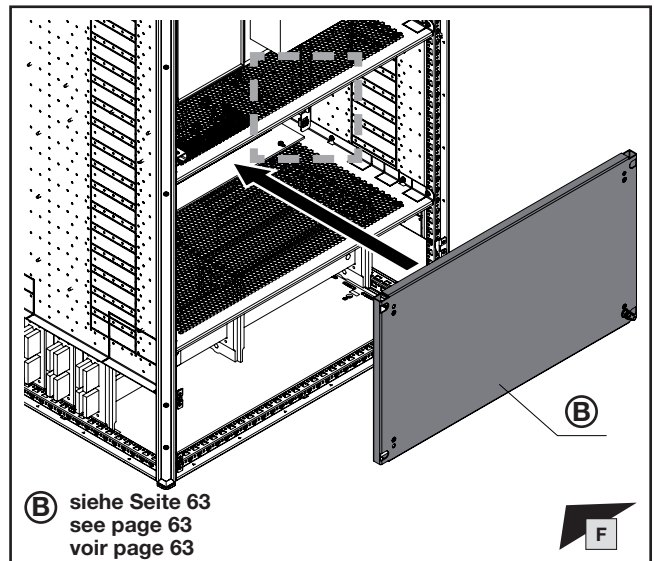
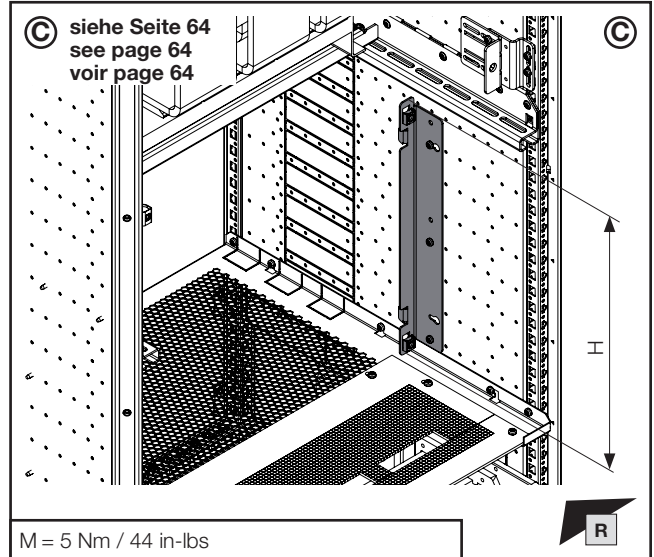
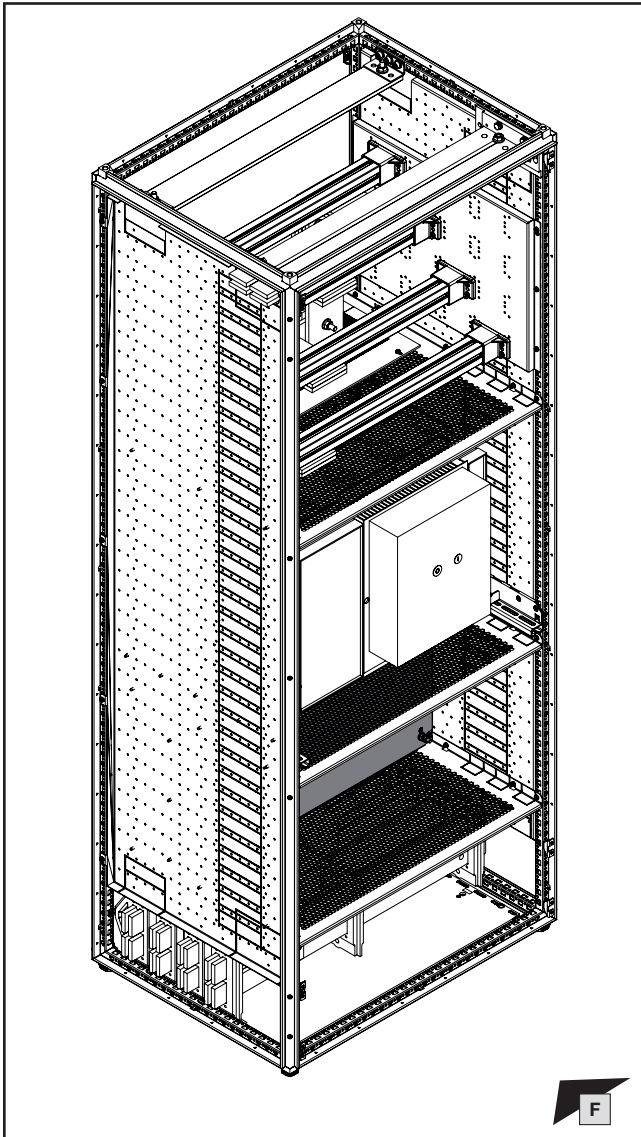


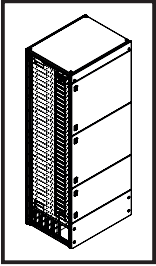
DE EN FR



- 1. Montage 4-poliges HSS
- 1. Fitting the 4-pole MBS
- 1. Montage du jeu de barres principal tétrapolaire

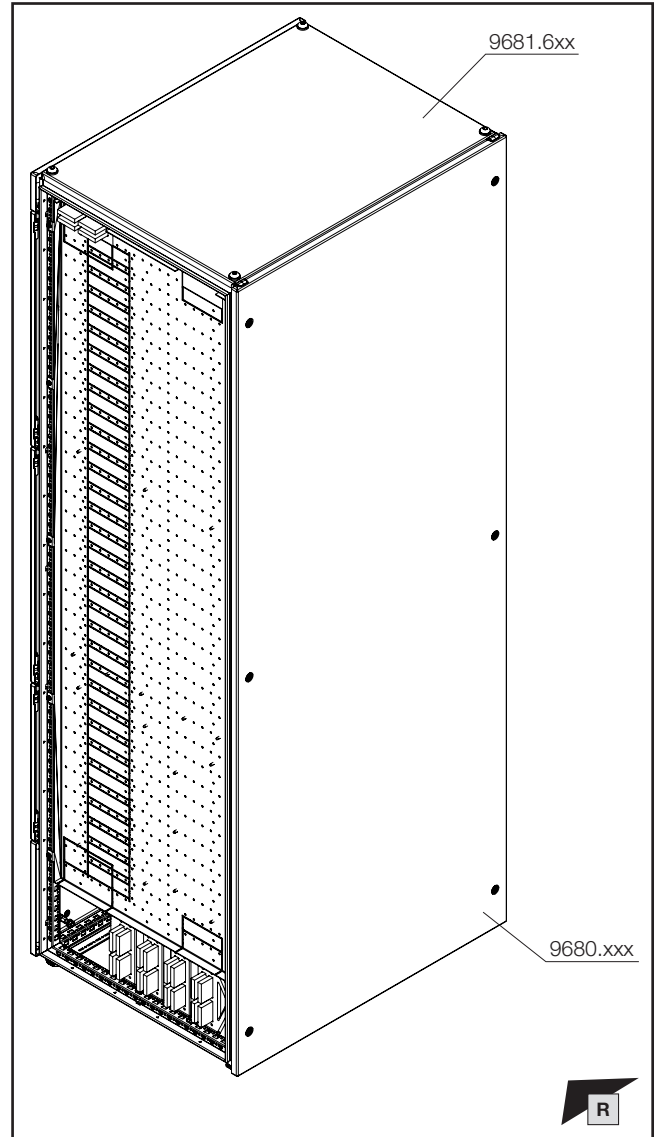
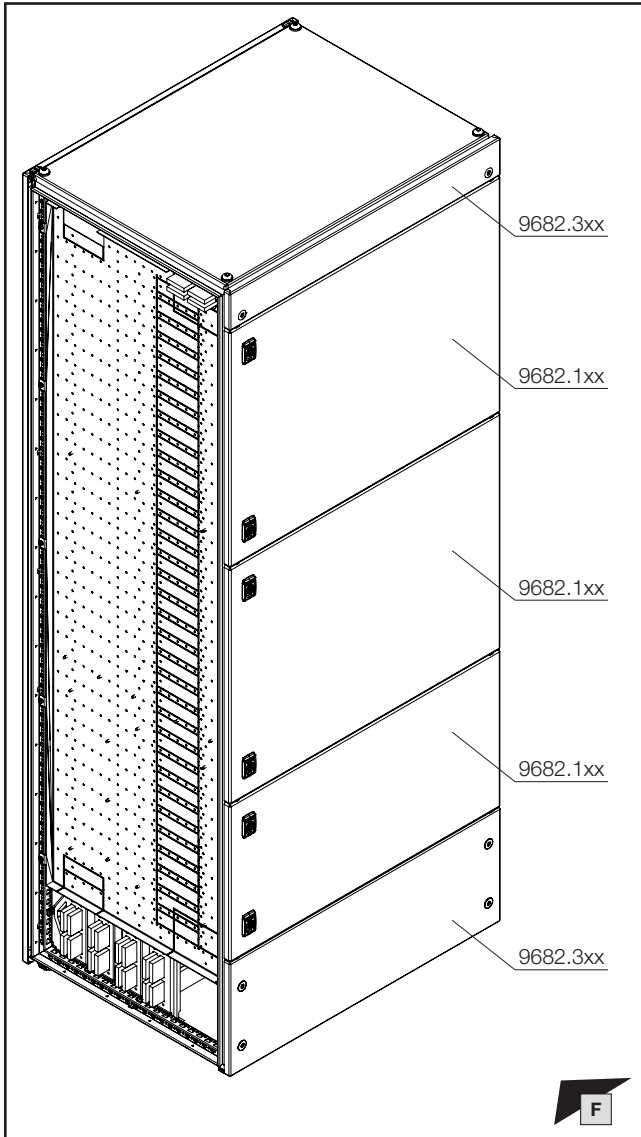
- 1.19 Montage der Teilmontageplatte
- 1.19 Fitting the partial mounting plate
- 1.19 Montage de la plaque de montage partielle





1. Montage 4-poliges HSS
1. Fitting the 4-pole MBS
1. Montage du jeu de barres principal tétrapolaire

- 1.20 Montage Flachteile und Dachblech
- 1.20 Fitting the panels and roof plate
- 1.20 Montage des pièces plates et du toit



Hinweis / Note / Remarque

Beachten Sie für die abschließenden Arbeiten (Montage Flachteile, Frontgestaltung) je nach verwendetem Schrank die Beschreibungen in folgenden Anleitungen.

For the final work (fitting the panels, designing the front), please refer to the descriptions in the following instructions, depending on the enclosure used.

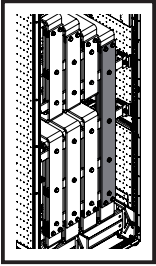
Pour les travaux finaux (montage des pièces plates, aménagement de la face avant), veuillez tenir compte, en fonction de l'armoire utilisée, des indications dans les notices suivantes.

Anreih-Schranksystem VX25
Enclosure baying system VX25
Armoires juxtaposables VX25

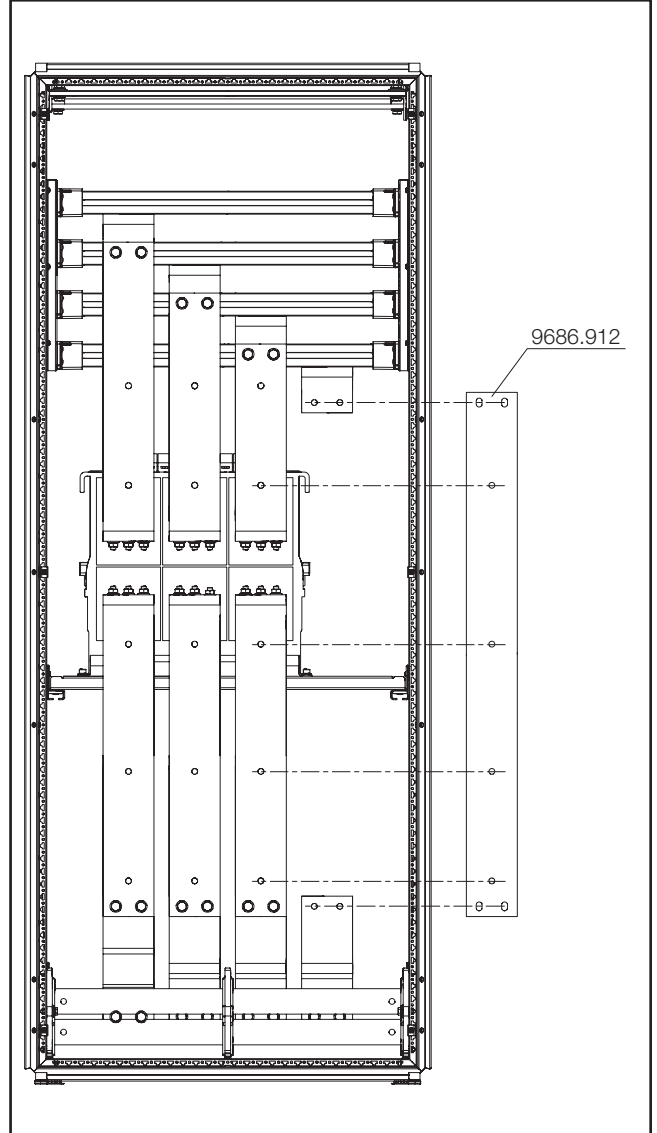
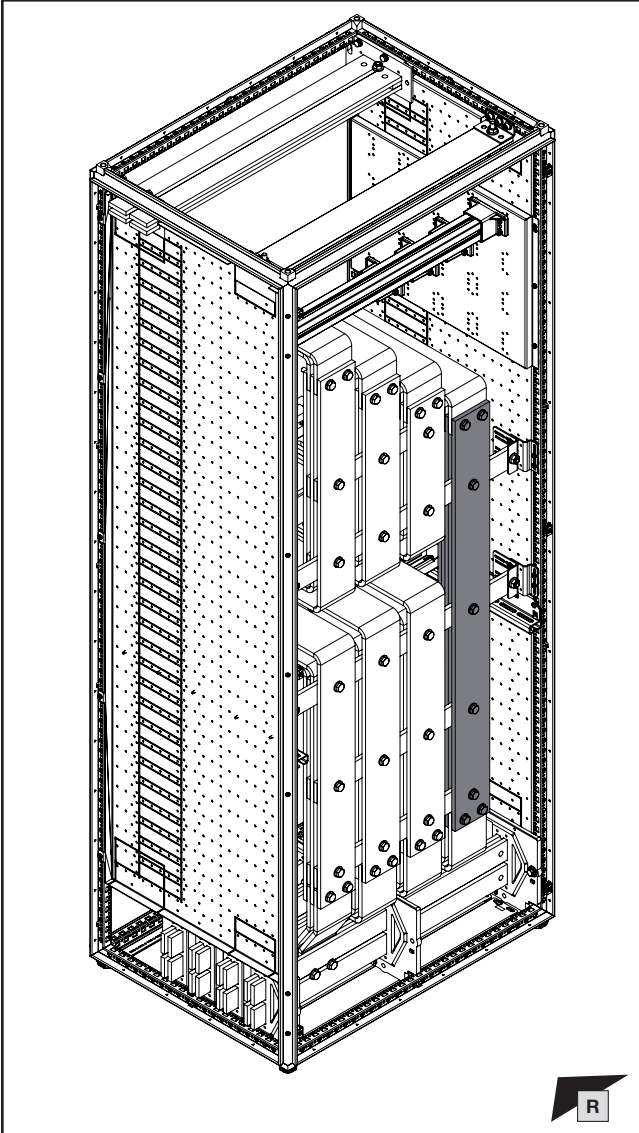
DE/EN/FR

Modulare Frontgestaltung VX25
Modular front design VX25
Aménagement modulaire de la face avant VX25

DE/EN/FR



2. Montage 4-poliges HSS N ungeschaltet
2. Fitting the 4-pole MBS N unswitched
2. Montage du jeu de barres principal tétrapolaire Neutre non commandé



Hinweis / Note / Remarque (X)

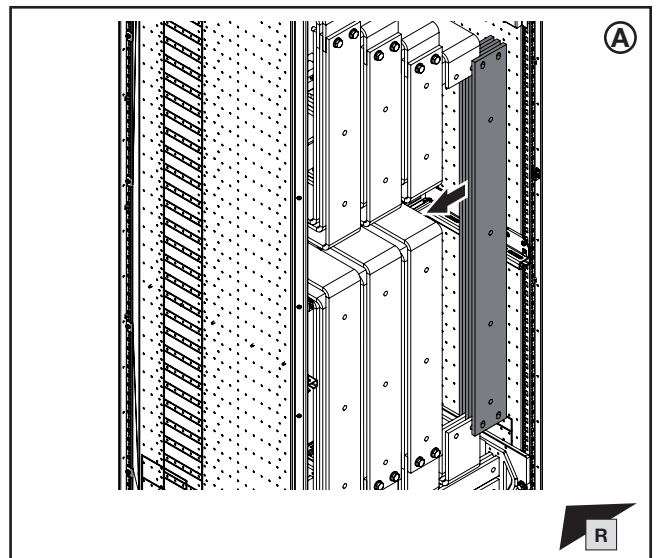
Die Länge der Sammelschienen wird mit Hilfe der Online-Berechnungssoftware „RiPower“ im Niederspannungsschaltanlagen Konfigurator ermittelt.

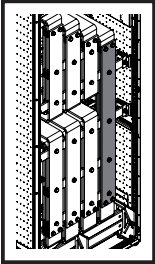
The length of the busbars is determined using the online calculation software "RiPower" in the low-voltage switchgear configurator.

La longueur des jeux de barres est déterminée à l'aide du logiciel de calcul en ligne « RiPower » du configurateur de TGBT.

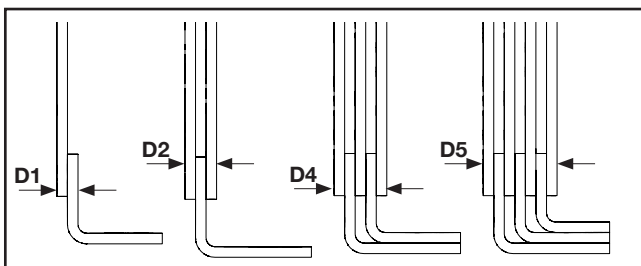
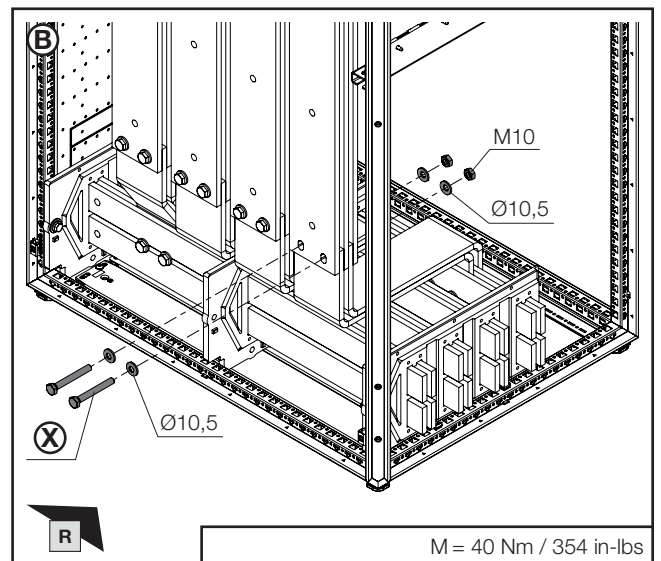
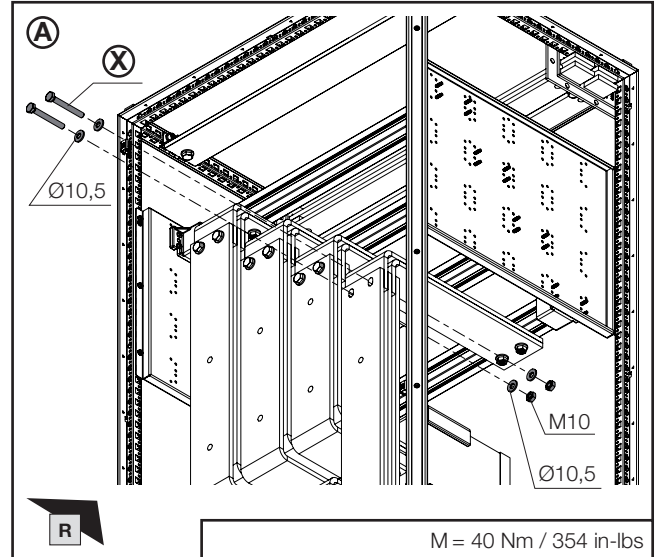
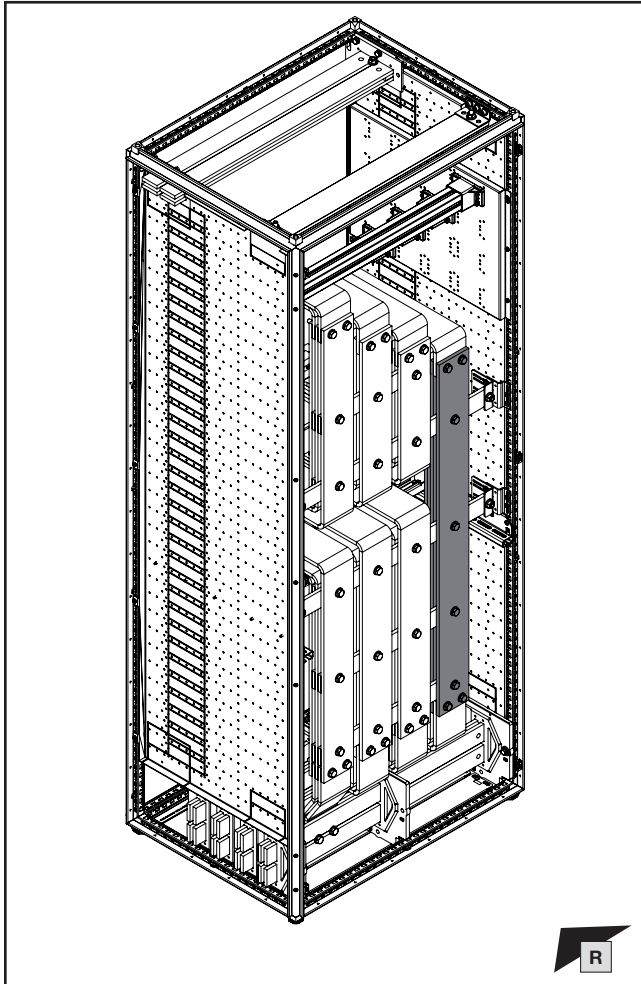


RiPower

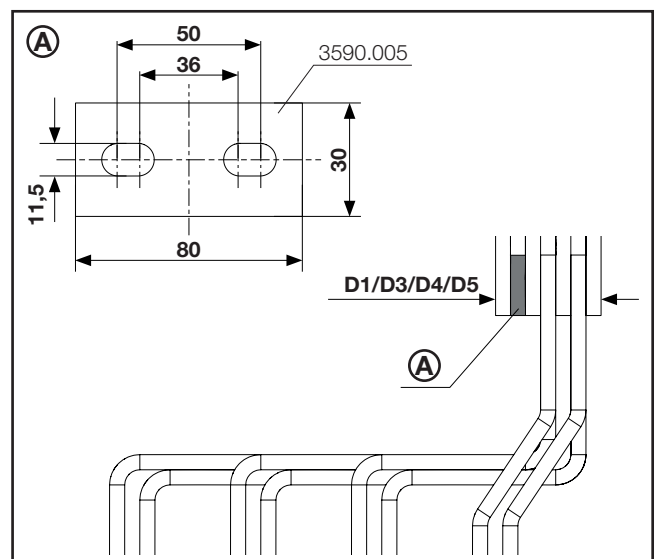




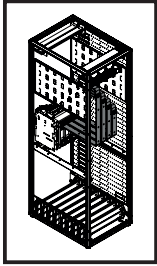
2. Montage 4-poliges HSS N ungeschaltet
 2. Fitting the 4-pole MBS N unswitched
 2. Montage du jeu de barres principal tétrapolaire Neutre non commandé



D mm	L mm	Best.-Nr. Model No. Référence
D1	35	9686.830
D2	45	9686.845
D3	55	9686.865
D4	65	9686.855
D5	85	9686.885



Hinweis / Note / Remarque
 Weitere Montageschritte: siehe Kapitel 1.16
 Further assembly steps, see chapter 1.16
 Étapes de montage suivantes : voir chapitre 1.16



SW16/
SW17

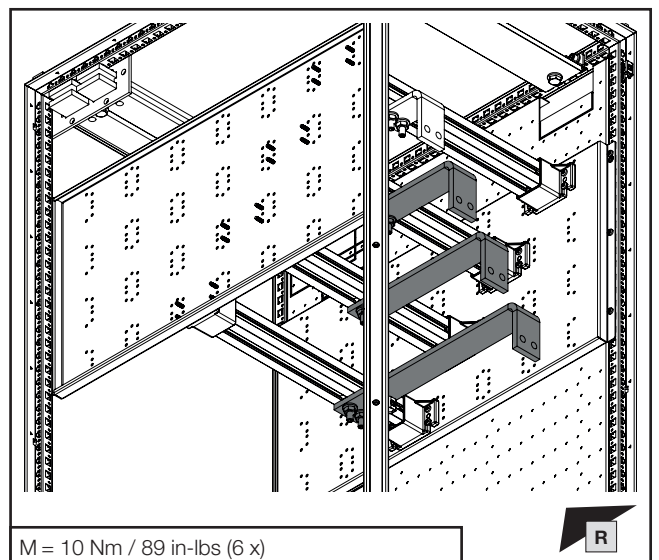
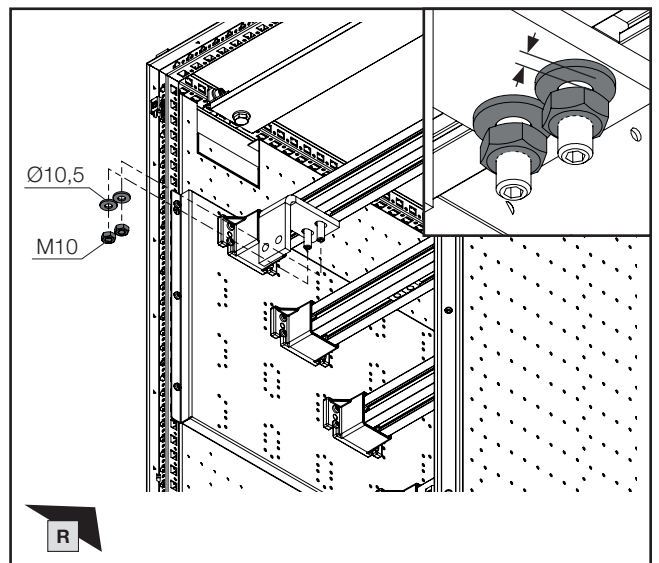
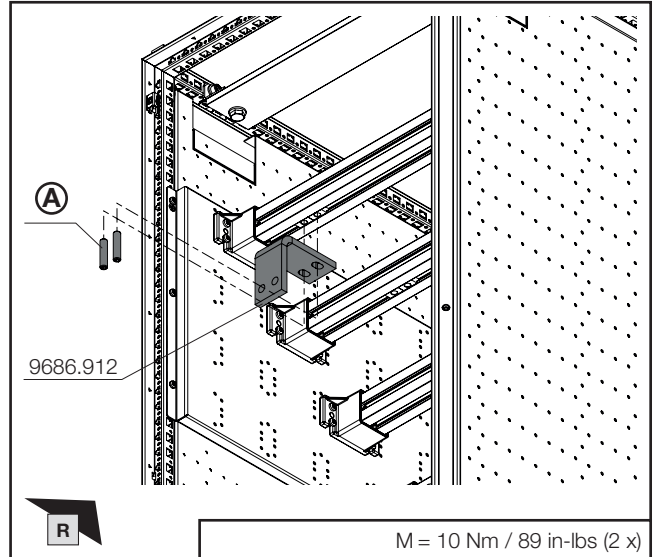
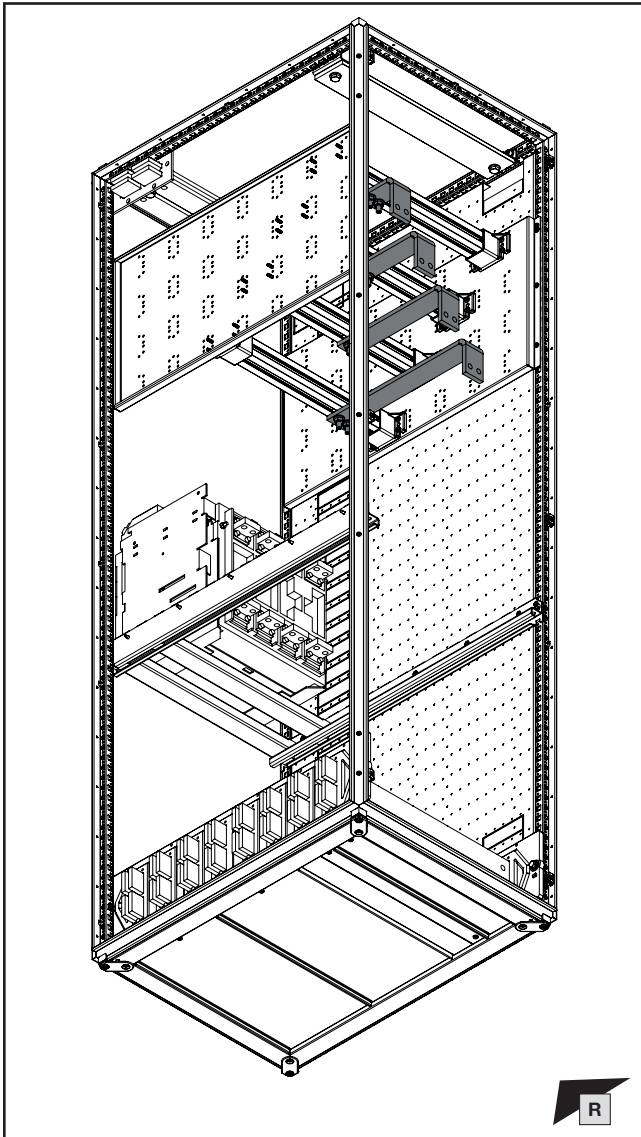
IS5/
IS6

DE EN FR

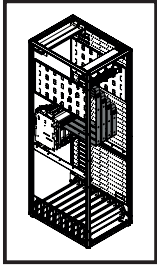


3. Anbindung ACB an 8-poliges HSS (System A plus B)
 3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
 3. Connexion du disjoncteur de puissance au jeu de barres principal octo-polaire (système A + B)

- 3.1 Montage des offenen Leistungsschalters – oberer Verbindungssatz
 3.1 Fitting the circuit-breaker – Upper connector kit
 3.1 Montage du disjoncteur de puissance – kit de jonction supérieur



Hinweis / Note / Remarque **A**
 Auswahl Gewindebolzen: siehe Abschnitt 5.
 Selection of threaded bolts: see chapter 5.
 Sélection des boulons filetés : voir chapitre 5.



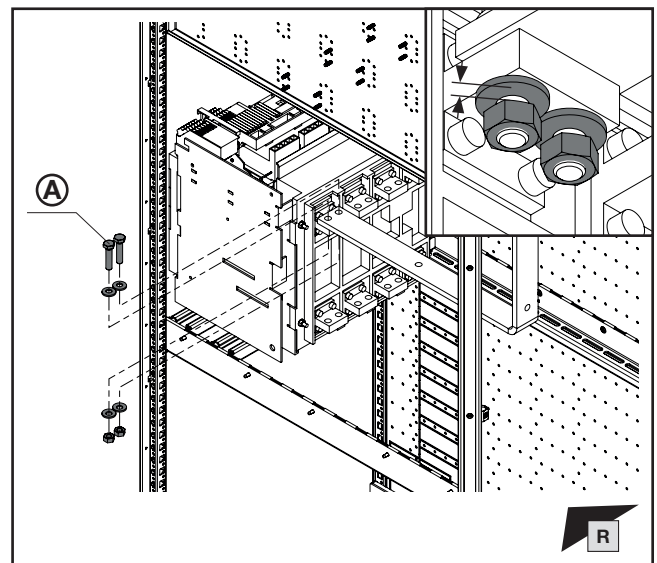
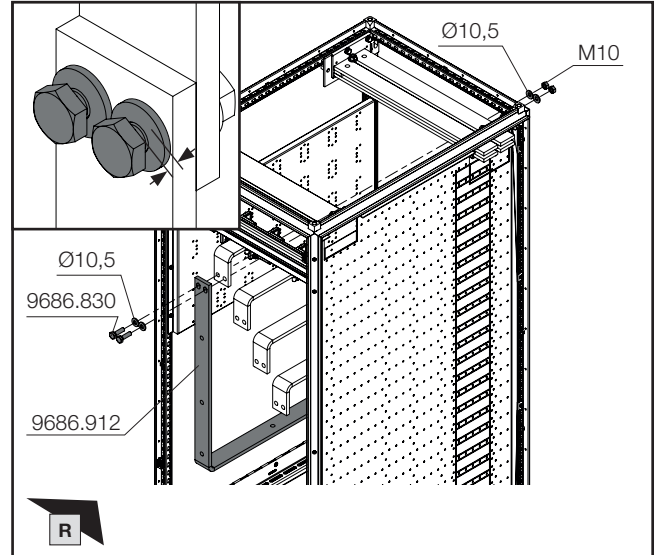
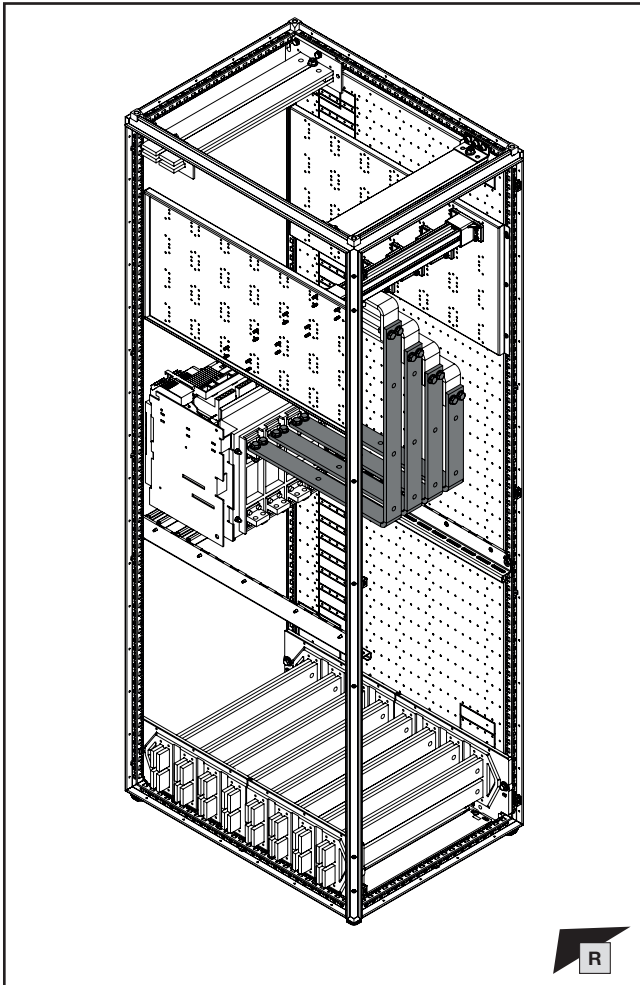
SW16/
SW17

DE EN FR



3. Anbindung ACB an 8-poliges HSS (System A plus B)
 3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
 3. Connexion du disjoncteur de puissance au jeu de barres principal octo-polaire (système A + B)

- 3.1 Montage des offenen Leistungsschalters – oberer Verbindungssatz
 3.1 Fitting the circuit-breaker – Upper connector kit
 3.1 Montage du disjoncteur de puissance – kit de jonction supérieur

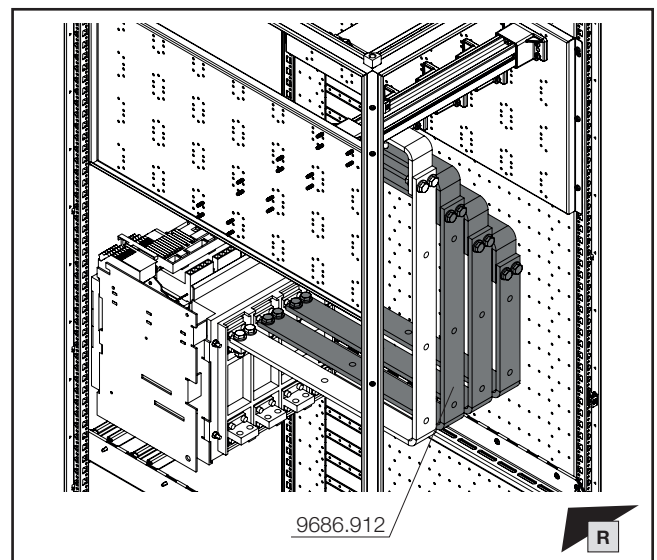
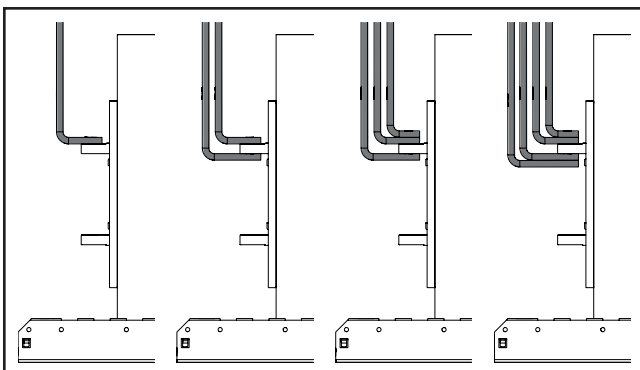


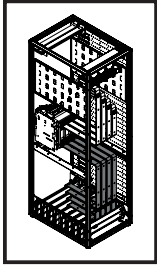
Hinweis / Note / Remarque **(A)**

Auswahl Befestigungsschrauben gemäß Hersteller des ACB!

Selection of fastening screws in accordance with the manufacturer of the ACB!

Choix des vis de fixation en fonction de la marque du disjoncteur de puissance !





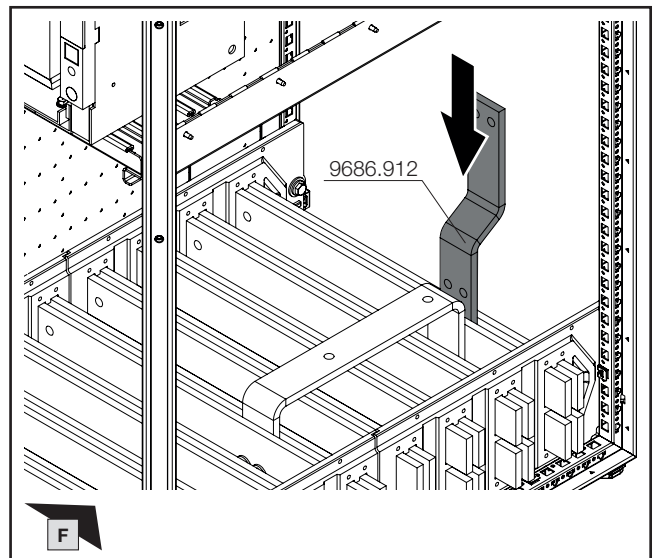
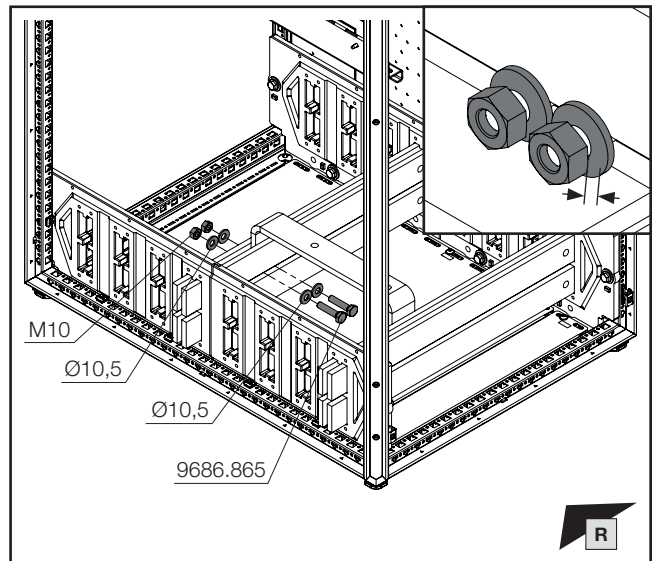
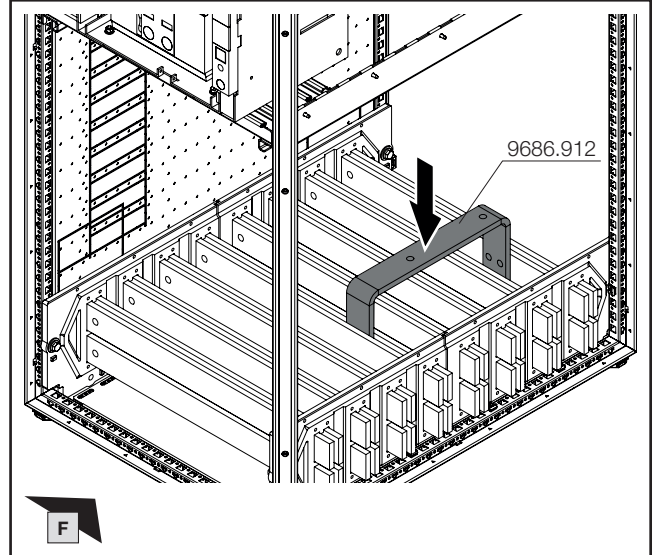
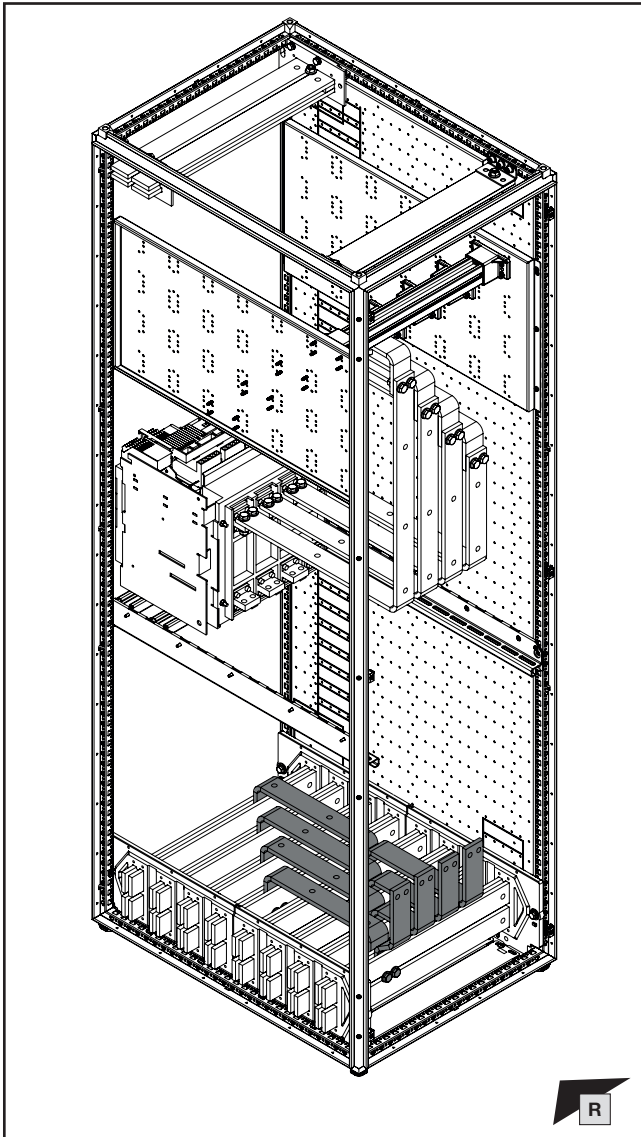
SW16/
SW17

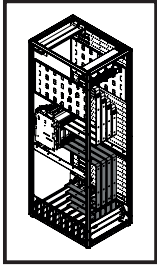
DE EN FR



3. Anbindung ACB an 8-poliges HSS (System A plus B)
3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
3. Connexion du disjoncteur de puissance au jeu de barres principal octopolaire (système A + B)

- 3.2 Montage des offenen Leistungsschalters – unterer Verbindungssatz
- 3.2 Fitting the circuit-breaker – Lower connector kit
- 3.2 Montage du disjoncteur de puissance – kit de jonction inférieur





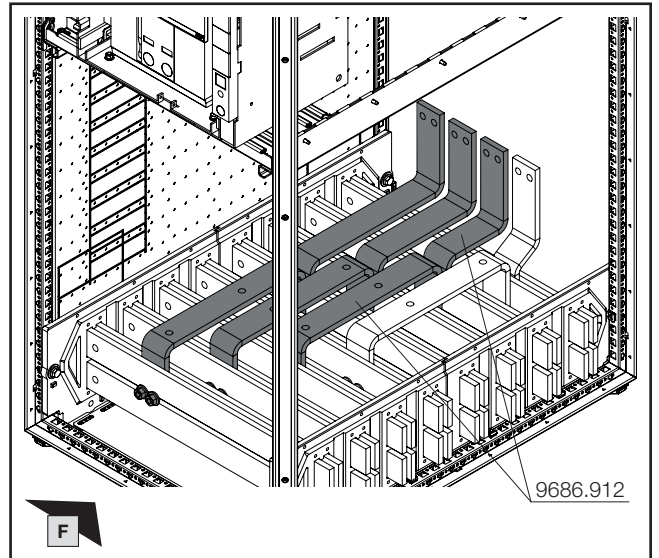
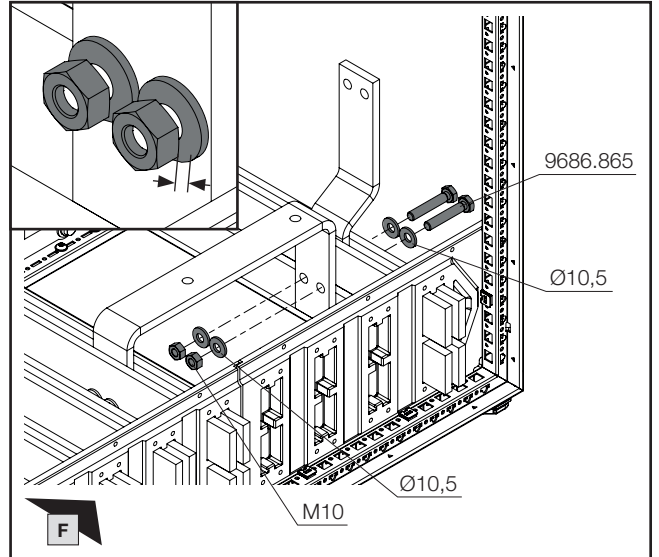
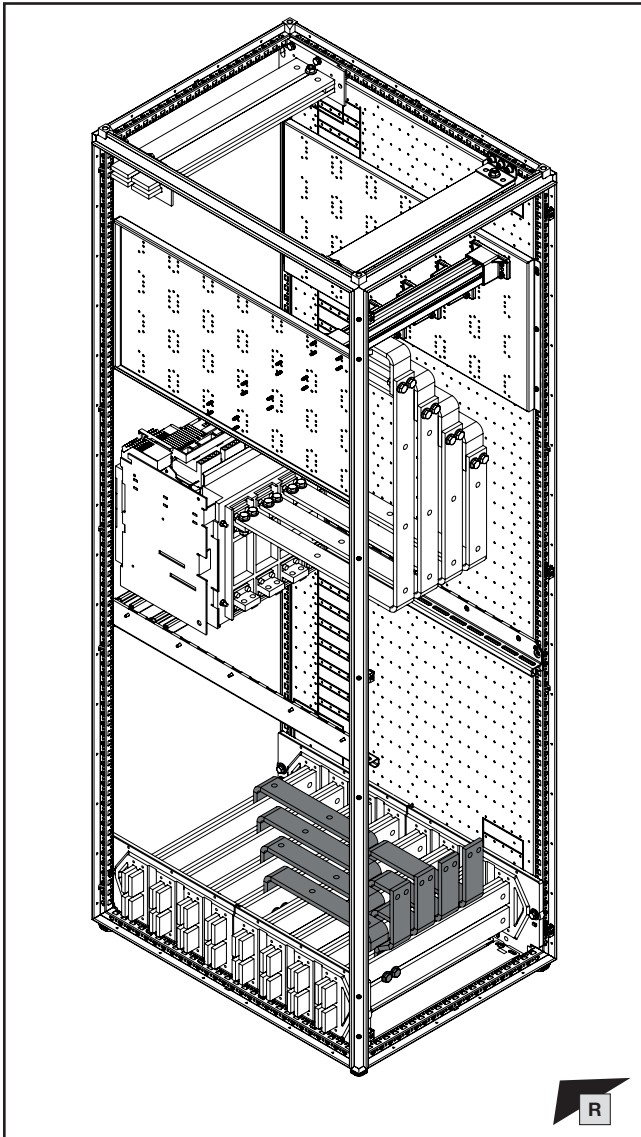
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SW17

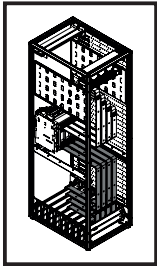
DE EN FR



3. Anbindung ACB an 8-poliges HSS (System A plus B)
3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
3. Connexion du disjoncteur de puissance au jeu de barres principal octopolaire (système A + B)

- 3.2 Montage des offenen Leistungsschalters – unterer Verbindungssatz
- 3.2 Fitting the circuit-breaker – Lower connector kit
- 3.2 Montage du disjoncteur de puissance – kit de jonction inférieur





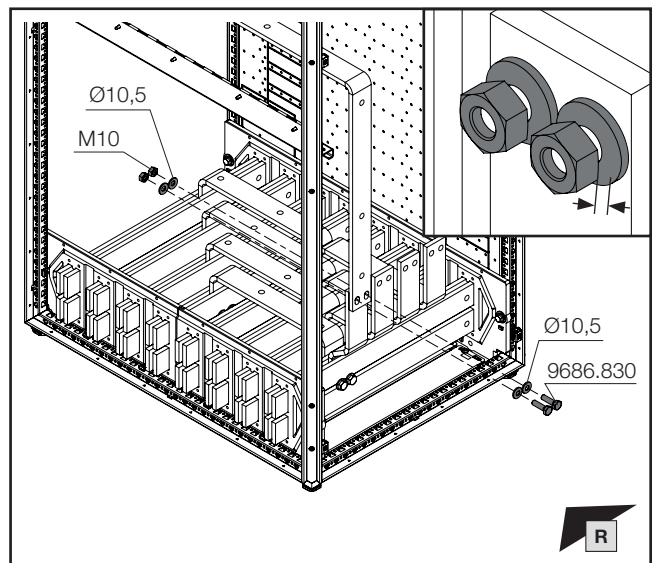
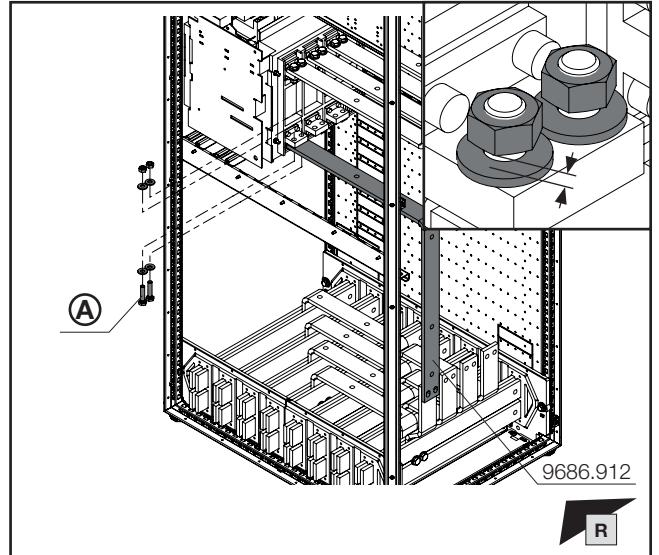
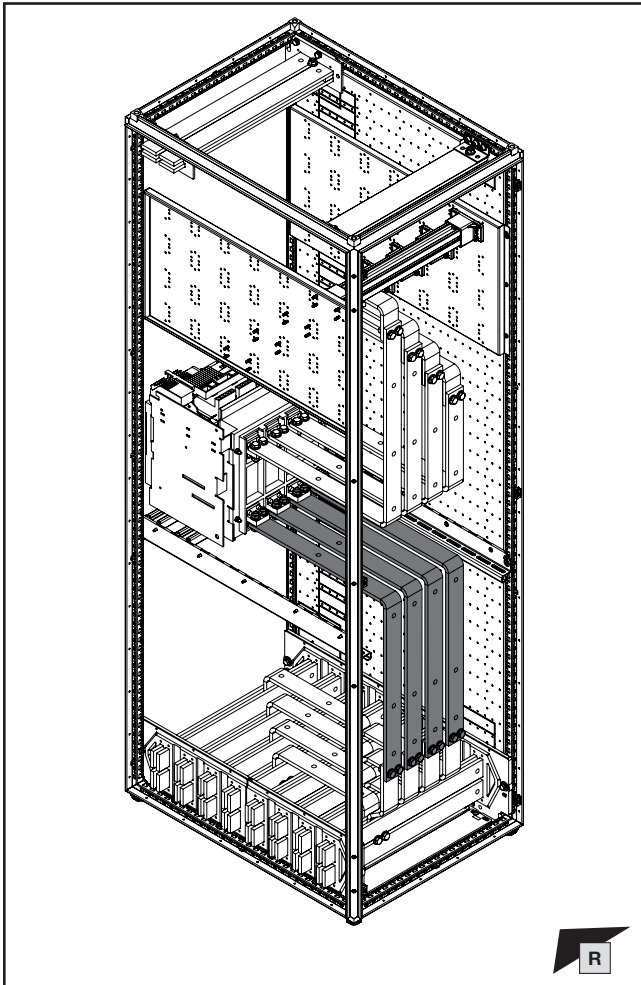
SW16/
SW17

DE EN FR



3. Anbindung ACB an 8-poliges HSS (System A plus B)
3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
3. Connexion du disjoncteur de puissance au jeu de barres principal octopolaire (système A + B)

- 3.2 Montage des offenen Leistungsschalters – unterer Verbindungssatz
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- 3.2 Montage du disjoncteur de puissance – kit de jonction inférieur

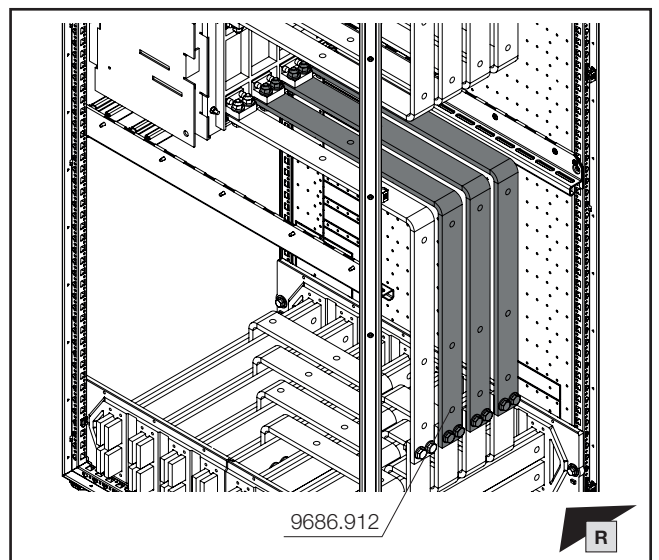
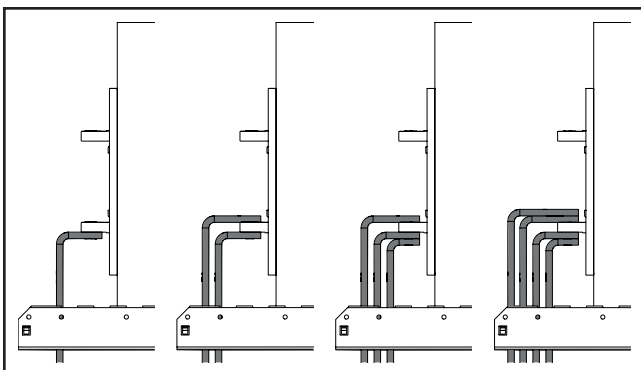


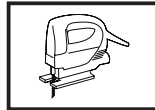
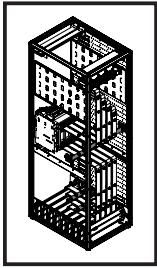
Hinweis / Note / Remarque (A)

Auswahl Befestigungsschrauben gemäß Hersteller des ACB!

Selection of fastening screws in accordance with the manufacturer of the ACB!

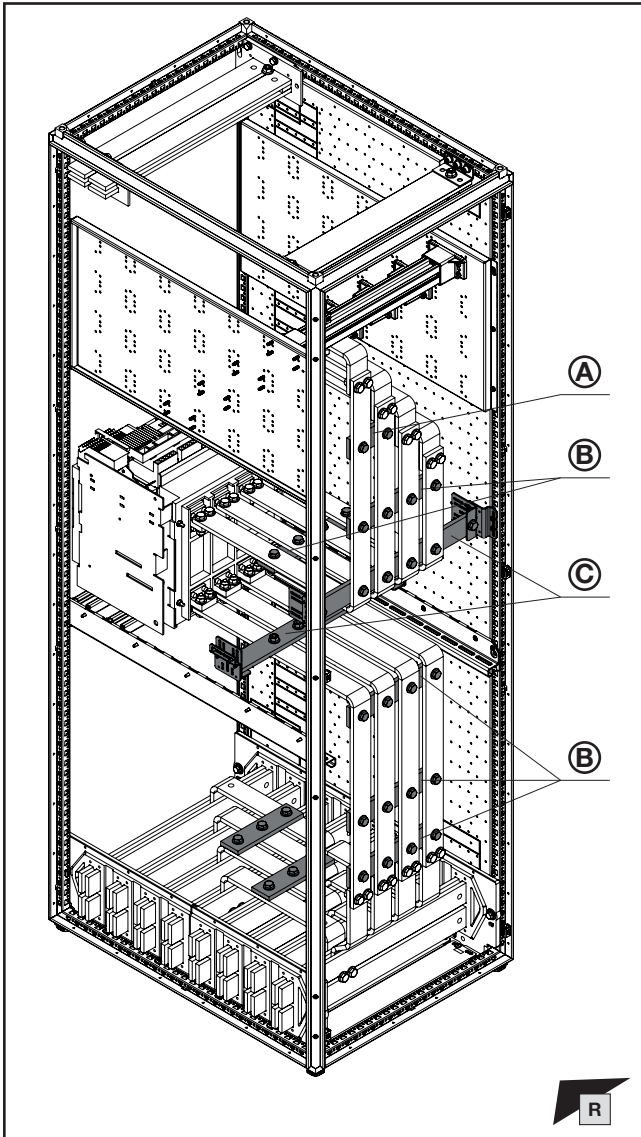
Choix des vis de fixation en fonction de la marque du disjoncteur de puissance !





3. Anbindung ACB an 8-poliges HSS (System A plus B)
 3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
 3. Connexion du disjoncteur de puissance au jeu de barres principal octo-polaire (système A + B)

- 3.3 Vorbereitung der Stabilisatoren
 3.3 Preparing the stabilisers
 3.3 Préparation des stabilisateurs



9660.205: Glasfaserverstärkter Polyesterharz
 9660.205: Fibreglass-reinforced polyester resin
 9660.205 : Résine polyester chargée de fibres de verre

⊗

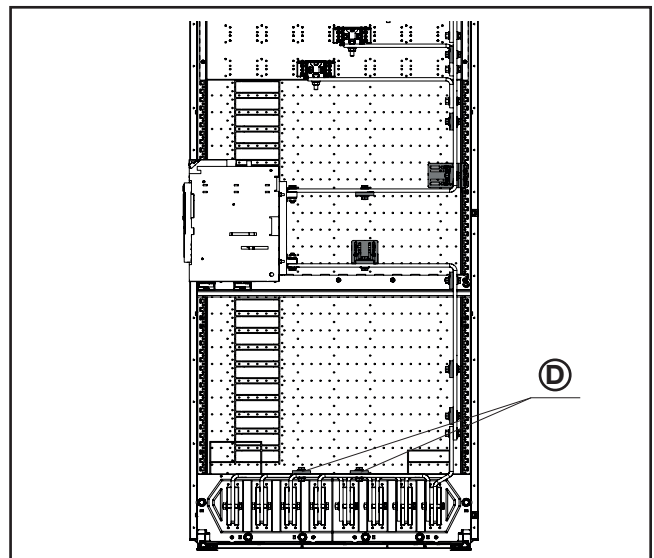
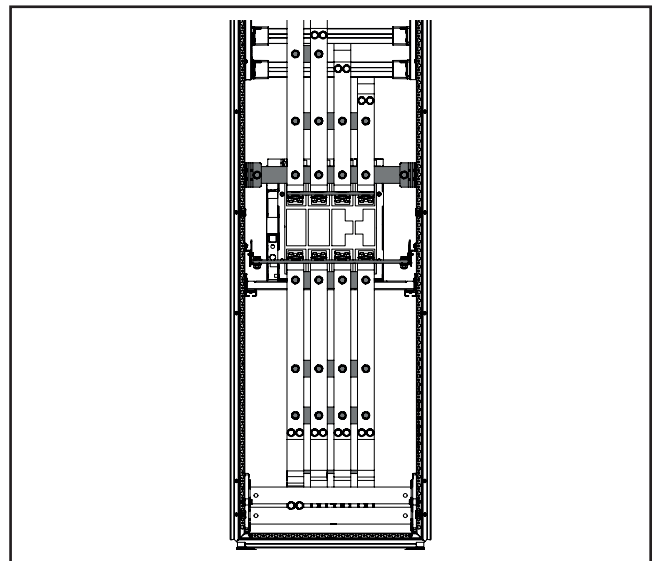
⚠

Ⓐ 1 x

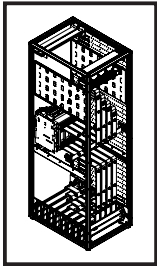
Ⓑ 5 x

Ⓒ 2 x

Ⓓ 2 x



Hinweis / Note / Remarque ⊗
 Vorbereitung der Stabilisatoren: siehe Abschnitte 1.13 und 1.14.
 Preparing the stabilisers: see chapter 1.13 and 1.14.
 Préparation des stabilisateurs : voir chapitres 1.13 et 1.14.



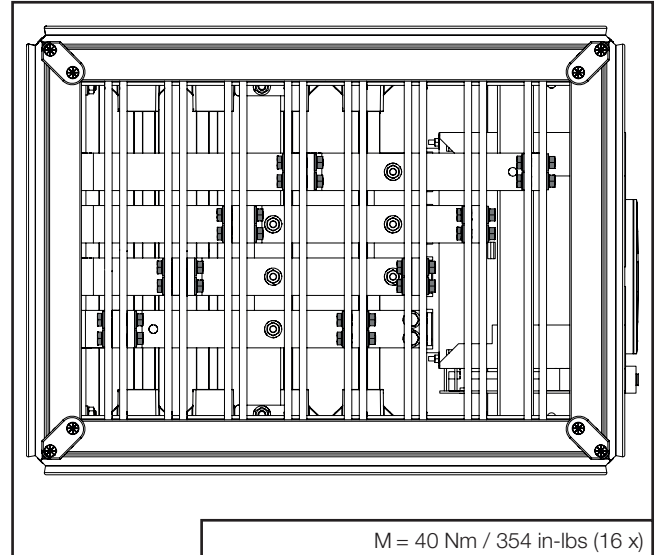
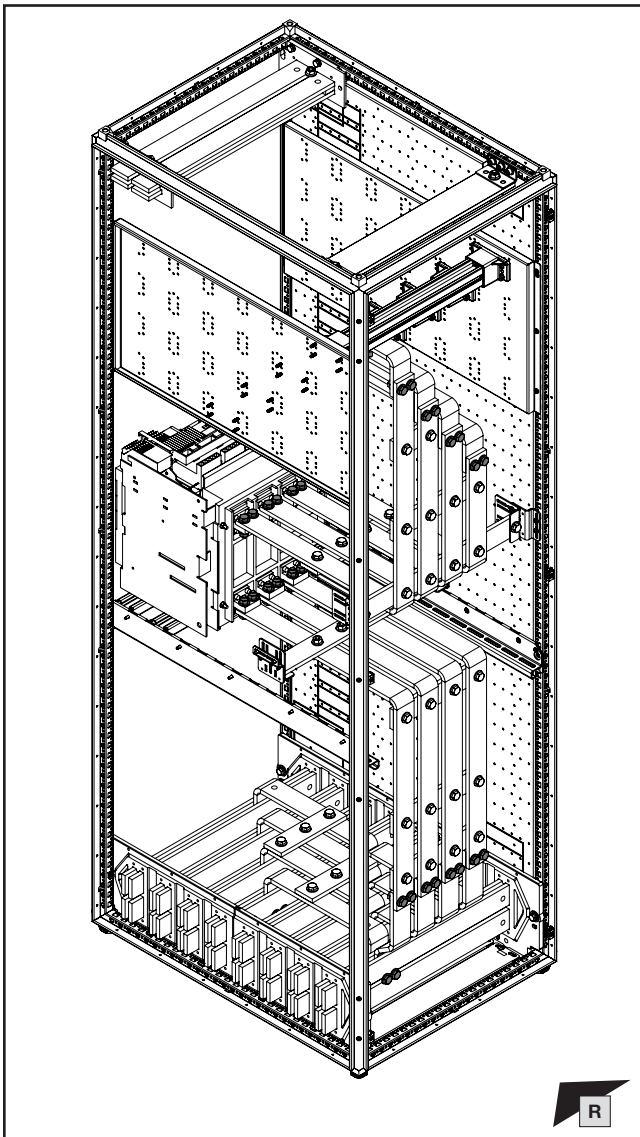
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SW17

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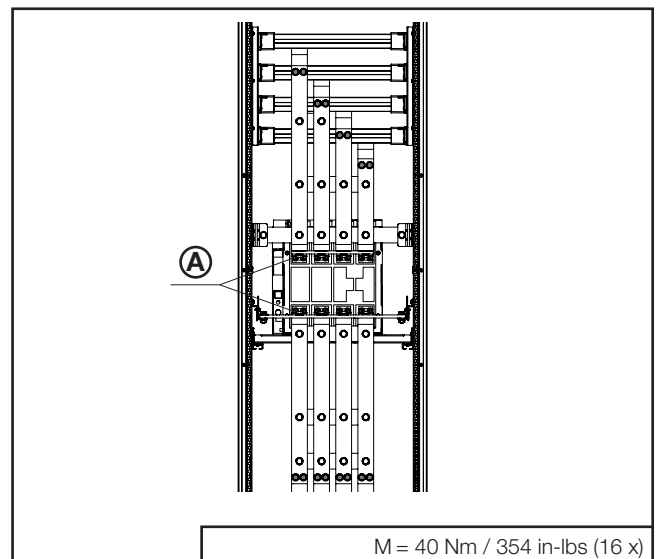


- 3. Anbindung ACB an 8-poliges HSS (System A plus B)
- 3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
- 3. Connexion du disjoncteur de puissance au jeu de barres principal octopolaire (système A + B)

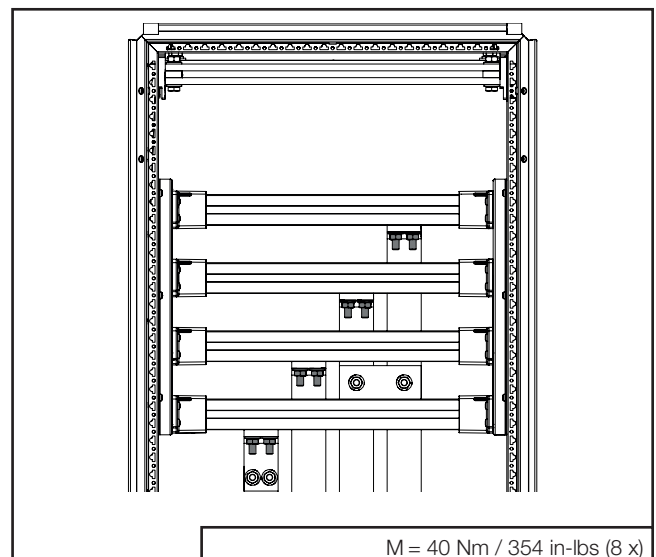
- 3.4 Montage des offenen Leistungsschalters – Anziehen der Schrauben
- 3.4 Fitting the circuit-breaker – Tightening the screws
- 3.4 Montage du disjoncteur de puissance – serrage des vis



M = 40 Nm / 354 in-lbs (16 x)



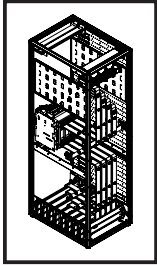
M = 40 Nm / 354 in-lbs (16 x)



M = 40 Nm / 354 in-lbs (8 x)



Hinweis / Note / Remarque **(A)**
 Drehmoment Befestigungsschrauben gemäß Hersteller des ACB!
 Tightening torque of the fastening screws in accordance with the manufacturer of the ACB!
 Couple de serrage des vis de fixation en fonction de la marque du disjoncteur de puissance !

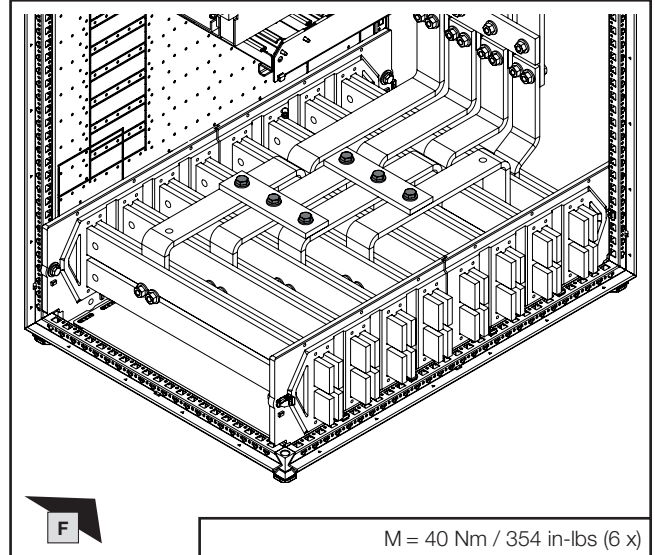
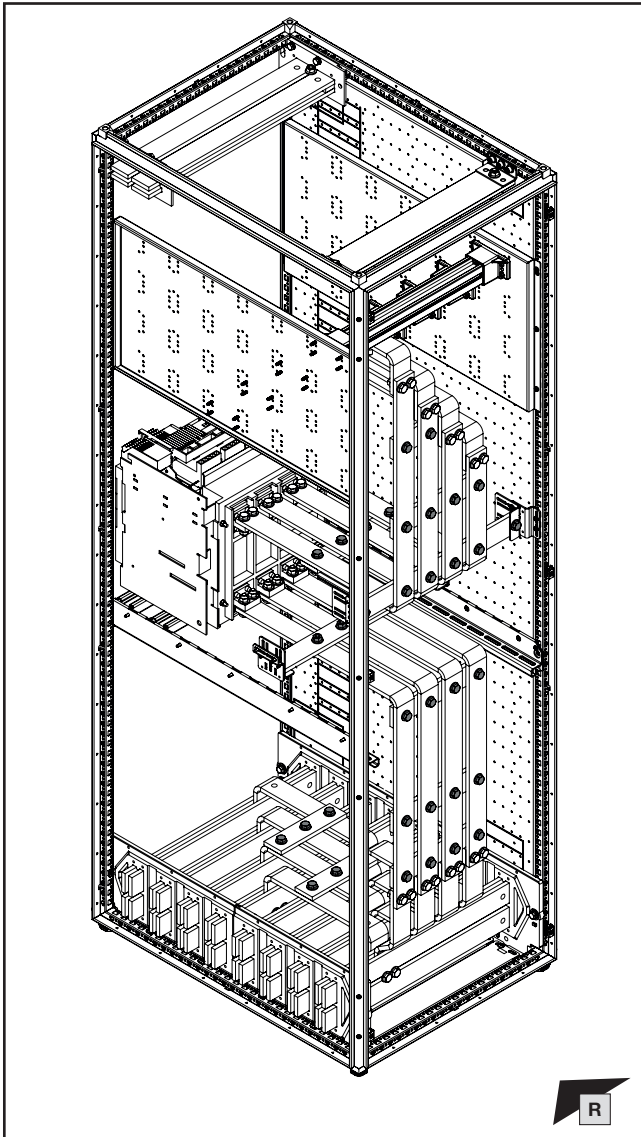


SW16/
SW17



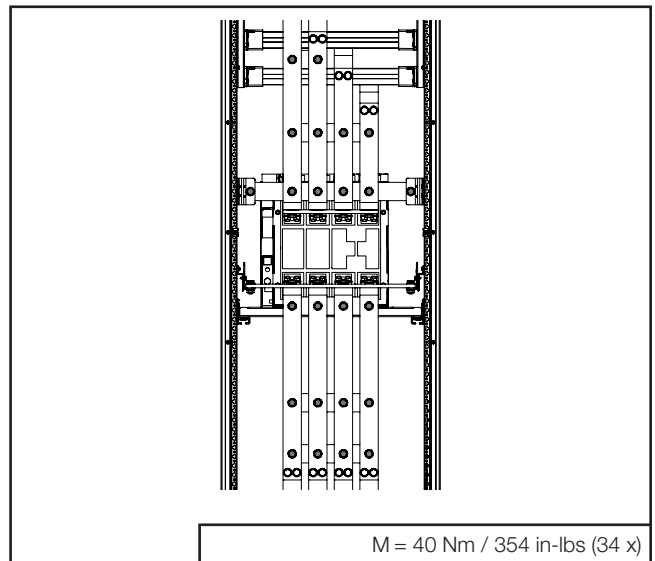
3. Anbindung ACB an 8-poliges HSS (System A plus B)
3. Connecting the circuit breaker to an 8-pole MBS (system A plus B)
3. Connexion du disjoncteur de puissance au jeu de barres principal octo-polaire (système A + B)

- 3.4 Montage des offenen Leistungsschalters – Anziehen der Schrauben
- 3.4 Fitting the circuit-breaker – Tightening the screws
- 3.4 Montage du disjoncteur de puissance – serrage des vis



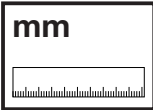
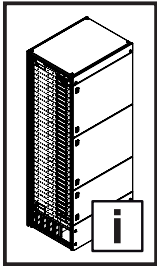
F

M = 40 Nm / 354 in-lbs (6 x)

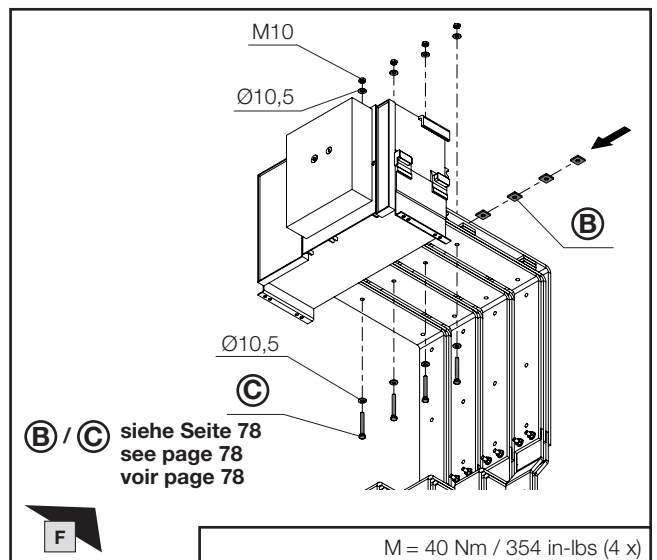
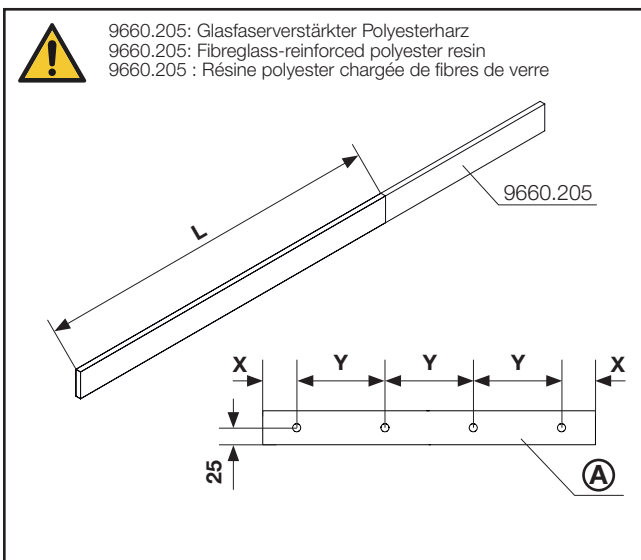
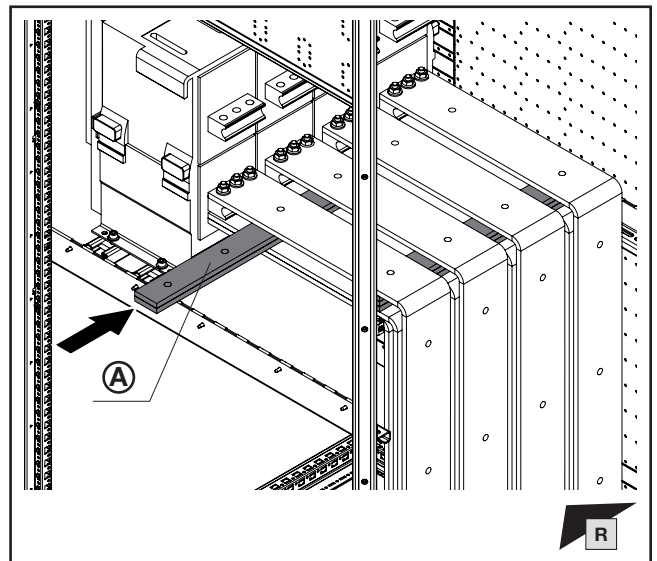
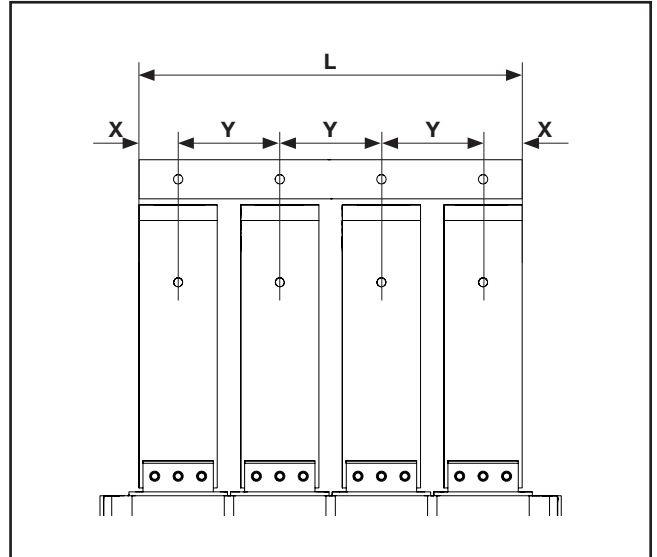
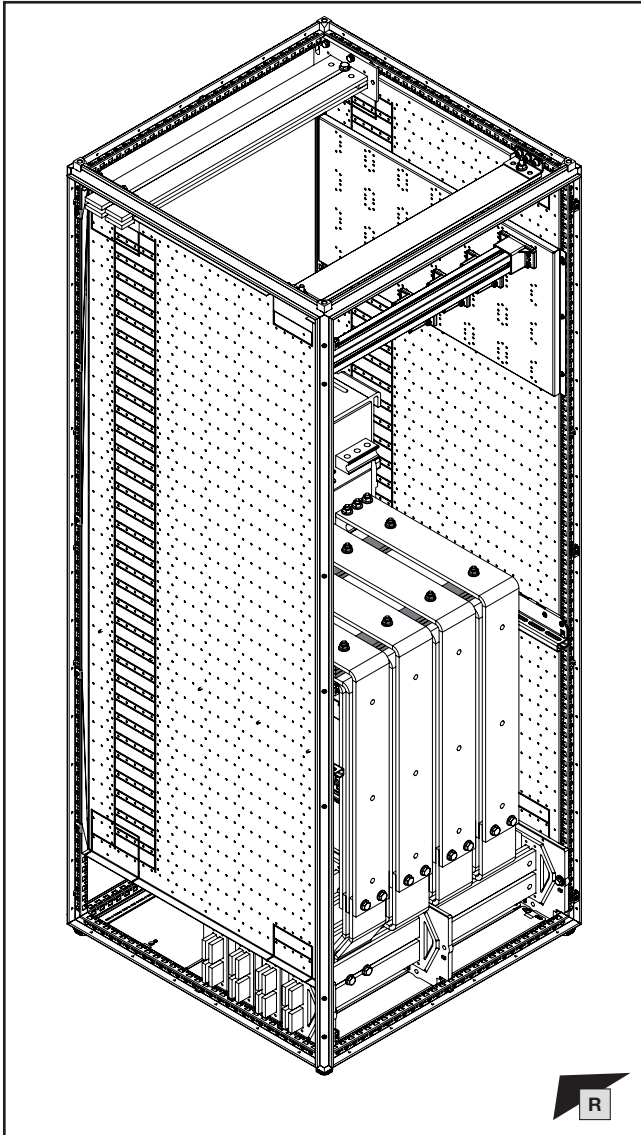


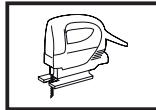
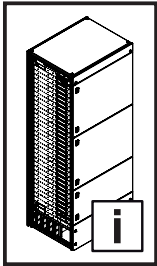
M = 40 Nm / 354 in-lbs (34 x)

R

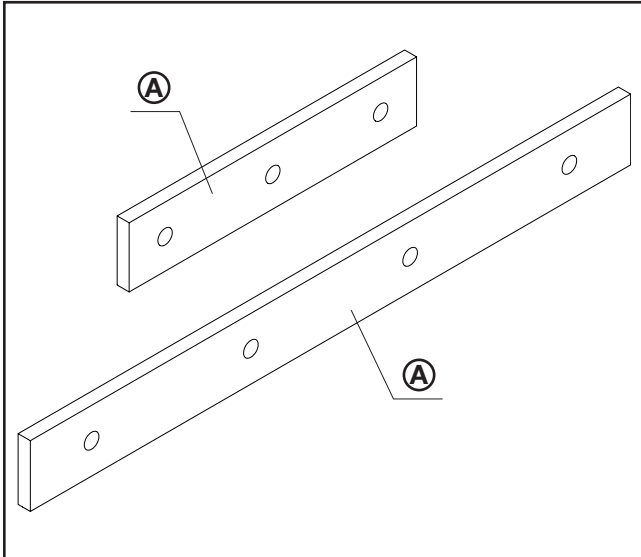


4. Stabilisierung verschiedener Laschenhöhen des offenen Leistungsschalters
 4. Stabilising different circuit-breaker connector heights
 4. Stabilisation de différents raccordements de disjoncteurs de puissance





4. Stabilisierung verschiedener Laschenhöhen des offenen Leistungsschalters
 4. Stabilising different circuit-breaker connector heights
 4. Stabilisation de différents raccordements de disjoncteurs de puissance



Sammelschienenverbindungen
 Busbar connections
 Jonctions de jeux de barres

©
 $L = D + 15$

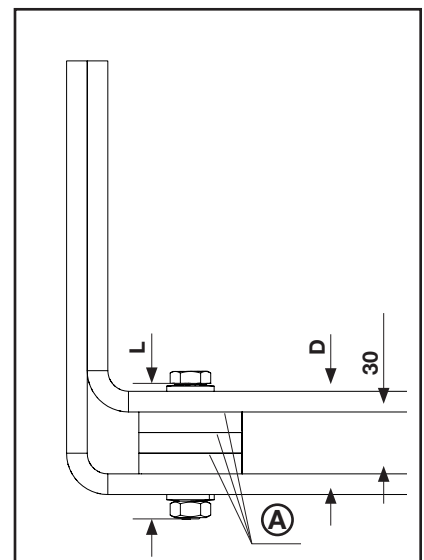
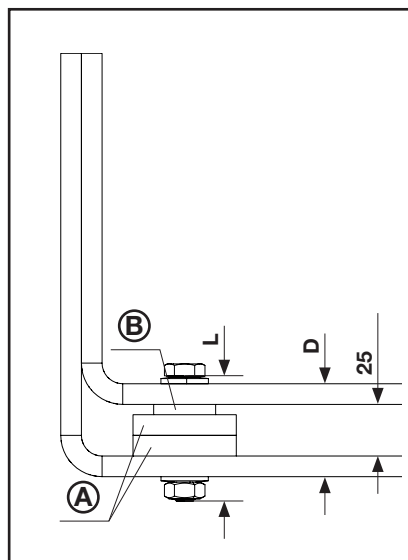
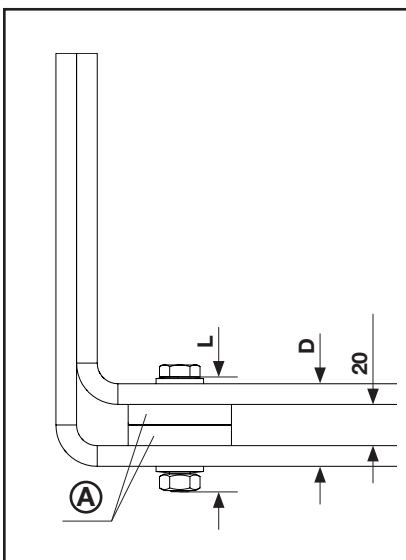
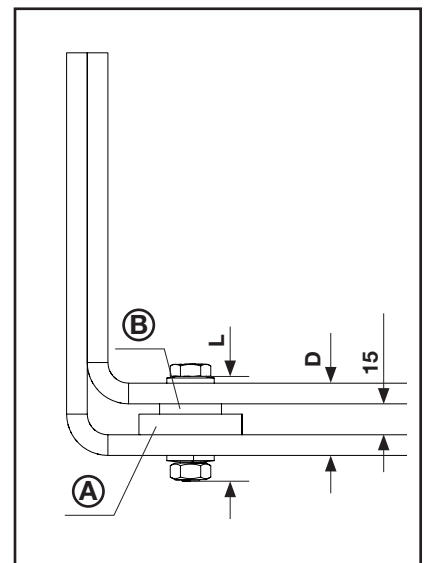
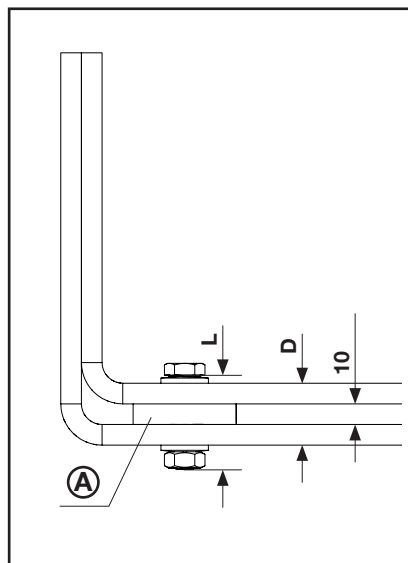
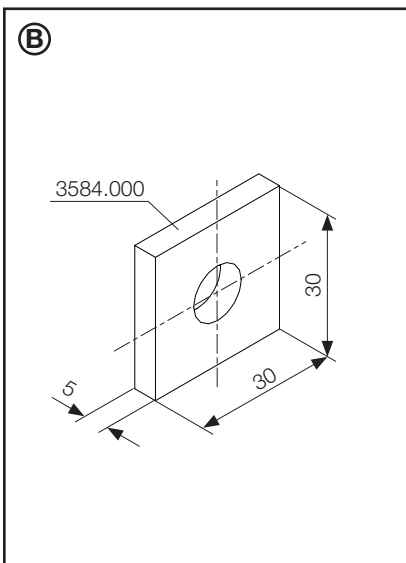
Ausführung Schraube mm Screw design mm Type de vis mm	Best.-Nr. Model No. Référence
M10 x 35	9686.830
M10 x 45	9686.845
M10 x 55	9686.865
M10 x 65	9686.855

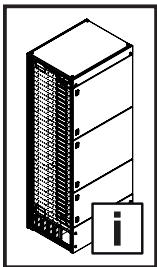
Montageanleitung VX25 Ri4Power – Schalt- und Energieverteilanlagen-System

Assembly instructions VX25 Ri4Power – Switchgear and power distribution system

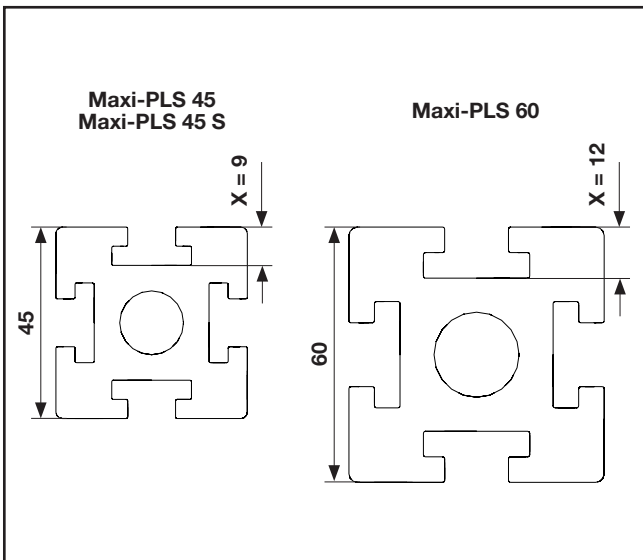
Notice de montage VX25 Ri4Power – Distribution de courant

DE/EN/FR






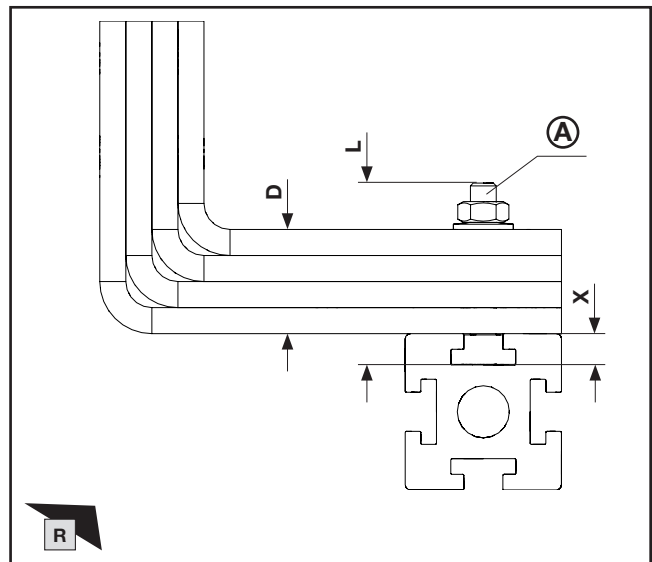
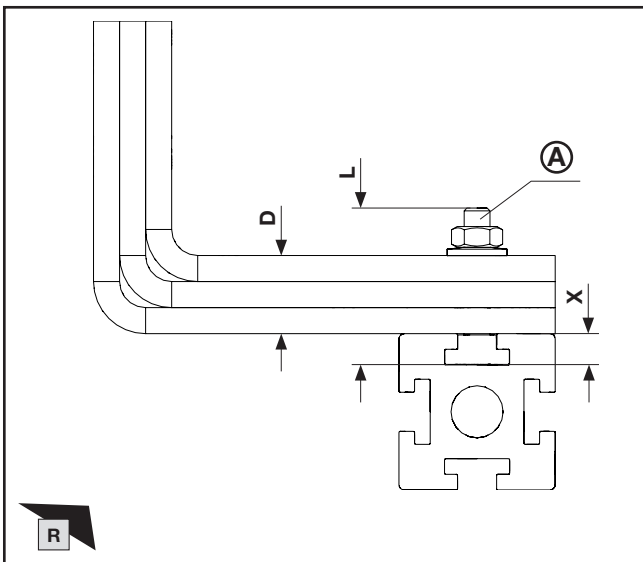
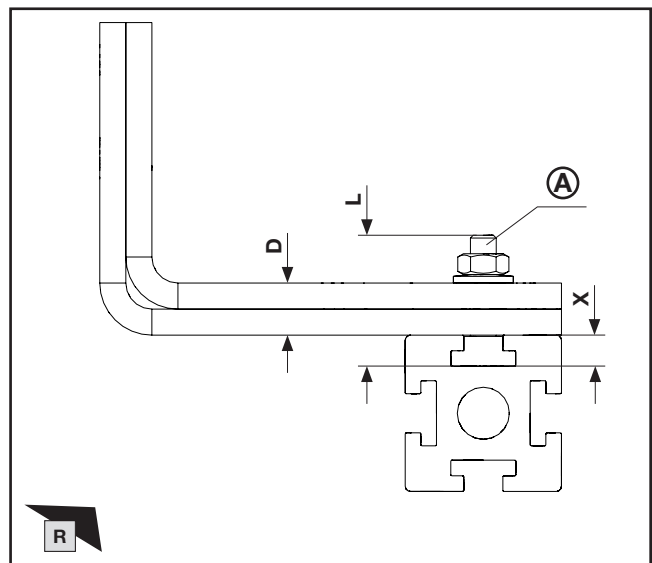
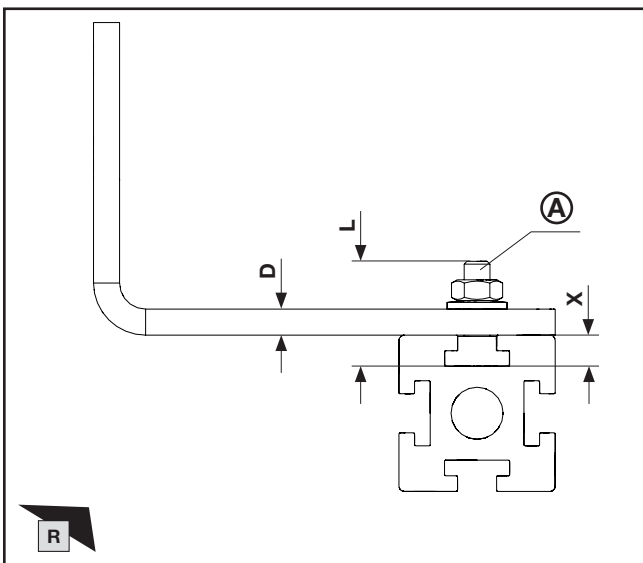
5. Bestimmung Bolzenlänge
5. Determining the bolt length
5. Détermination de la longueur des boulons

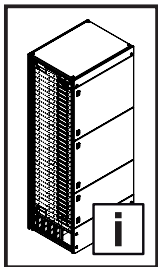


Mindestlänge Gewindebolzen
Minimum length of threaded bolt
Longueur minimale des boulons filetés

$$L = X + D + 15$$

Gewinde Thread Filetage	Gewindelänge mm Thread length mm Longueur du filetage mm	A  Best.-Nr. Model No. Référence
M10	35	9676.971
M10	45	9676.972
M10	55	9676.973
M10	70	9676.976
M10	80	9676.977





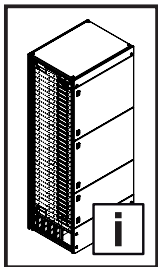
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3590.005	2
4165.500	1.9
9640.202	1.10
9640.207	1.10
9640.232	1.10
9640.237	1.10
9640.262	1.10
9640.267	1.10
9640.292	1.10
9640.297	1.10
9640.325	1.10
9640.360	1.10
9640.365	1.10
9640.940	1.10
9640.970	1.10
9640.980	1.10
9649.010	1.10
9649.360	1.10
9650.202	1.10
9650.232	1.10
9650.262	1.10
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9650.990	1.10
9659.010	1.10
9659.360	1.10
9660.205	1.15 1.16 4
9676.971	1.10 1.13
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9676.973	1.10 1.13
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9676.987	1.10
9680.406	1.2

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9680.408	1.2
9680.426	1.2
9680.428	1.2
9680.606	1.2
9680.608	1.2
9680.626	1.2
9680.628	1.2
9680.806	1.2
9680.808	1.2
9680.826	1.2
9680.828	1.2
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9681.666	1.20
9681.668	1.20
9681.686	1.20
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9682.143	1.20
9682.144	1.20
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9682.166	1.20
9682.168	1.20
9682.180	1.20
9682.181	1.20
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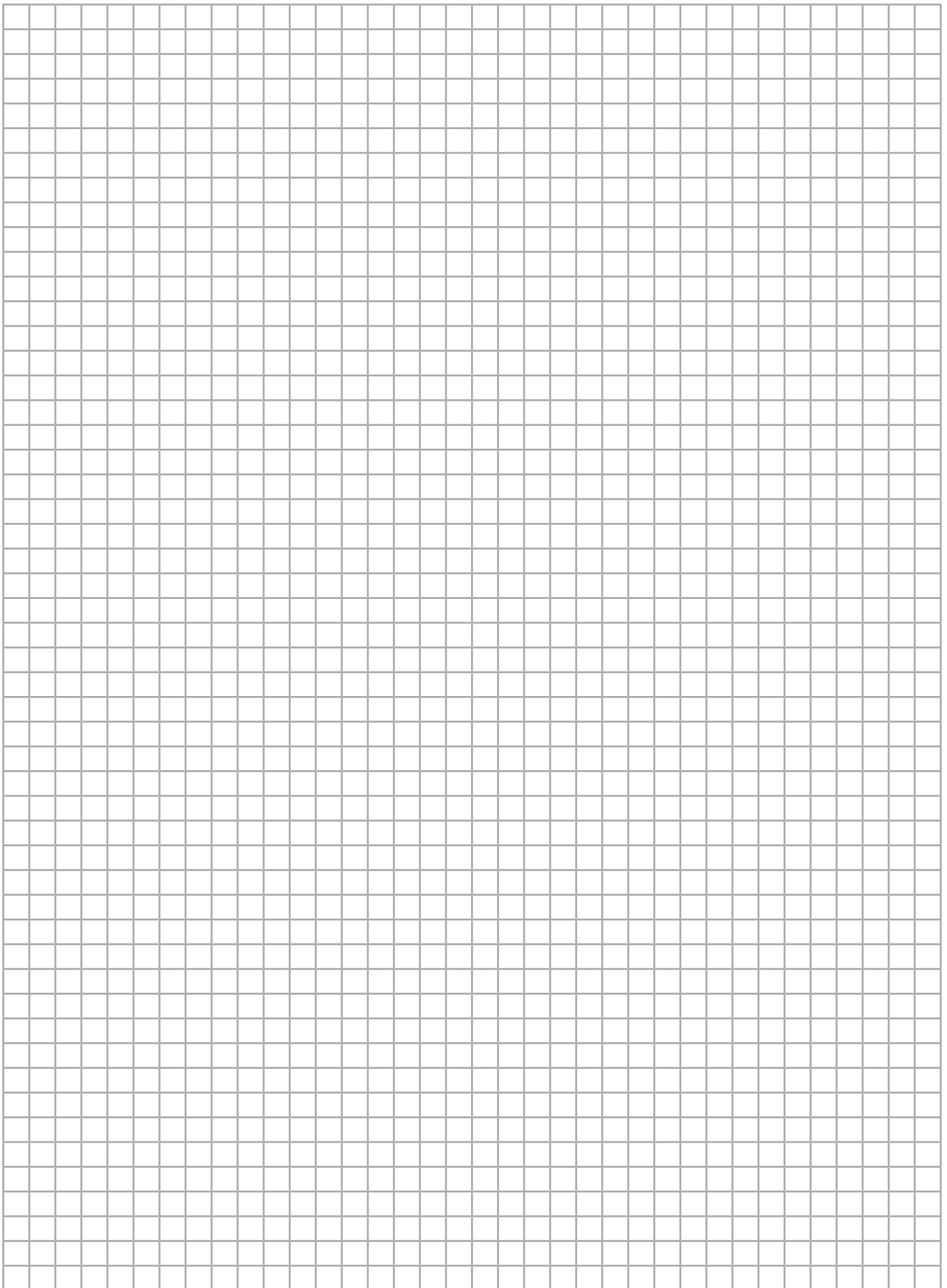
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9683.200	1.10
9683.210	1.10
9683.304	1.11
9683.306	1.11
9683.308	1.11
9683.310	1.11
9683.312	1.11
9683.326	1.11
9683.328	1.11
9683.406	1.18
9683.408	1.18
9683.426	1.18
9683.428	1.18
9683.444	1.18
9683.446	1.18
9683.448	1.18
9683.462	1.19
9683.464	1.18
9683.466	1.18
9683.468	1.18
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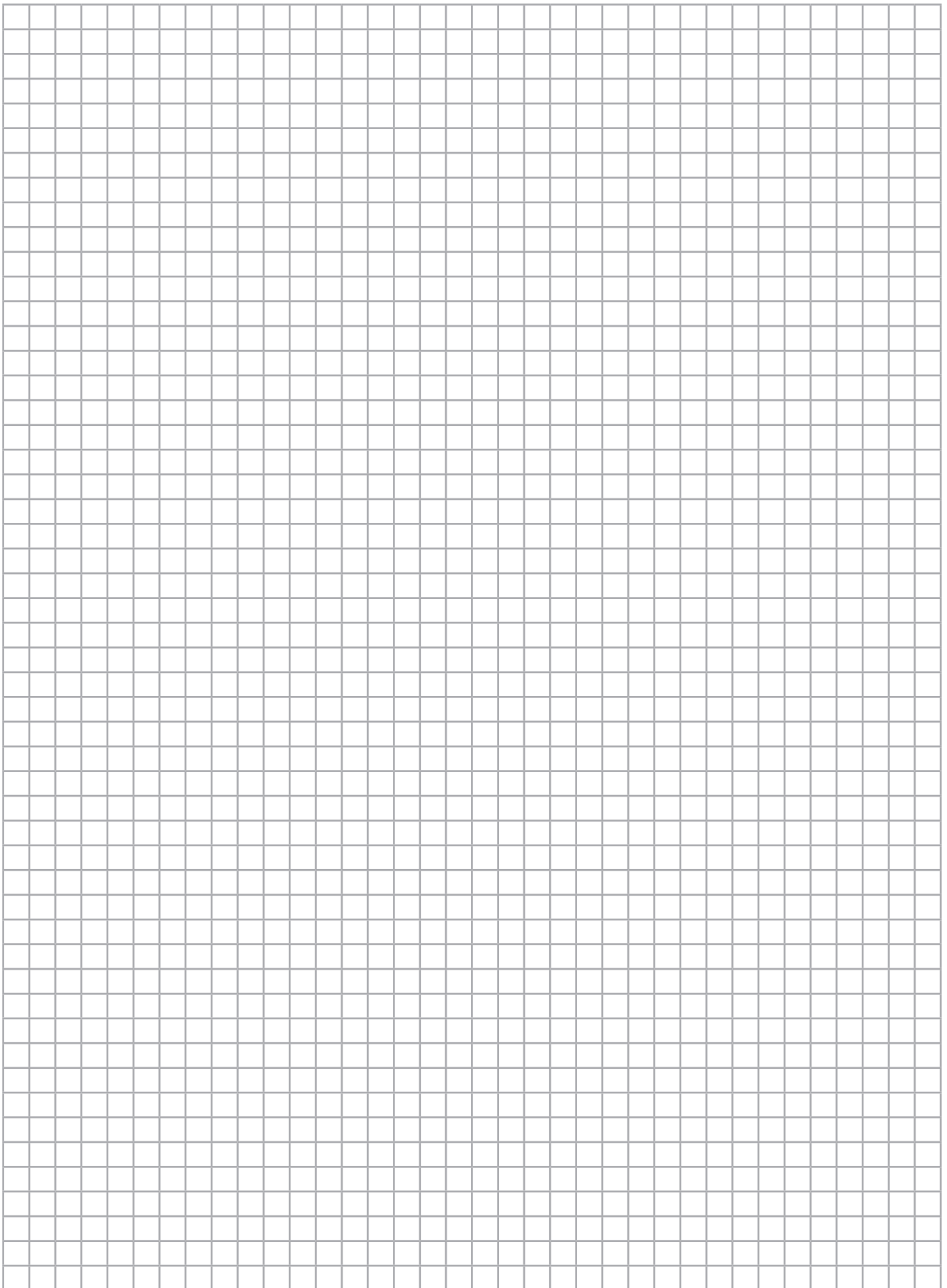
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9684.008	1.8 1.9
9684.010	1.8 1.9
9684.012	1.8 1.9
9686.000	1.9
9686.010	1.9
9686.030	1.9
9686.040	1.9
9686.300	1.8
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9686.495	1.16
9686.520	1.7
9686.522	1.7
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9686.544	1.7
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9686.548	1.7
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9686.584	1.7



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9686.845	1.8 1.13 1.14 1.16 2 4
9686.855	1.13 1.14 1.16 2 4
9686.865	1.14 2 3.2 4
9686.885	1.13 1.14 1.16 2 4
9686.912	1.10 1.13 1.14 2 3.1 3.2





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