

AM2

Manuale istruzioni

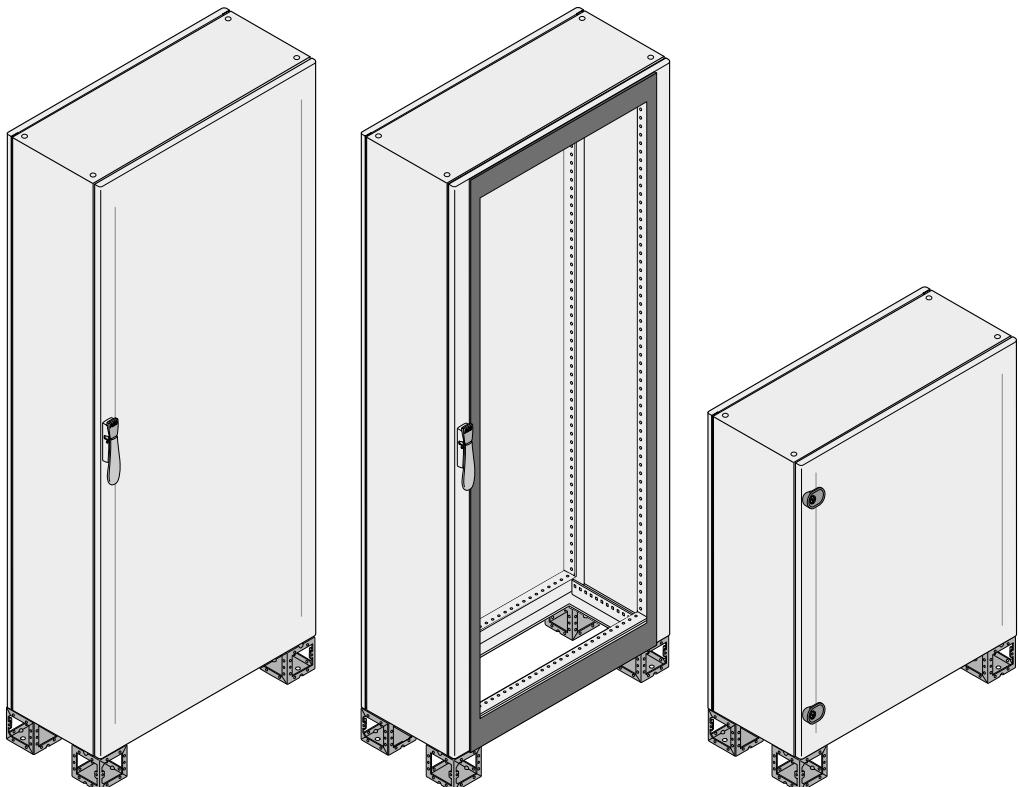
Instruction handbook

Instructions de montage

Manuale de instrucciones

Instruções de montagem

Anwender-Handbuch





IT ISTRUZIONI PER L'INSTALLAZIONE E LA MANUTENZIONE

Le operazioni di installazione, messa in servizio ed eventuale manutenzione ordinaria e straordinaria devono essere effettuate da personale qualificato, che abbia una conoscenza dettagliata dell'apparecchiatura.

ABB declina ogni responsabilità per danni a cose e persone dovute alla mancata osservanza delle istruzioni contenute in questo documento. Per qualsiasi esigenza contattare **ABB**.

GB INSTALLATION AND MAINTENANCE INSTRUCTIONS

The operations for the installation, putting into service and routine and emergency maintenance of the unit must be performed by qualified personnel with a detailed knowledge of the unit.

ABB declines all responsibility for injury to people or damage to property resulting from a failure to comply with the instructions set out in this document.

Don't hesitate to contact **ABB** for any further information you may require.

DE INSTALLATIONS- UND WARTUNGSANLEITUNGEN

Die Arbeiten für die Installation, Inbetriebnahme, Wartung und Instandsetzung müssen von Fachpersonal ausgeführt werden, das über eine eingehende Kenntnis des Geräts verfügt.

ABB haftet nicht für Schäden an Sachen oder Personen aufgrund der Missachtung der in der vorliegenden Veröffentlichung enthaltenen Anweisungen.

Wenden Sie sich bitte für alle weiteren Fragen an **ABB**.

FR INSTRUCTIONS POUR L'INSTALLATION ET L'ENTRETIEN

Les opérations d'installation, de mise en service et, éventuellement, d'entretien ordinaire et extraordinaire doivent être effectuées par du personnel qualifié, ayant une connaissance approfondie de l'appareillage. **ABB** décline toute responsabilité en cas de dommages causés à des personnes ou des biens dus au non-respect des instructions contenues dans ce document.

Pour toute exigence, contacter **ABB**.

ES INSTRUCCIONES DE INSTALACIÓN Y MANTENIMIENTO

Las operaciones de instalación, puesta en servicio y mantenimiento ordinario y extraordinario deben ser efectuadas por personal calificado, que posea un conocimiento del aparato.

ABB declina toda responsabilidad por daños a cosas y personas debidos al incumplimiento de las instrucciones contenidas en este documento. Para cualquier exigencia ponerse en contacto con **ABB**.

BG ИНСТРУКЦИИ ЗА ИНСТАЛИРАНЕ И ПОДДРЪЖКА

Операциите по инсталациране, въвеждане в експлоатация и евентуална рутинна и извънредна поддръжка, трябва да се извършват от квалифициран персонал, които има задълбочени познания на апаратурата.

ABB не носи отговорност за щети на имущество или на хора, поради неспазване на инструкциите в този документ.

При всяка нужда, свържете се с **ABB**.

CS POKYNY PRO INSTALACI A ÚDRŽBU

Úkony spojené s instalací, uvedením do provozu a případnou běžnou i mimořádnou údržbou musí být prováděny kvalifikovaným personálem, který je detailně seznámen se zařízením.

ABB odmítá jakoukoliv odpovědnost za ublížení na zdraví osob a za škody na majetku v důsledku nedodržení pokynů uvedených v tomto dokumentu.

V případě jakýchkoli potřeb se obrátte na firmu **ABB**.

DA INSTRUKTIONER VEDRØRENDE INSTALLATION OG VEDLIGEHOLDELSE

Indgåbene i forbindelse med installation, ibrugtagning og eventuel almindelig og ekstraordinær vedligeholdelse skal udføres af kvalificeret personale med indgående kendskab til apparatet.

ABB kan ikke gøres ansvarlig for materielle skader og kvæstelser som følge af manglende overholderse af anvisningerne i dette dokument. Kontakt **ABB** ved ethvert behov.

EL ΟΔΗΓΙΕΣ ΓΙΑ ΤΗΝ ΕΓΚΑΤΑΣΤΑΣΗ ΚΑΙ ΤΗ ΣΥΝΤΗΡΗΣΗ

Οι διαδικασίες εγκατάστασης, θέτηση σε λειτουργία και η ενδεχόμενη τακτική και έκτακτη συντήρηση πρέπει να εκτελούνται από εξειδικευμένο προσωπικό, που γνωρίζει λεπτομερώς τη συσκευή.

ABB δεν φέρει καμία ευθύνη για τραυματισμούς σε ανθρώπους ή ζώμες που οφείλονται στην μη τήρηση των οδηγιών του παρόντος εγγράφου.

Για οποιαδήποτε απαίτηση απευθυνθείτε στην **ABB**.

ET PAIGALDUS- JA HOOLDUSJUHEND

Paigaldus, töökorda panek ja vajalikud jooksvaid ning erakorralised hooldustööd peavad olema läbi viidud kvalifitseeritud, seadet põhjalikult tunvdu, personal poolt.

ABB ei vastuta selleks dokumendis sisalduvate juhiste eiramisest põhjustatud kahjude eest asjaolevate või inimestele. Kõigis küsimustes võtke ühendust **ABB**-ga.

FI ASENNUS- JA HUOLTO-OHJEET

Ainoastaan ammatillitaitoinen ja laittein perusteellisesti tuntava henkilö saa suorittaa asennustyöt, käyttönoton ja määraaikais- ja erikoishuollot.

ABB vapautuu kaikesta vastuusta materiaali- ja henkilövahinkojen osalta, jos ne ovat seurausta asiakirjan sisältämien ohjeiden noudattamatta jättämisenstä.

Ota yhteytes **ABB**-yritykseen kaikissa kysymyksissä.

HR UPUTE ZA INSTALACIJU I ODRŽAVANJEN

Poslove u vezi s instalacijom, puštanjem u rad i eventualnim redovnim i izvanrednim održavanjem mora obavljati kvalificirano osoblje koje detaljno poznaje uređaj.

ABB ne preuzima nikakvu odgovornost za materijalnu štetu i tjelesne ozljede do kojih je došlo zbog nepridržavanja uputa sadržanih u ovom dokumentu.

Za sve eventualne dodatne informacije molimo kontaktirajte **ABB**.

HU TELEPÍTÉSI ÉS KARBANTARTÁSI UTASÍTÁSOK

A telepítési-, üzembe helyezési-, valamint az esetleges rutin- és rendkívüli karbantartási munkálatakat kizárolág a készüléket alaposan ismerő szakemberek végezhetik!

Az **ABB** nem vállal felelősséget a jelen dokumentumban szereplő utasítások figyelmen kívül hagyása miatt bekövetkező dologi és személyi károkért!

Bármilyen kérdés esetén kérjük, vegye fel a kapcsolatot az **ABB** vállalattal!

LT INSTALAVIMO IR PRIEŽIŪROS NURODYMAI

Irenginiu instalavoti, įjungti, reguliarai tikrinti ar patikrinti nenumatytu atveju privalo tik kvalifikuoti asmenys, kurie gerai susipažinę su šiuo įrenginiu.

Jei nesilaikoma šiaime dokumente aprašyti nurodymu, „**ABB**“ neatysako už žmonėms ar turčių padarytą žalą.

Dėl papildomos informacijos galite kreiptis į **ABB**.



LV UZSTĀDIŠANAS UN APKOPES INSTRUKCIJAS

Darbības, kas saistītas ar uzstādišanu, lietošanu, standarta un ārkārtas apkopi, ir jāveic kvalificētam speciālistam, kuram ir detalizētas zināšanas par ierīci.

ABB neuzņemmas nekādu atbildību par personas veselībai vai mantai nodarīto kaitējumu, kas radies, neievērojot šī dokumenta instrukcijas. Ja Jums ir nepieciešama palīdzība, lūdzam sazināties ar **ABB**.

NL AANWIJZINGEN VOOR DE INSTALLATIE EN HET ONDERHOUD

De handelingen voor de installatie, inbedrijfstelling en gewoon en buitengewoon onderhoud moeten verricht worden door vakbekwaam personeel, met gedetailleerde kennis van het apparaat.

ABB kan niet aansprakelijk gesteld worden voor schade of letsel veroorzaakt door de niet inachtneming van de aanwijzingen in dit document.

Voor nadere informatie contact opnemen met **ABB**.

NO INSTRUKSJONER FOR INSTALLASJON OG VEDLIKEHOLD

Installasjon, idriftsettelse og eventuelt ordinært og ekstraordinært vedlikehold må utføres av kvalifisert personale med veldig godt kjennskap til apparatet.

ABB fraskriver seg ethvert ansvar for skader på gjenstander og personer som skyldes manglende overhold av instruksjonene i dette dokumentet. Kontakt **ABB** ved behov.

PL INSTRUKCJA INSTALOWANIA I KONSERWACJI

Czynności instalowania, przekazania do eksplatacji oraz konserwacji okresowych i awaryjnych aparatu muszą być wykonywane przez wykwalifikowany personel znający dokładnie dane aparat.

Firma **ABB** nie ponosi żadnej odpowiedzialności za obrażenia osób lub uszkodzenie mienia powstałe wskutek nie przestrzegania instrukcji podanych w niniejszym dokumencie.

W przypadku potrzeby uzyskania dodatkowych informacji prosimy skontaktować się z firmą **ABB**.

PT INSTRUÇÕES PARA A INSTALAÇÃO E A MANUTENÇÃO

As operações de instalação, activação e eventual manutenção ordinária e extraordinária devem ser efectuadas por pessoal qualificado, com um conhecimento detalhado da aparelhagem.

A **ABB** declina qualquer responsabilidade por danos a coisas e pessoas devido à inobservância das instruções contidas neste documento.

Para qualquer informação, contactar a **ABB**.

RO INSTRUCTIUNI DE INSTALARE ȘI ÎNTREȚINERE

Operațiunile de instalare, punere în funcție și eventuala întreținere obișnuita și extraordinară trebuie să fie efectuate de către un personal calificat, care să cunoască în detaliu echipamentul.

ABB declină orice responsabilitate privind daunele cauzate bunurilor și persoanelor, datorită nerespectării instrucțiunilor din prezentul document. Pentru orice alte nelamuri, contactați **ABB**.

SK POKYNY PRE INŠTALÁCIU A ÚDRŽBU

Úkony spojené s inštaláciou, uvedením do prevádzky a prípadnou bežnou i mimoriadnou údržbou musia byť vykonávané kvalifikovaným technikom, ktorý je detailne oboznámený so zariadením.

ABB odmieta akúkoľvek zodpovednosť za ublúženie na zdraví osôb a za škody na majetku v dôsledku nedodržania pokynov uvedených v tomto dokumente.

V prípade akýchkoľvek potrieb sa obrátte na firmu **ABB**.

SL NAVODILA ZA MONTAŽO IN VZDRŽEVANJE

Postopke montaže, dajanja in obratovanje in morebitnega rednega in izrednega vzdrževanja mora opravljati usposobljeno osebje, ki napravo podrobno pozna.

ABB zavrača vsako odgovornost za poškodbe ljudi ali stvari, ki so posledica neupoštevanja navodil v tem dokumentu. V primeru potrebe se obrnite na **ABB**.

SV INSTALLATIONS- OCH UNDERHÄLLSANVISNING

Installationsmomenten, igångsättningen och eventuella ordinära och extraordnära underhåll ska utföras av kvalificerad personal som har en detaljerad kännedom om apparaten.

ABB avsäger sig allt ansvar för skador på saker och personer som orsakats på grund av bristande uppmärksamhet för anvisningarna i detta dokument.

Kontakta **ABB** för alla typer av problem.

TR KULLANIM VE BAKIM YÖNERGELERİ

Kurulum, hizmet alma ve olası olağan ve olaganüstü bakım işlemleri, teçhizat hakkında detaylı bilgiyi olan kalifiye personel tarafından yürütülmelidir.

ABB, işbu belgede yer alan yönergelere uyulmamasından dolayı insan ya da nesnelerde meydana gelebilecek zararlardan dolayı sorumluluk kabul etmemektedir.

Her türlü ihtiyaç durumunda **ABB** ile teması geçin.

RU ИНСТРУКЦИЯ ПО УСТАНОВКЕ И ТЕХОБСЛУЖИВАНИЮ

Все операции по установке, вводу в эксплуатацию, текущему и внеплановому ремонту должны выполняться квалифицированным персоналом, подробно ознакомленным с прибором.

Фирма **ABB** снимает с себя всякую ответственность за повреждения, причиненные людям и/или предметам из-за несоблюдения указаний настоящей инструкции.

Для любого вопроса обратитесь к **ABB**.

ZH 安装及维护指南

断路器装置的安装、操作、常规维护及紧急维修工作必须由熟悉本装置的合格技术人员来完成。

若因不遵守以上操作规程而发生人员或财务受伤、受损，**ABB**概不负责。若需要其他资料或信息，请随时与**ABB**联系。

AR إرشادات التركيب والصيانة

عمليات التركيب وبداية التشغيل والصيانة العادية والاستثنائية المحددة هي عمليات يجب أن تتم فقط على يد طاقم عمل متخصص ومؤهل وممتد يمكن على دراية تفصيلية بالجهاز وبجميع مكوناته.

تحذى شركة **ABB** مسؤوليتها عن أي أضرار أو تلفيات قد تصيب الأشخاص أو الأشياء جراء عدم مراعاة واحترام التعليمات والإرشادات والتوجيهات الواردة في هذه الوثيقة.

عد المبرورة نصل بشركة **ABB**

Sommario

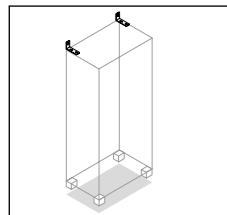
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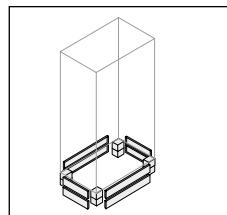
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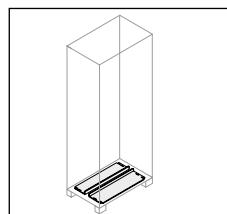
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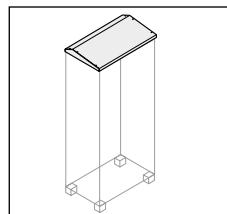
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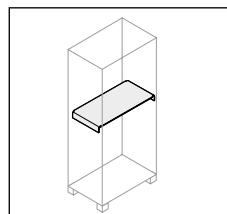
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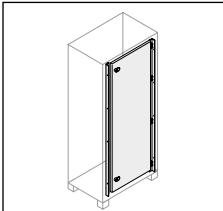
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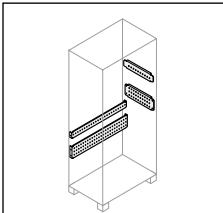
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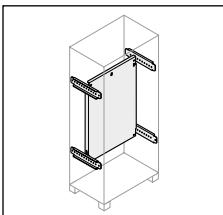
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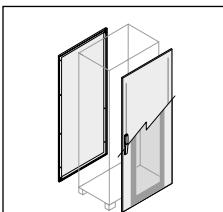
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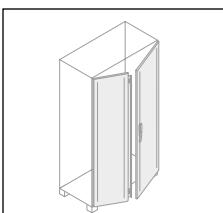
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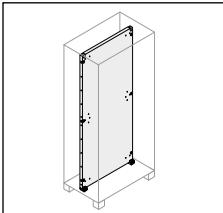
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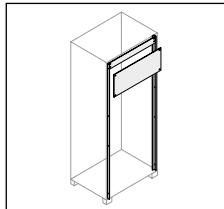
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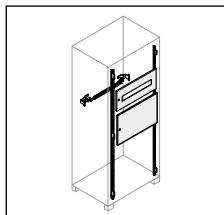
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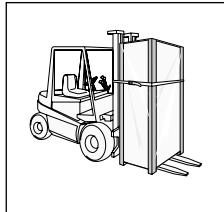
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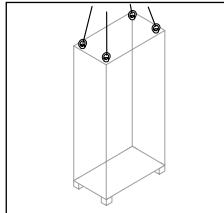


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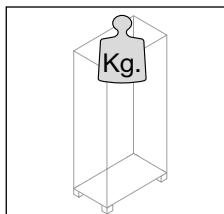


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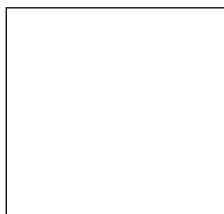
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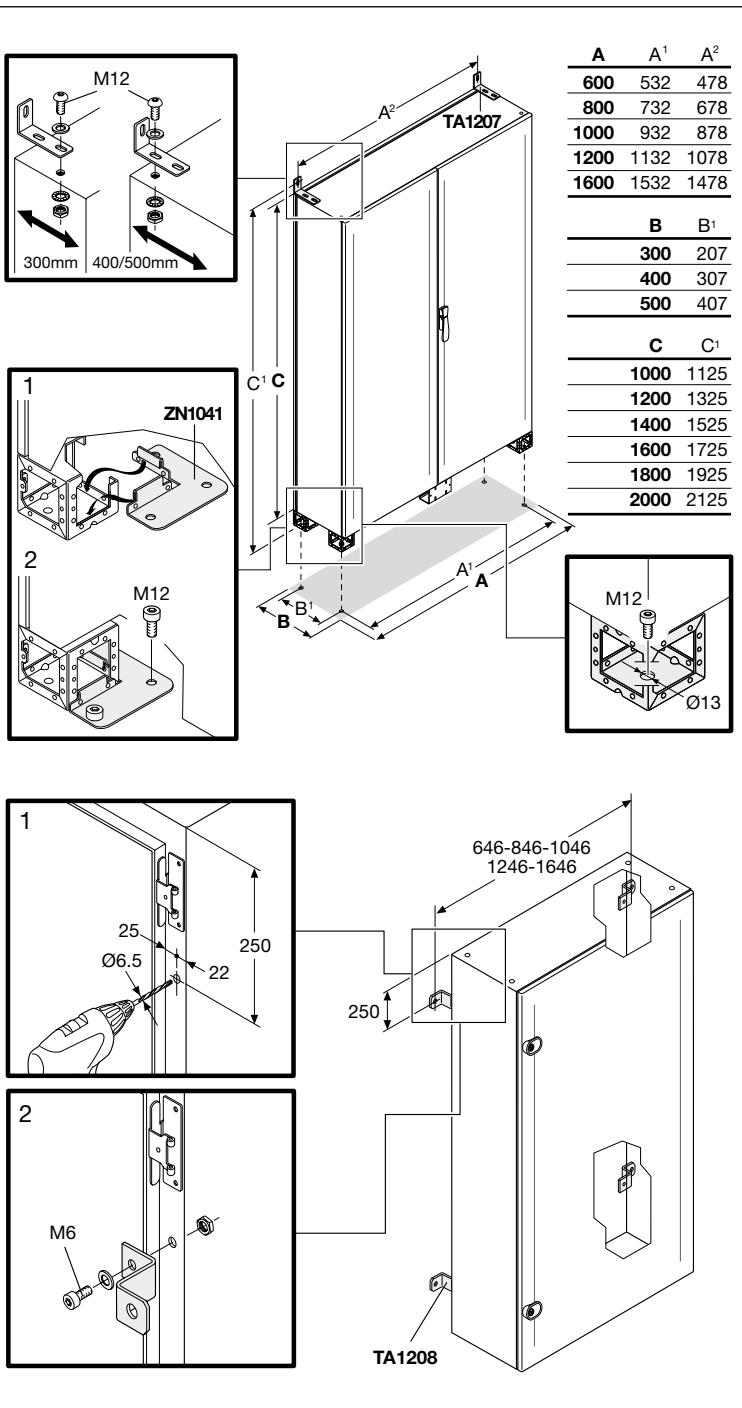
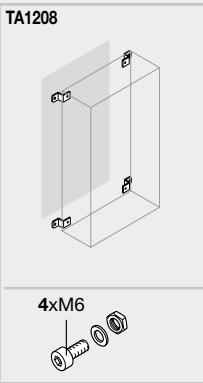
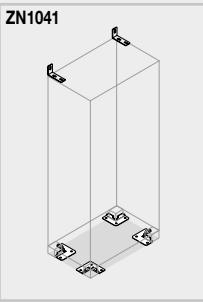
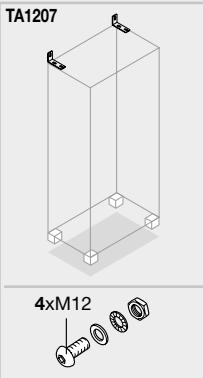
26



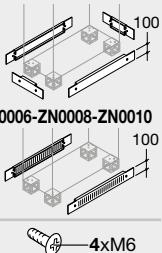
EV1004-EV1005-EV1006

27

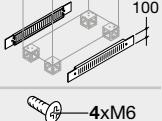




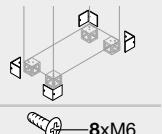
**ZN1200-ZN1600-ZN3011
ZN4011-ZN5011-ZN1000
ZN3000-ZN4000-ZN5000
ZN6000-ZN8000**



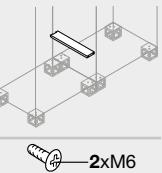
ZN0006-ZN0008-ZN0010



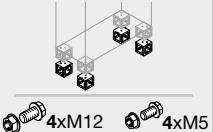
ZN1040



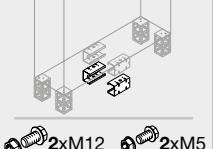
**ZN4001-ZN5001-ZN6001
ZN8001-ZN1001**



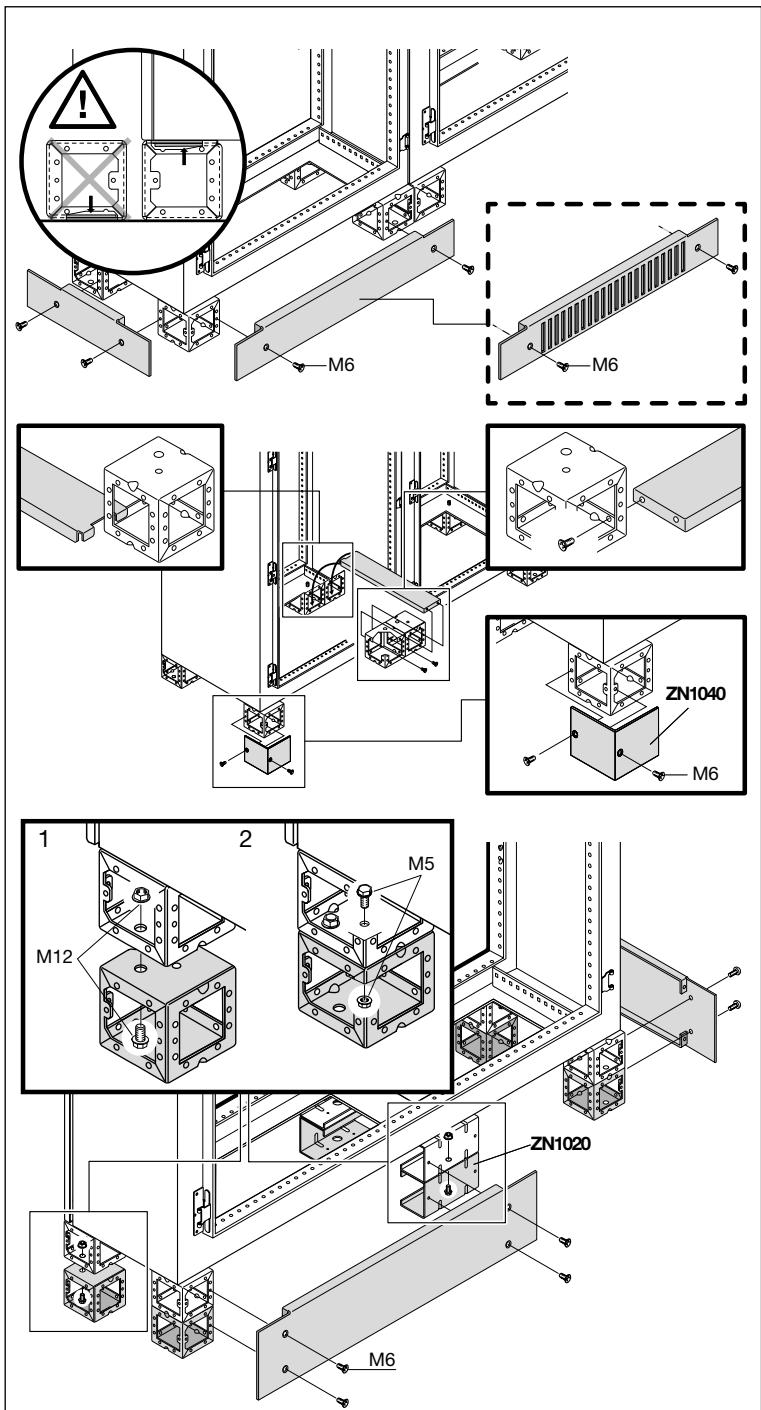
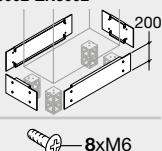
ZN1010



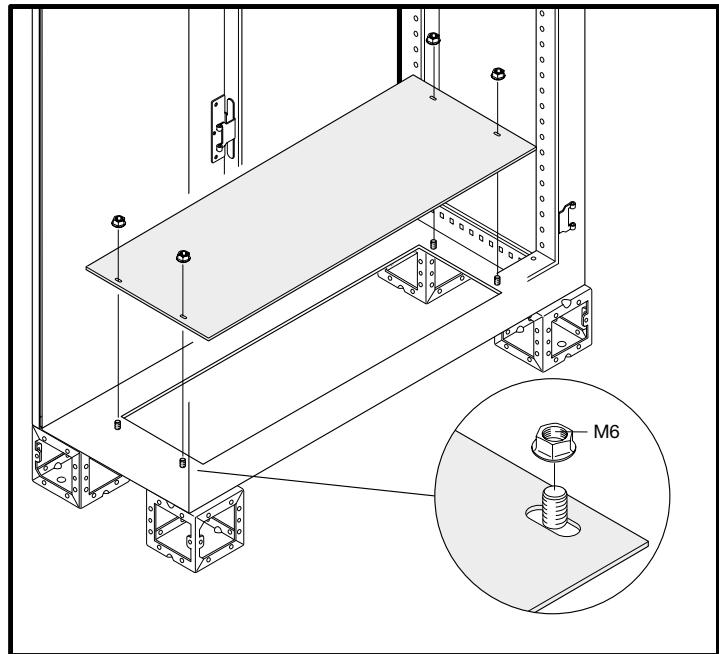
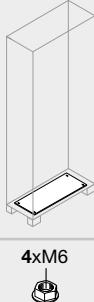
ZN1020



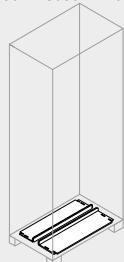
**ZN1002-ZN4002-ZN5002
ZN6002-ZN8002**



EF6032-EF8032-EF1032

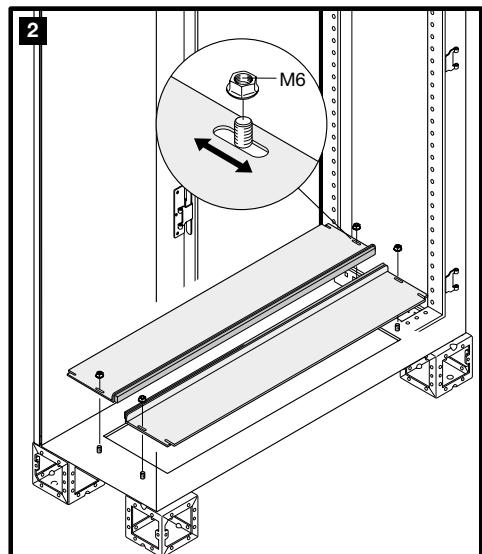
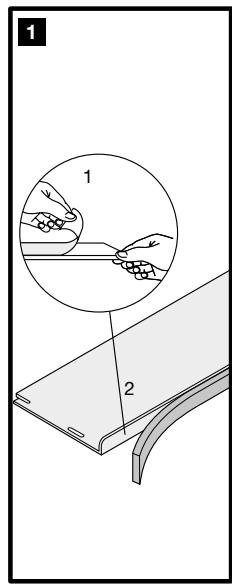


EF6032-EF8032-EF1032
EF6040-EF8040-EF1040
EF6050-EF8050-EF1053

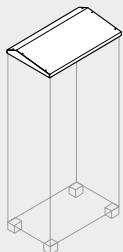


4xM6

2x



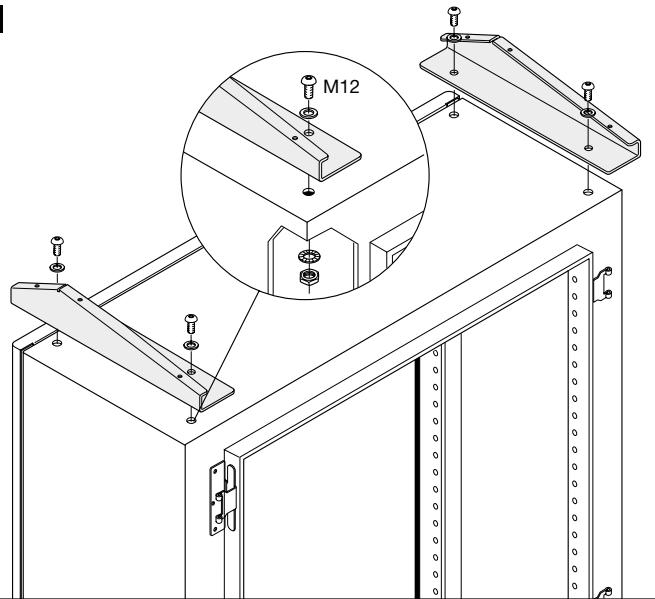
TP6030K-TP6040K-TP6050K
TP8030K-TP8040K-TP8050K
TP1030K-TP1040K-TP1050K
TP1230K-TP1240K-TP1250K



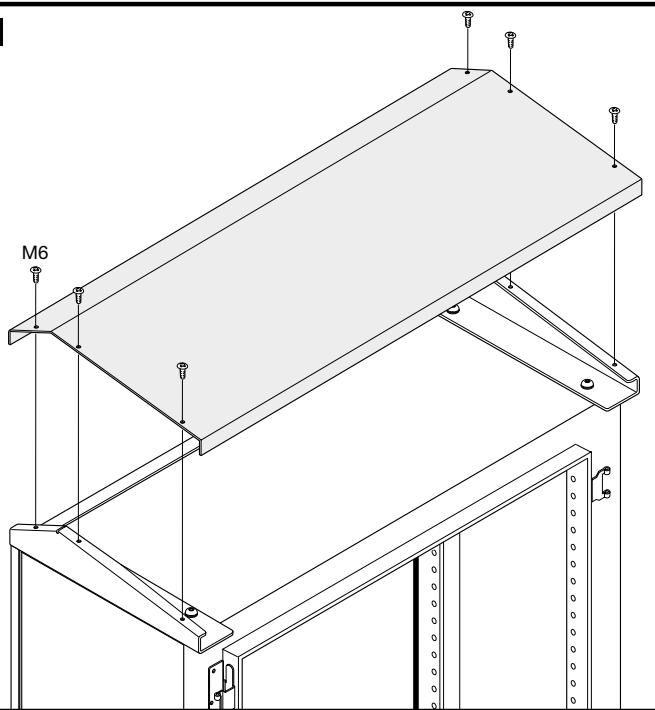
4xM12



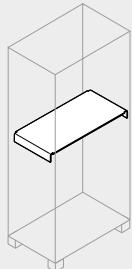
1



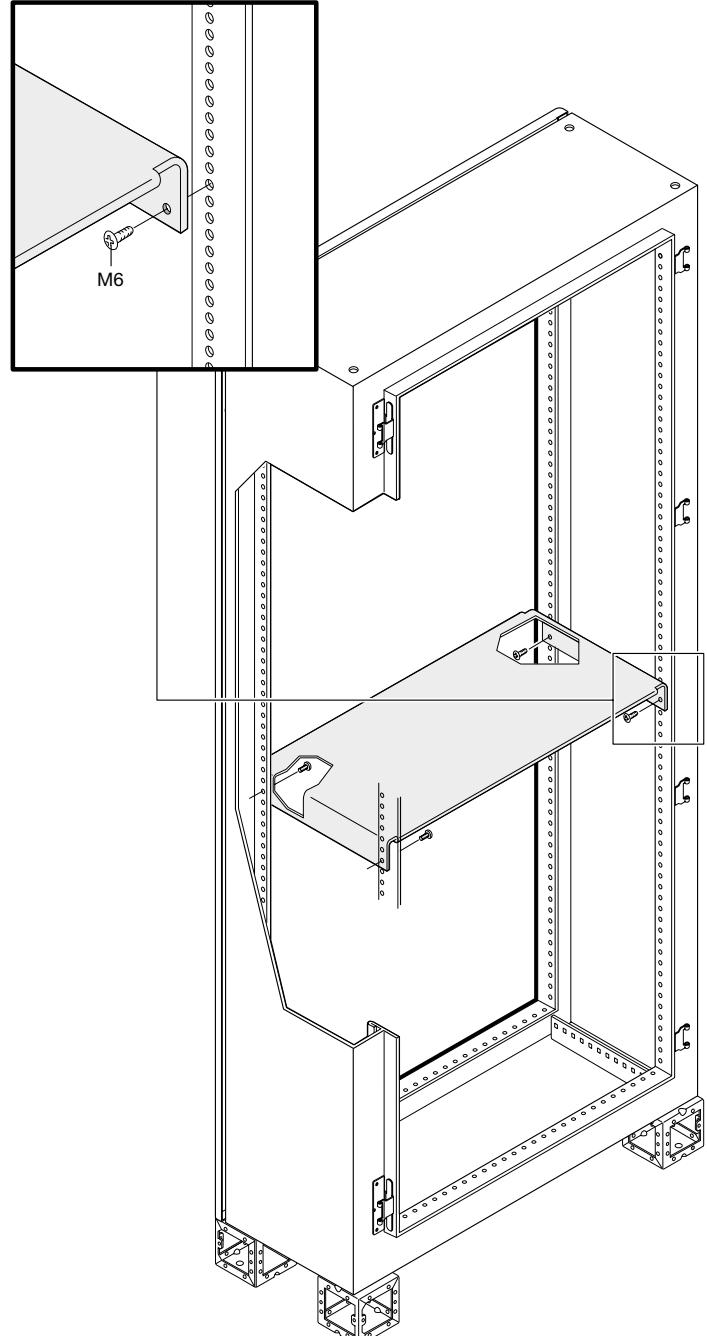
2



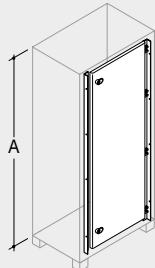
TE6031-TE6041-TE6051
TE8031-TE8041-TE8051
TE1031-TE1041-TE1051



4xM6



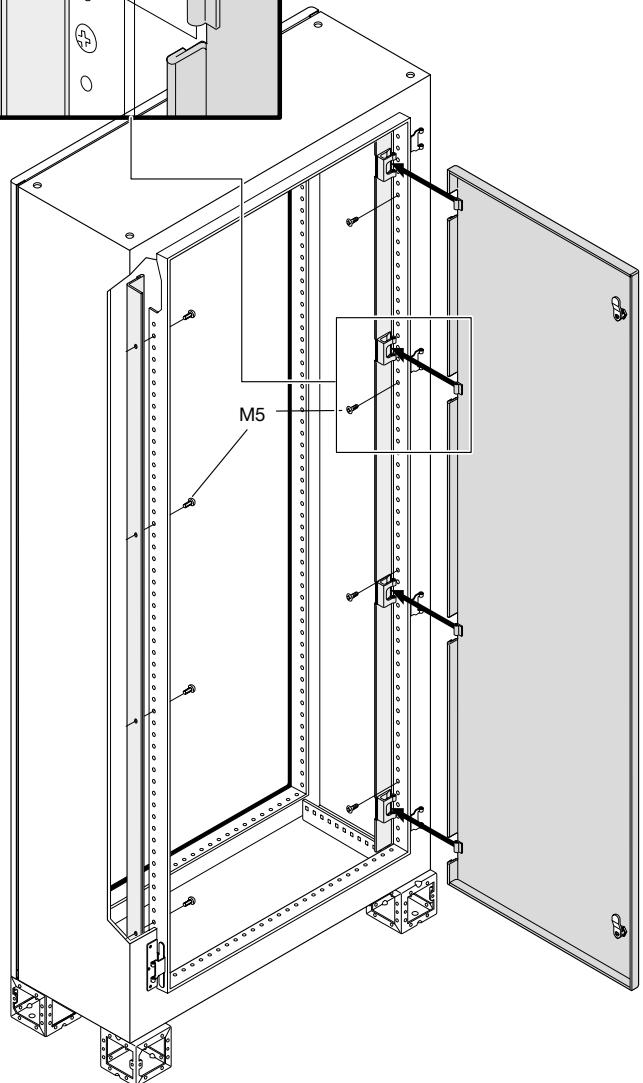
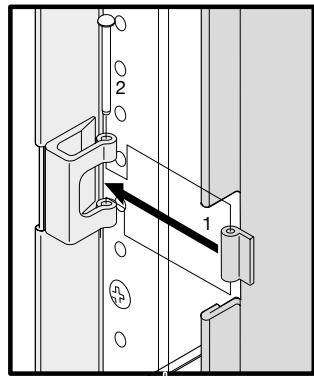
TF1060K-TF1080K-TF1010K
TF1260K-TF1280K-TF1210K
TF1460K-TF1480K-TF1410K
TF1660K-TF1680K-TF1610K
TF1860K-TF1880K-TF1810K
TF2060K-TF2080K-TF2010K

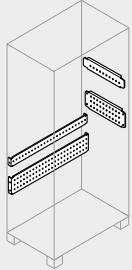


$A \leq 1200\text{mm}$

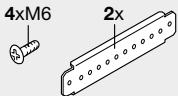


$A \geq 1400\text{mm}$

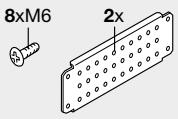




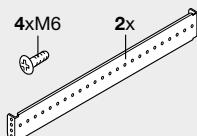
TS1003-TS1004-TS1005



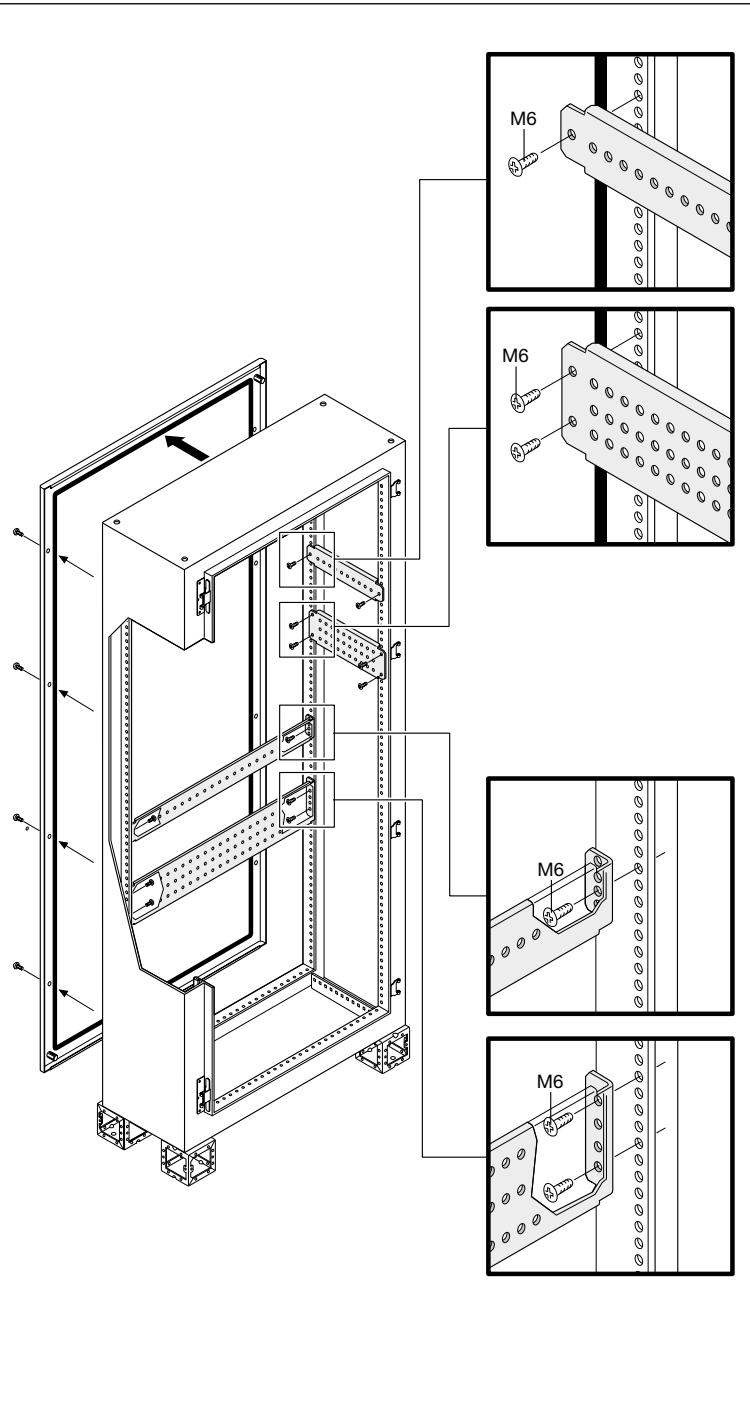
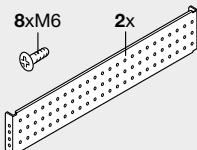
TS2003-TS2004-TS2005



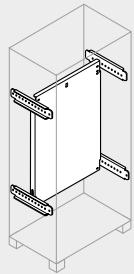
EB0600-EB0800-EB1000
EB1200



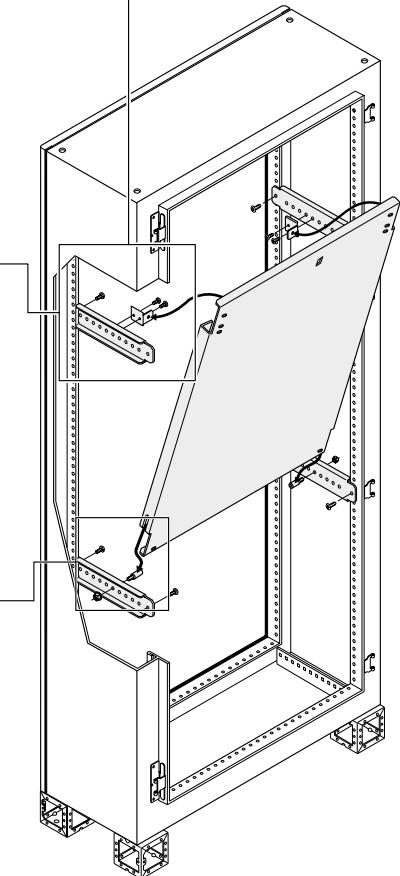
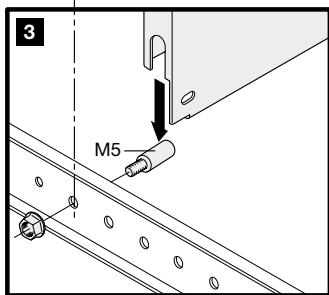
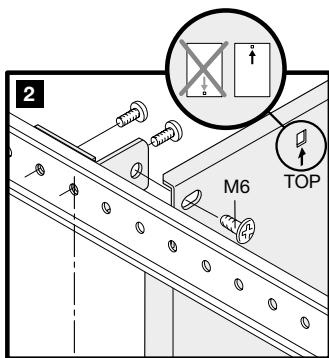
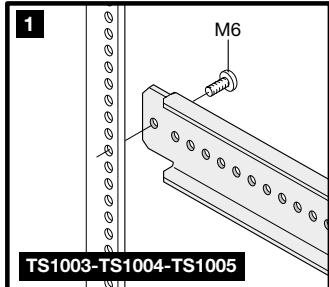
EB0660-EB0880-EB1010
EB1020



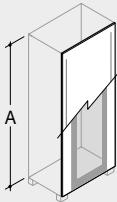
EA2062-EA3061-EA4061
EA5061-EA6061-EA8061
EA1061-EA2081-EA3081
EA4081-EA5081-EA6081
EA8081-EA1081



2x
2xM6
8xM5



TC1006K-TT1006K-TC1008K
TT1008K-TC1010K-TC1206K
TT1206K-TC1208K-TT1208K
TC1210K-TT1210K-TC1406K
TT1406K-TC1408K-TT1408K
TC1410K-TT1410K-TC1606K
TT1606K-TC1608K-TT1608K
TC1610K-TT1610K-TC1806K
TT1806K-TC1808K-TT1808K
TC1810K-TT1810K-TC2006K
TT2006K-TC2008K-TT2008K
TC2010K-TT2010K



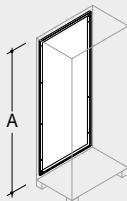
$A \leq 1200\text{mm}$

3x

$A \leq 1400\text{mm}$

4x

TE1060K-TE1080K-TE1010K
TE1012K-TE1016K-TE1260K
TE1280K-TE1210K-TE1212K
TE1460K-TE1480K-TE1410K
TE1412K-TE1660K-TE1680K
TE1610K-TE1612K-TE1860K
TE1880K-TE1810K-TE1812K
TE2060K-TE2080K-TE2010K
TE2012

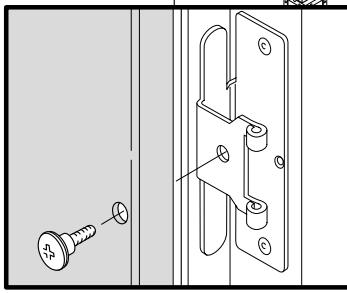
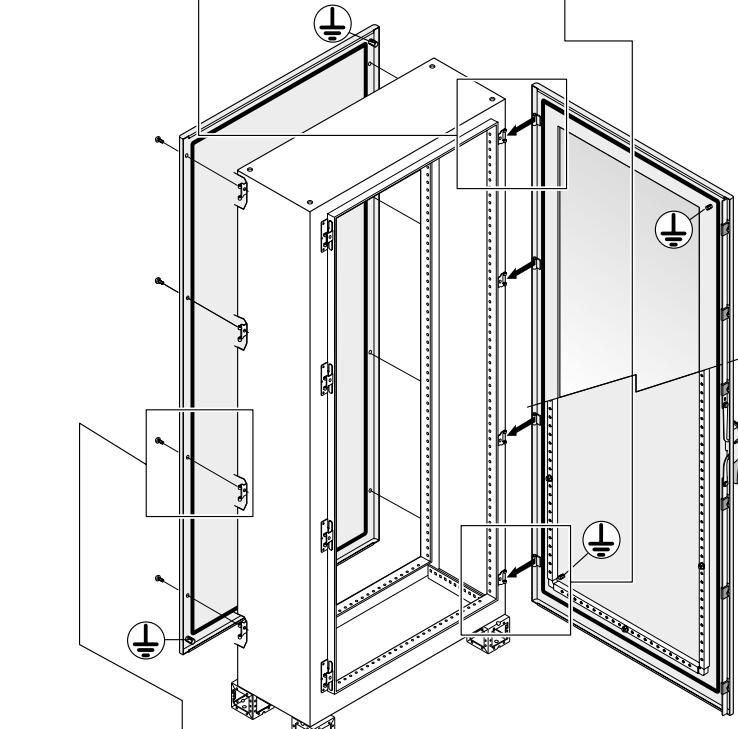
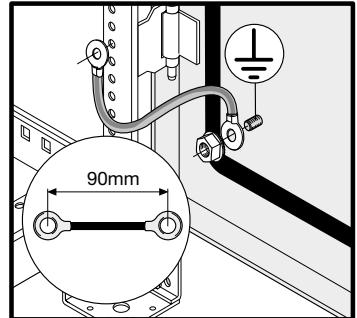
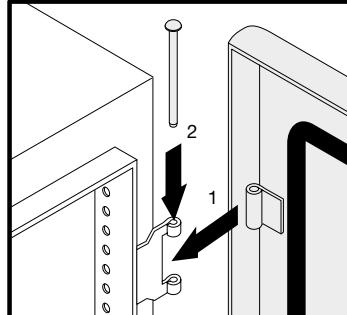


$A \leq 1200\text{mm}$

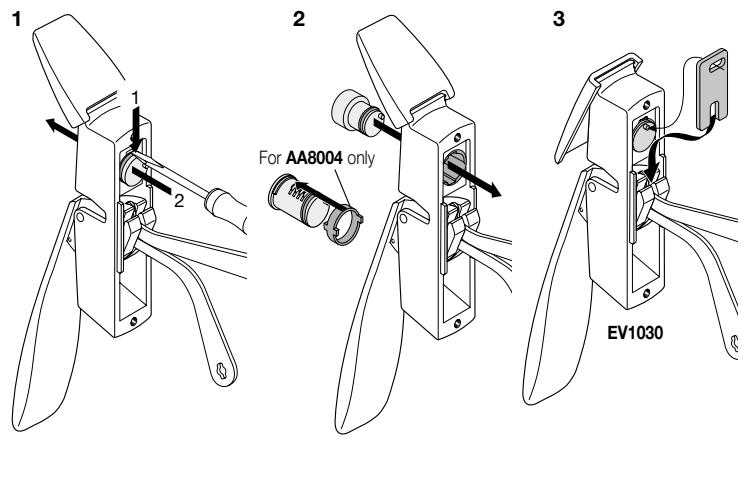
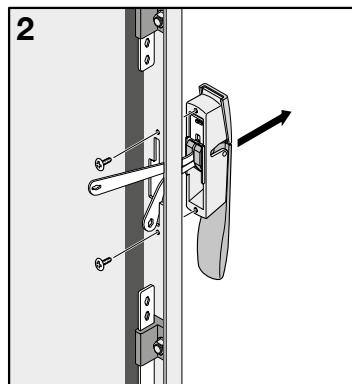
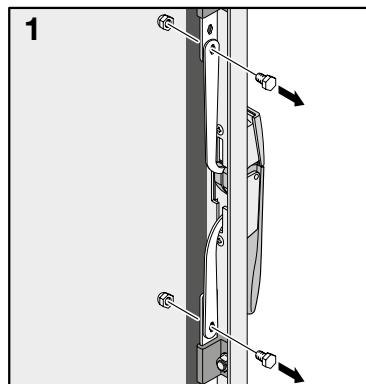
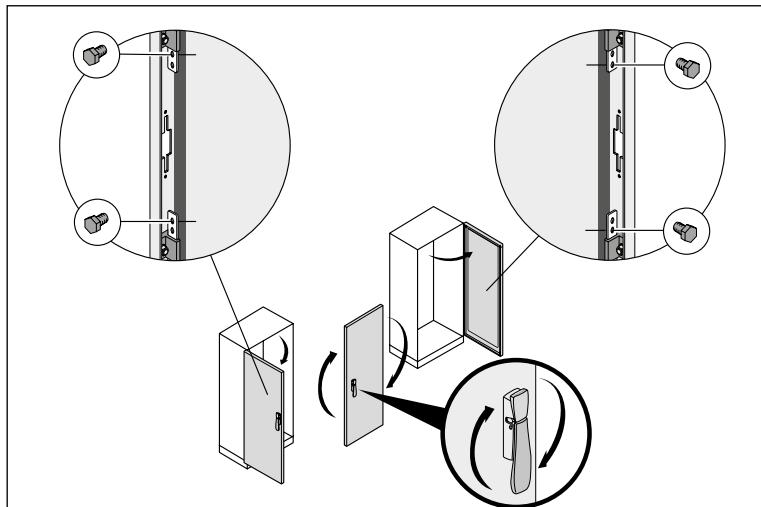
6xM6

$A \leq 1400\text{mm}$

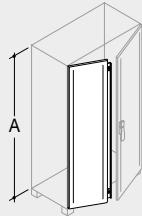
8xM6



EV1030-AD1058-AA6200
AA8004-AA6160-AA1570
AA6120-AA1560-AA6140
AA6141-AA6180-AA6190
EV1036-EV1037-EV1039



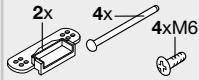
TC1008SK-TC1010SK-TC1012SK
TC1016SK-TC1208SK-TC1210SK
TC1212SK-TC1408SK-TC1410SK
TC1412SK-TC1608SK-TC1610SK
TC1612SK-TC1808SK-TC1810SK
TC1812SK-TC2010SK-TC2012SK



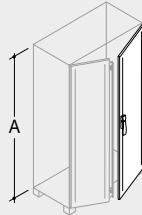
$A \leq 1200\text{mm}$



$A \leq 1600\text{mm}$



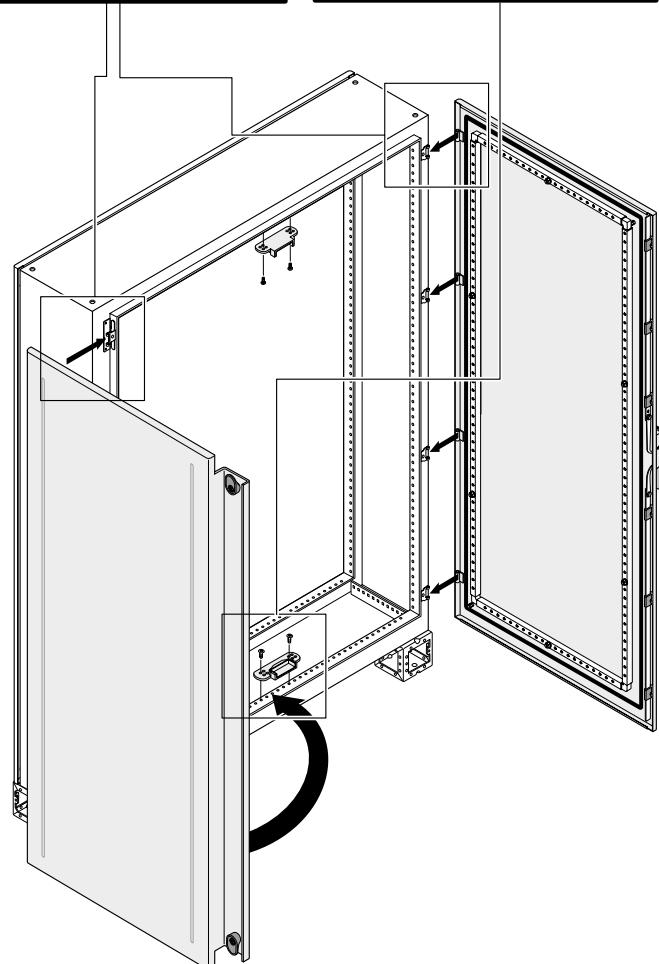
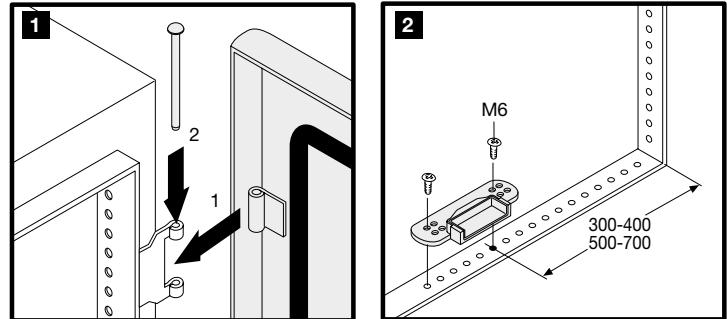
TC1008DK-TC1010DK-TC1012DK
TC1016DK-TC1208DK-TC1210DK
TC1212DK-TC1408DK-TC1410DK
TC1412DK-TC1608DK-TC1610DK
TC1612DK-TC1808DK-TC1810DK
TC1812DK-TC2010DK-TC2012DK



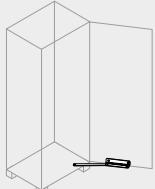
$A \leq 1200\text{mm}$



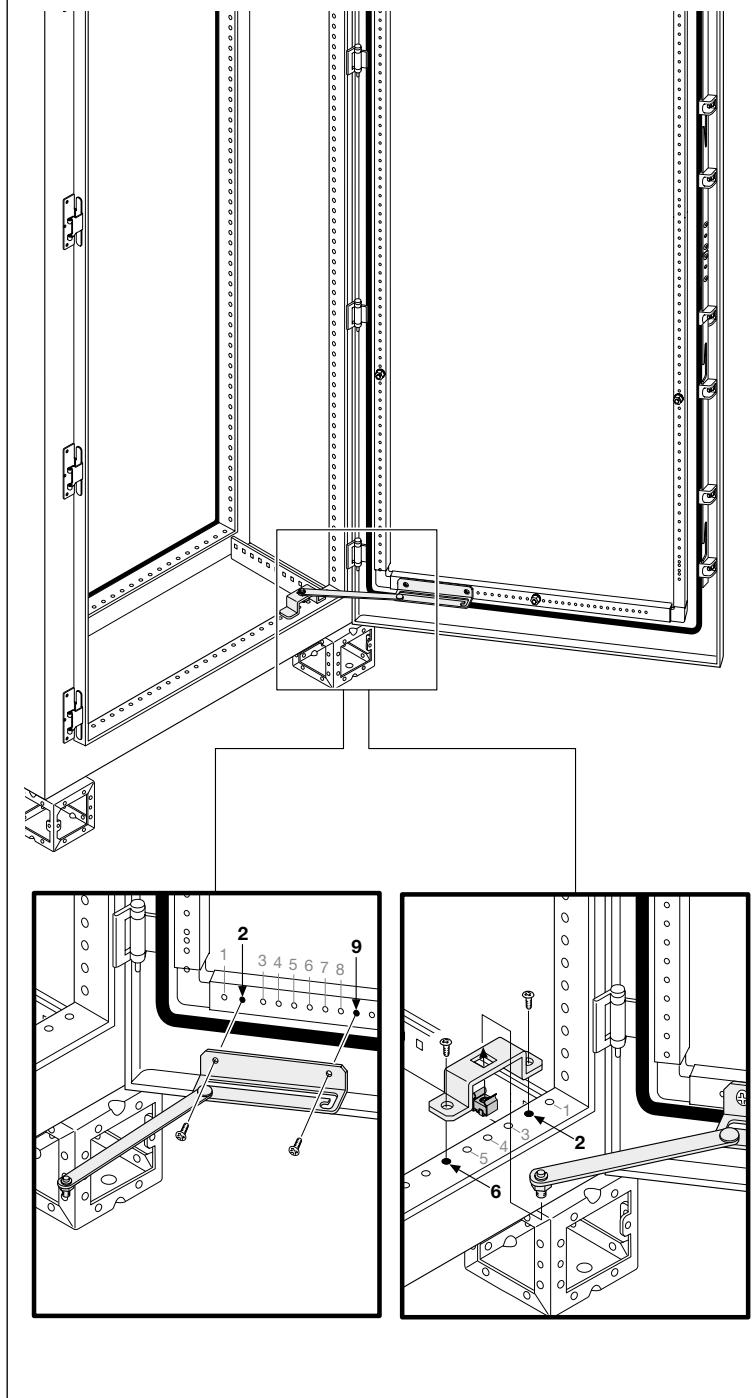
$A \leq 1400\text{mm}$



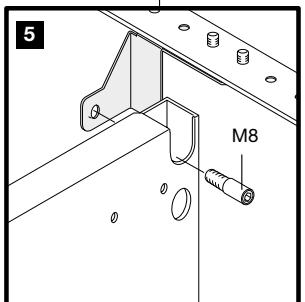
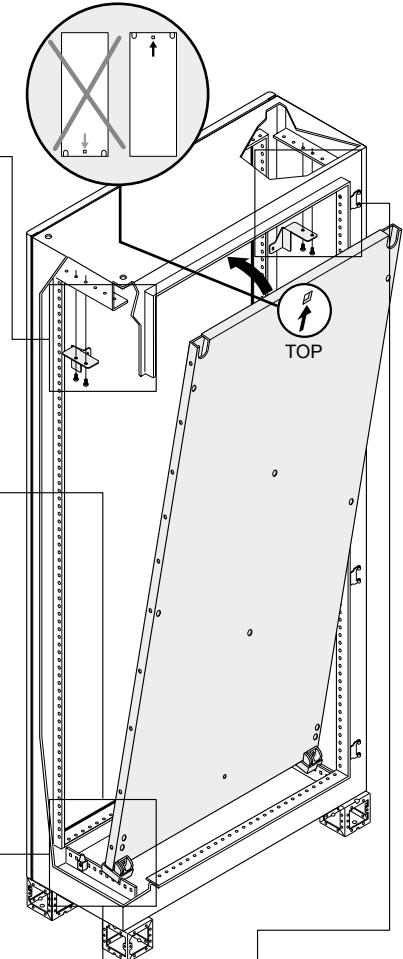
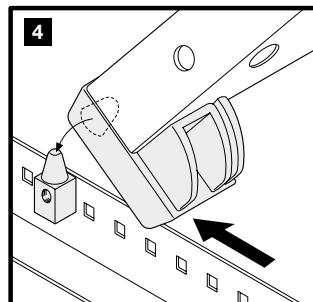
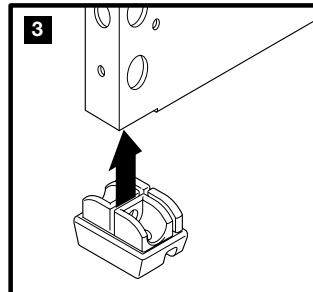
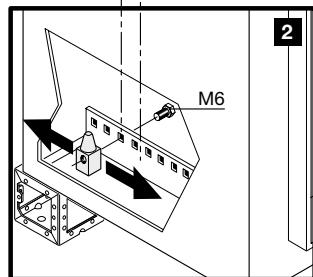
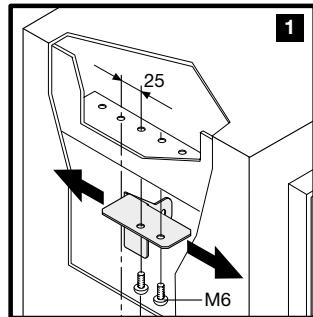
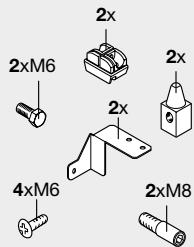
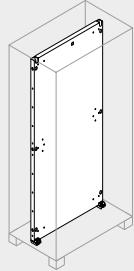
TA5510



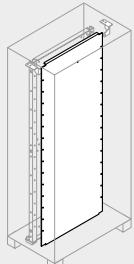
4xM6



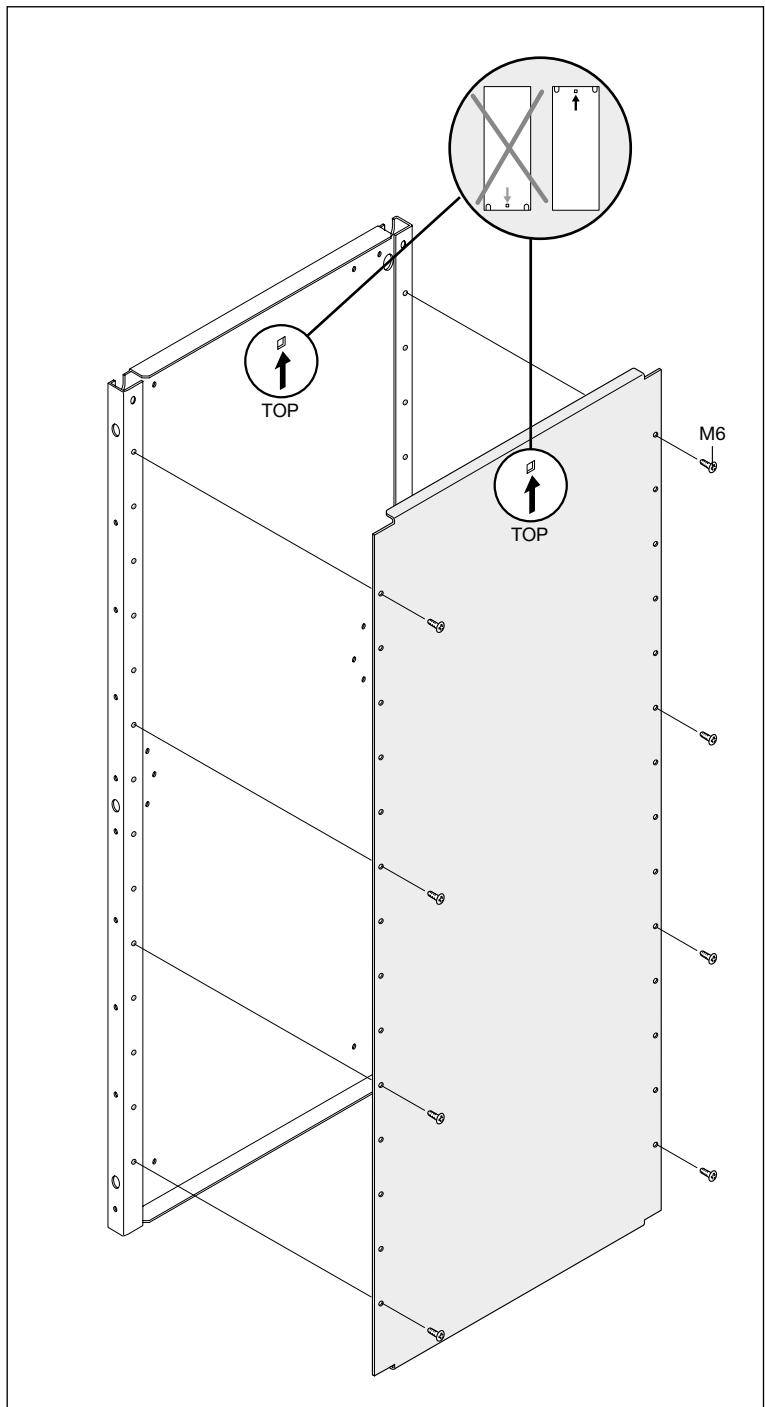
EA1060-EA1080-EA1010
EA1012-EA1016-EA1260
EA1280-EA1210-EA1213
EA1460-EA1480-EA1411
EA1412-EA1616-EA1619
EA1610-EA1612-EA1860
EA1880-EA1810-EA1812
EA2060-EA2080-EA2010
EA2013



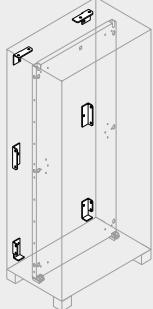
EA5060-EA5082-EA5010
EA5260-EA5280-EA5210
EA5461-EA5480-EA5413
EA5616-EA5620-EA5610
EA5861-EA5883-EA5811
EA5063-EA5083-EA5011



8xM6

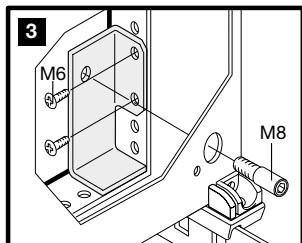
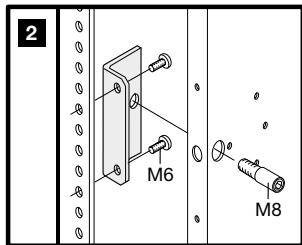
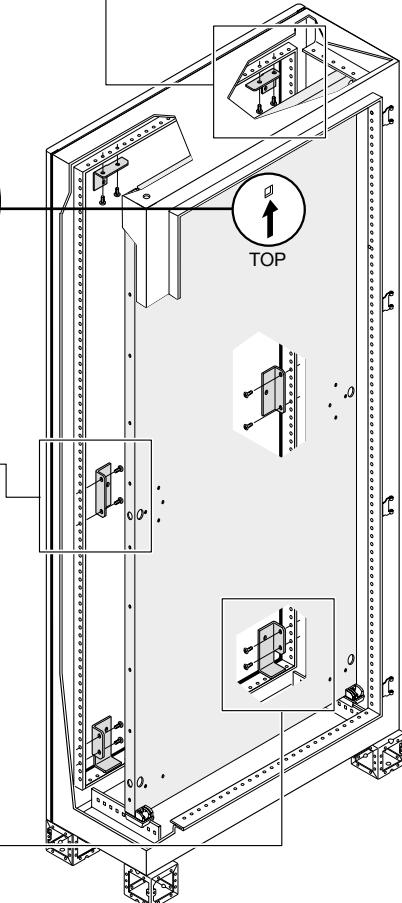
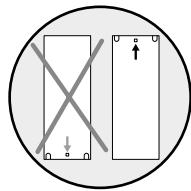
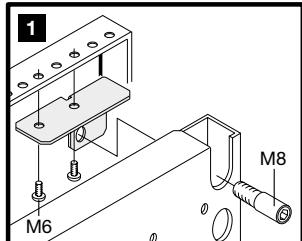


EA5100

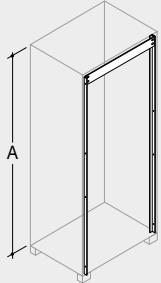


12xM6

6xM8



**TK1000-TK1200-TK1400
TK1600-TK1800-TK2000**



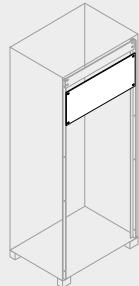
$A \leq 1200\text{mm}$



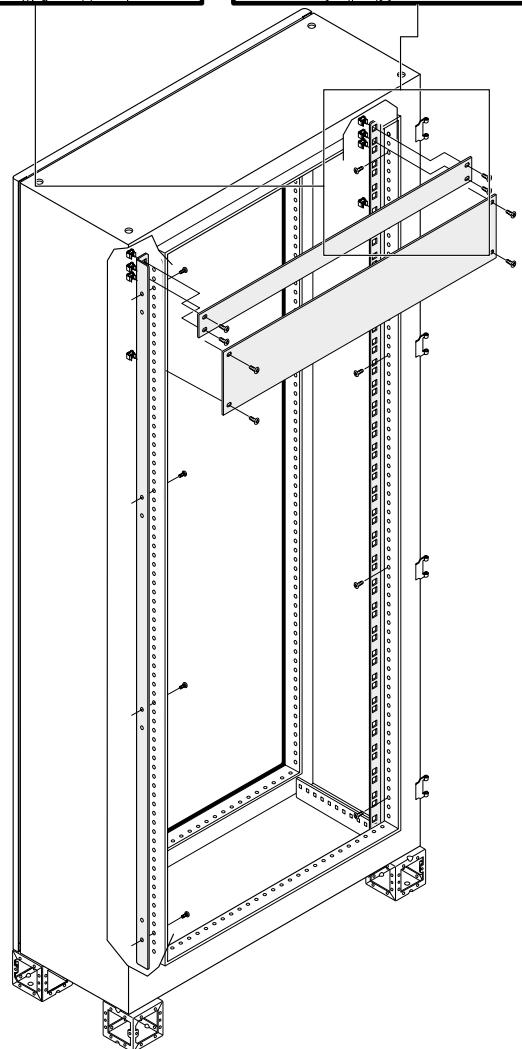
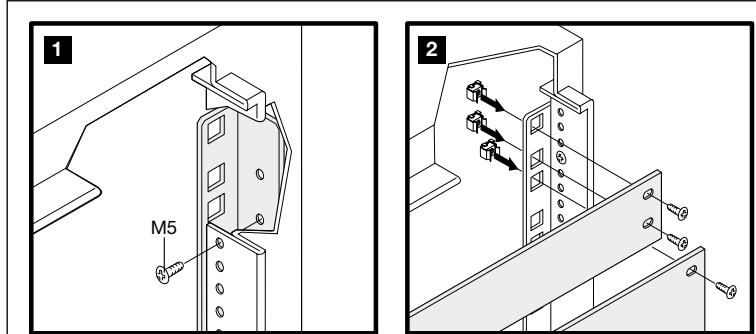
$A \geq 1600\text{mm}$



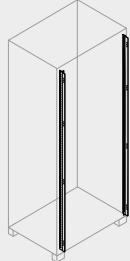
**EG1991-EG1902-EG1903
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EG1916-EG1917-EG1918
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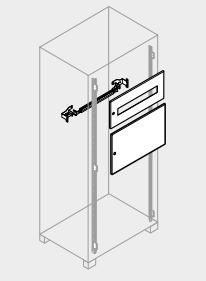
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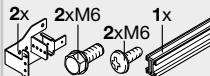
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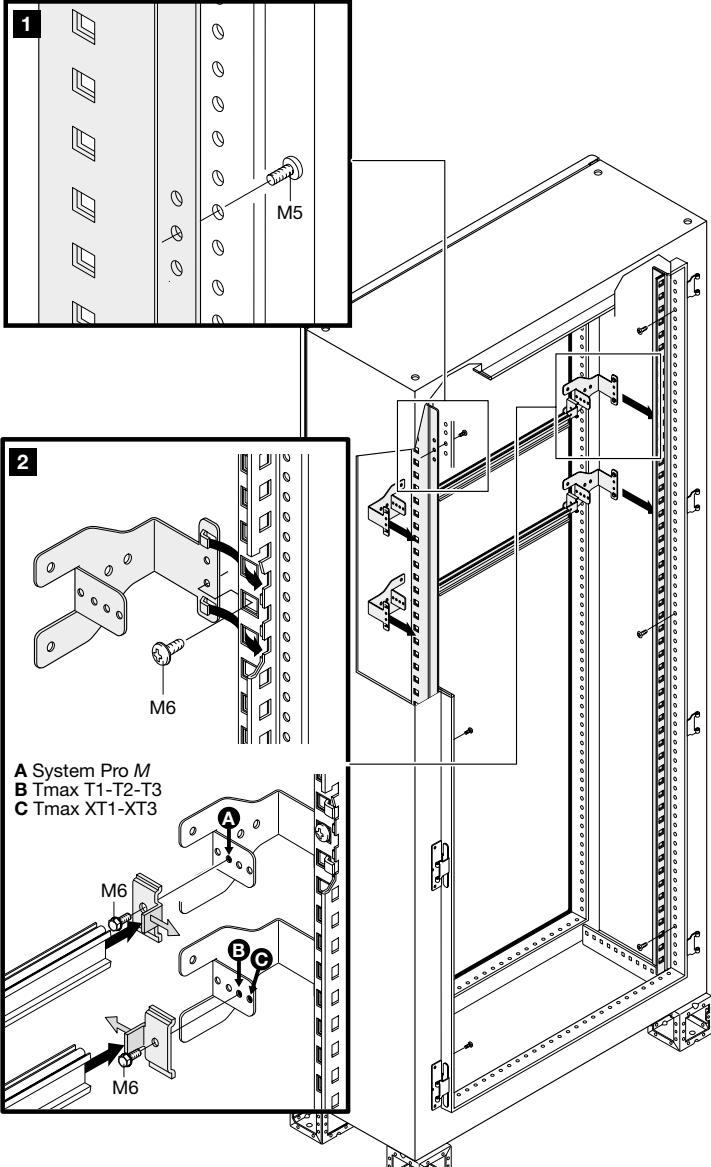
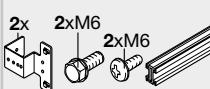
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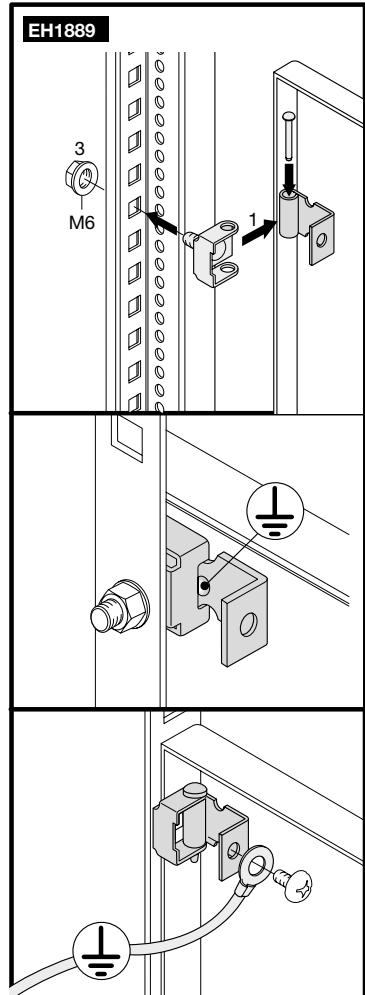
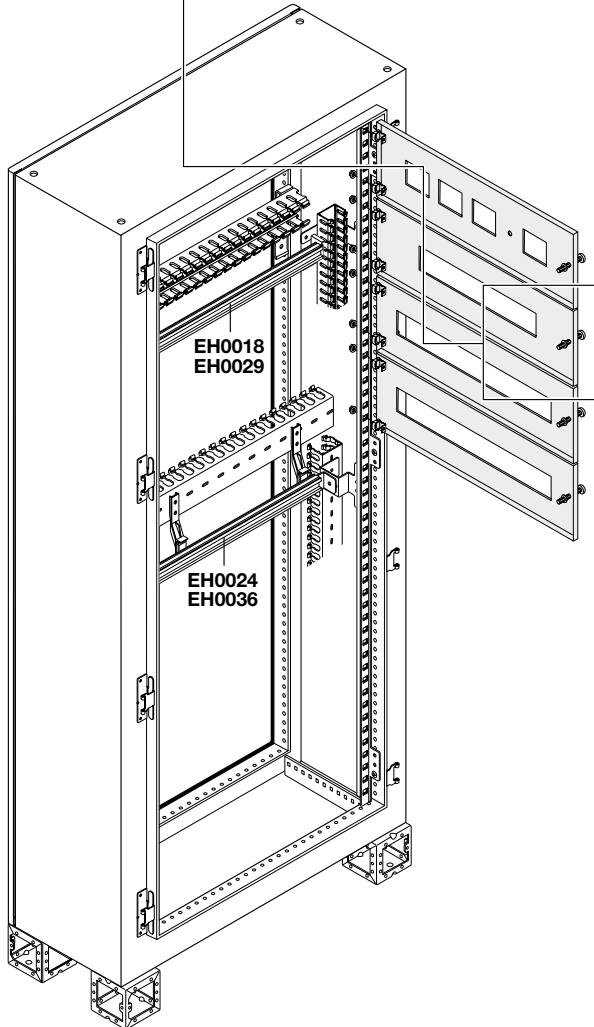
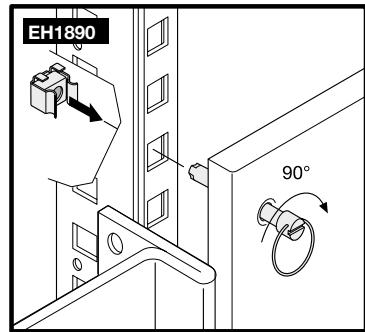
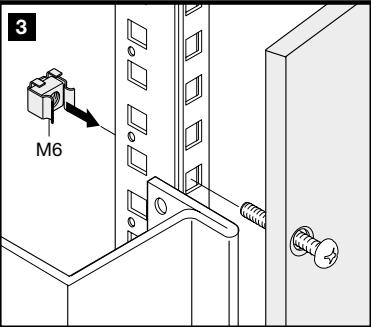


EH0018-EH0029

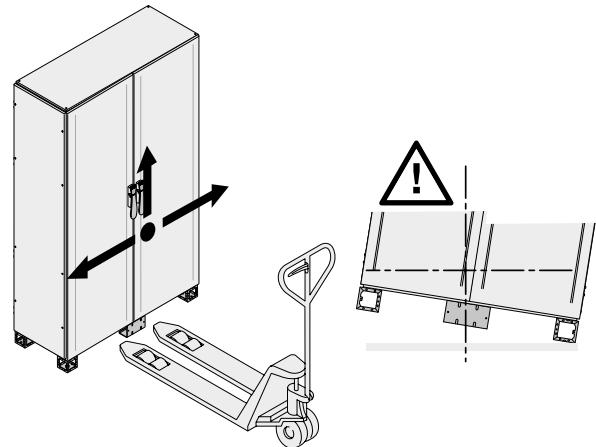
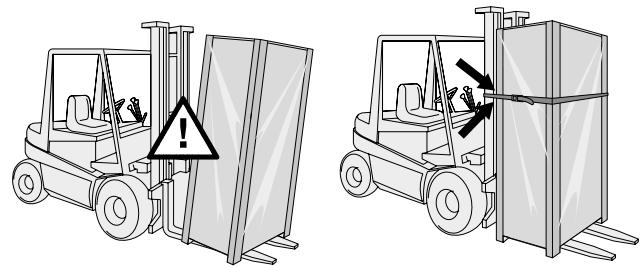
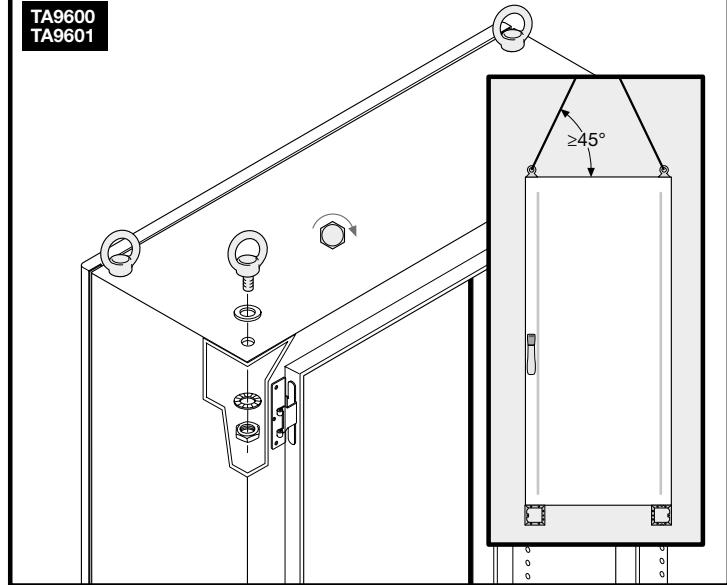


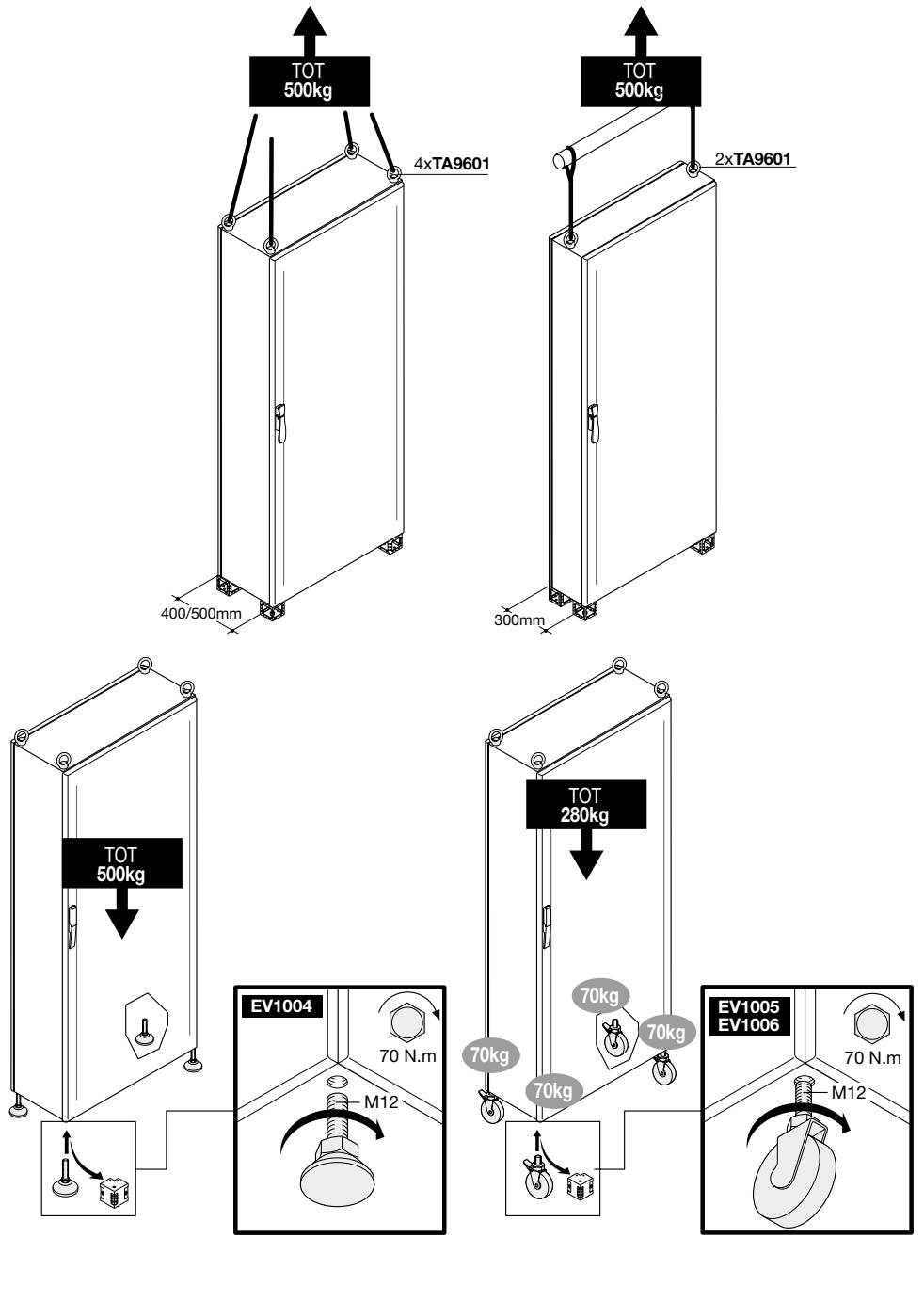
EH0024-EH0036





TA9600
TA9601





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EA1061	15	EA5260	20	EG1906	23
EA1080	20	EA5280	20	EG1907	23
EA1081	15	EA5413	20	EG1908	23
EA1210	20	EA5461	20	EG1909	23
EA1213	20	EA5480	20	EG1910	23
EA1260	20	EA5610	20	EG1911	23
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EA1411	20	EA5620	20	EG1913	23
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EA1460	20	EA5861	20	EG1915	23
EA1480	20	EA5883	20	EG1916	23
EA1610	20	EA6061	15	EG1917	23
EA1612	20	EA6081	15	EG1918	23
EA1616	20	EA8061	15	EG1920	23
EA1619	20	EA8081	15	EG1991	23
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EA1860	20	EB0800	14	EH0024	24
EA1880	20	EB0880	14	EH0029	24
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EA2060	20	EB1020	14	EH0582K	24
EA2062	15	EB1200	14	EH1062K	24
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TE2012K	16	TP6030K	11	ZN1200	9
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TK1000	23	TT2008	16		
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