

ABB

System pro E energy L IP43



Messa a terra
Earthed
A tierra (clase 1)
Mise à la terre
Заземление
Geerdet



Doppio isolamento
Double Insulated
Doble aislamiento
Classe 2
двойной изоляция
Schutzisoliert



Correcto
Correct
Correcto
Correcte
Верно
Richtig



Sbagliato
Wrong
Falso
Faux
Неверно
Falsch



Riferimento
Reference
Atención
Référence
Ссылка
Hinweis



Riciclabile
Recycling
Reciclable
Recyclage
Переработка
Recycling

Original Instruction
8600311687P

Pericoli di morte causa corrente elettrica!
Solo persone esperte o instruite sono autorizzate ad eseguire le operazioni riportate di seguito.



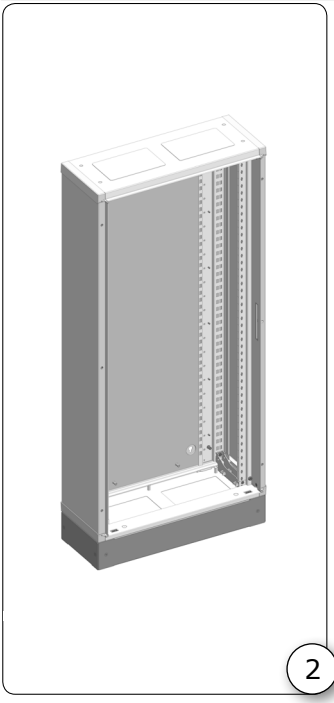
Electric Voltage! Danger to life!
Only skilled or instructed persons are allowed to carry out the following operations.

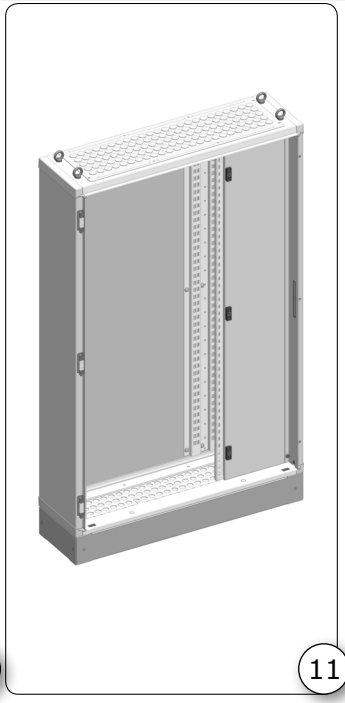
Corriente electrica! Peligro de muerte!
El trabajo a continuación descrito debe ser realizado por personas cualificadas y advertidas.

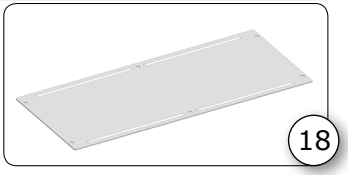
Risque electrique! Danger de mort!
Seuls les personnes habilitées et compétentes sont autorisées à exécuter les travaux ci-après.

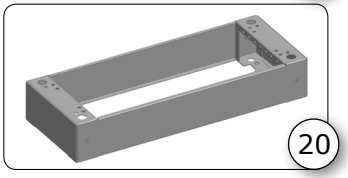
Высокое напряжение! Опасно для жизни!
Только квалифицированные или обученные лица могут выполнять следующие операции.

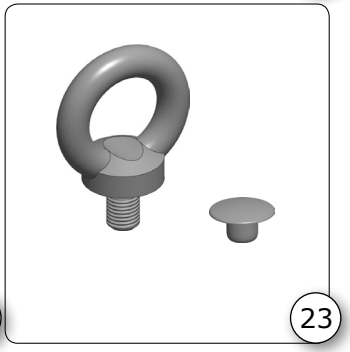
Lebensgefahr durch elektrischen Strom!
Nur Elektrofachkräfte und elektrotechnisch unterwiesene Personen dürfen die folgenden Abeiten ausführen.

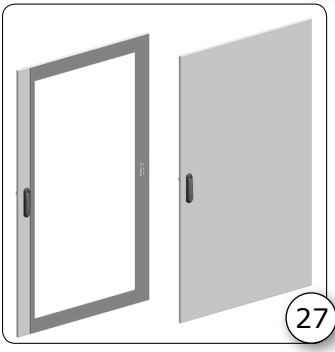

2

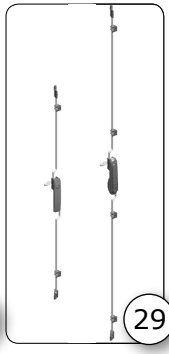

11

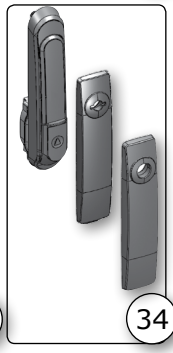

18

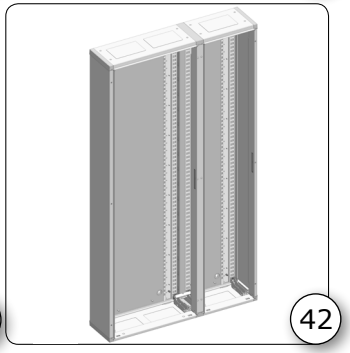

20

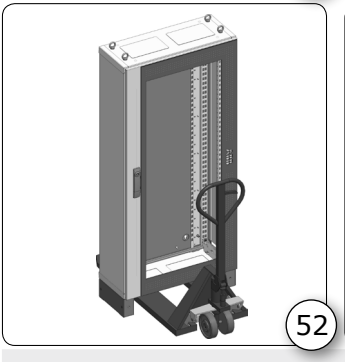

23

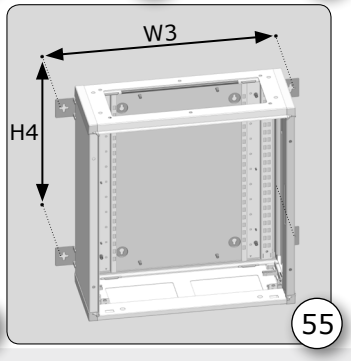

27

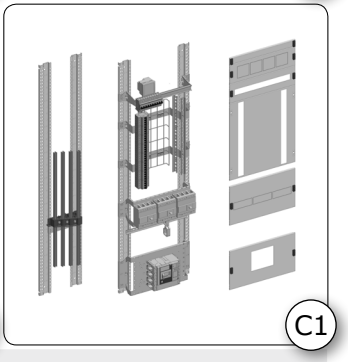

29


34

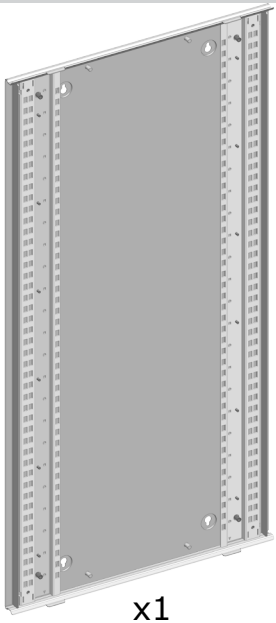

42


52


W3
H4
55

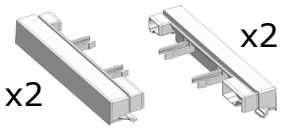

C1

Q843B...


x1


x2


x2

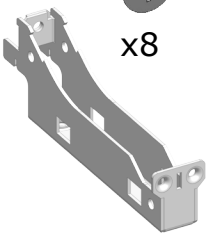

x2 x2

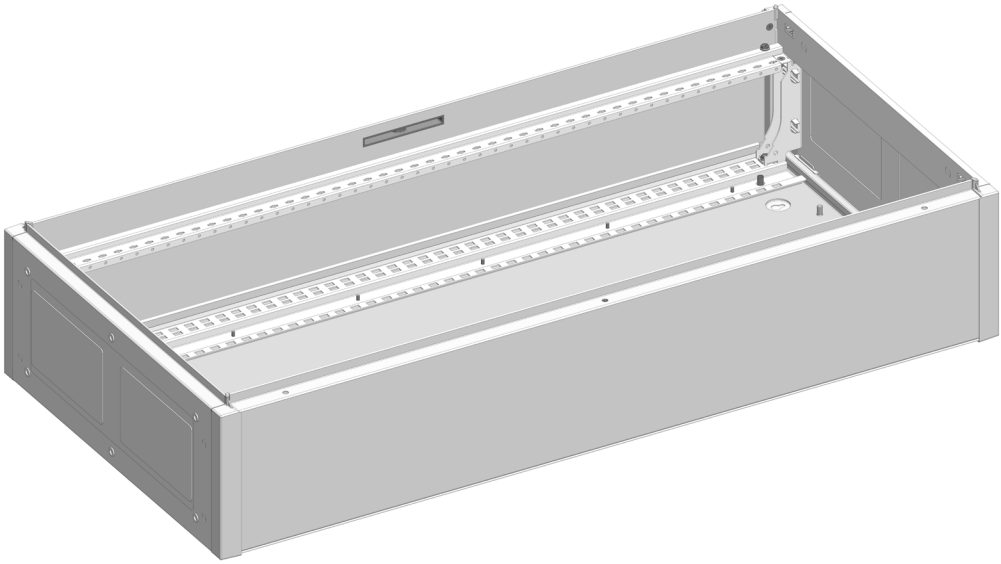

x2/x4

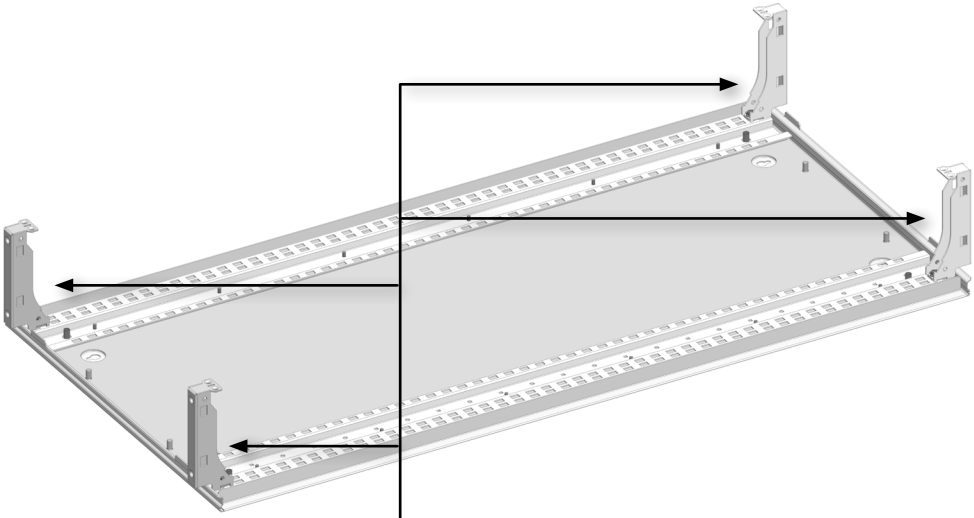

x2

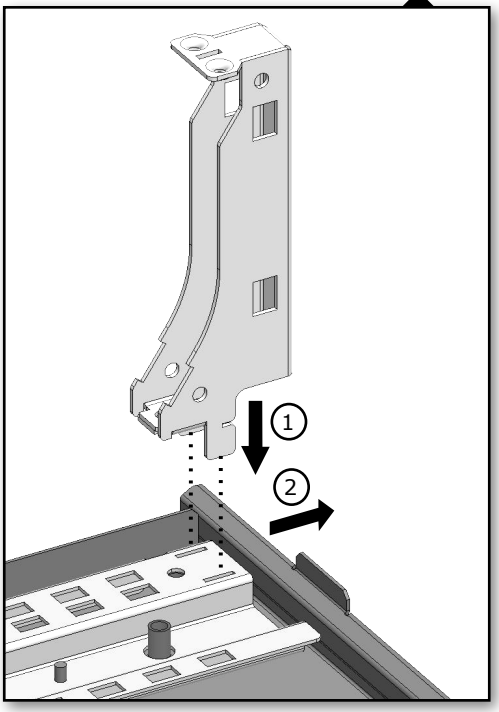

x8

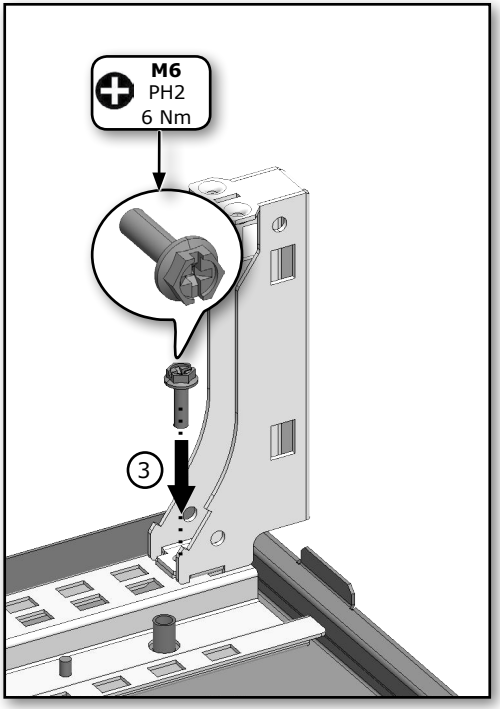

x8


x4

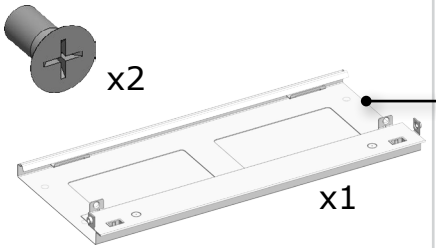


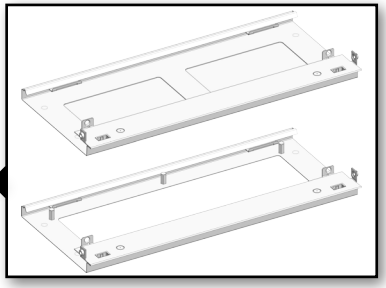


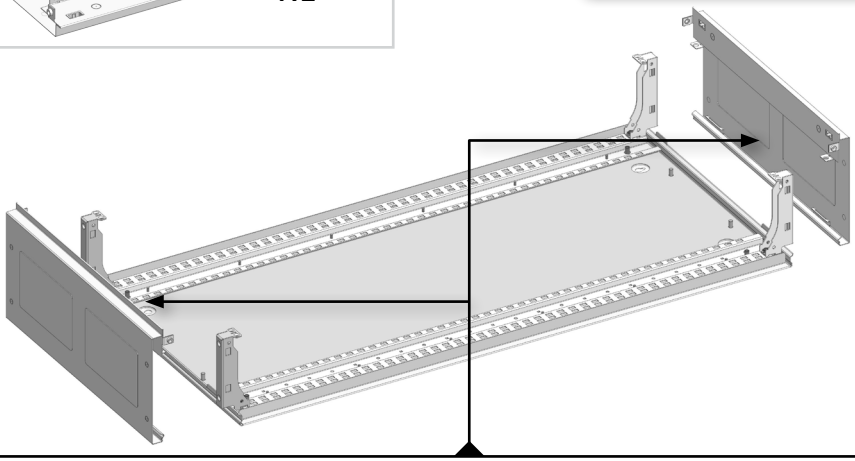

1
2

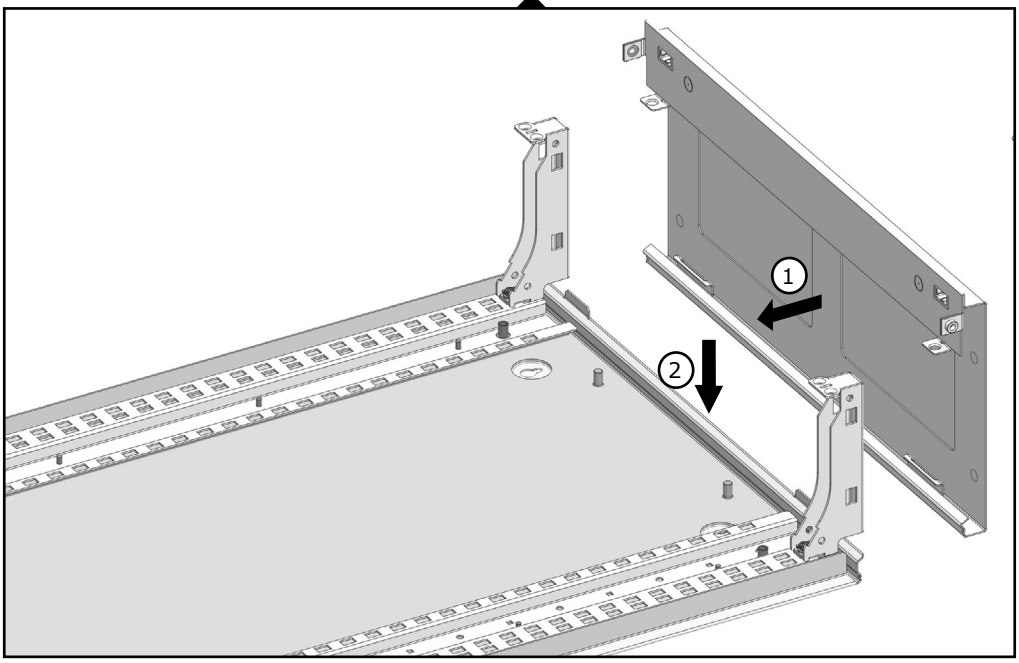

M6
PH2
6 Nm
3

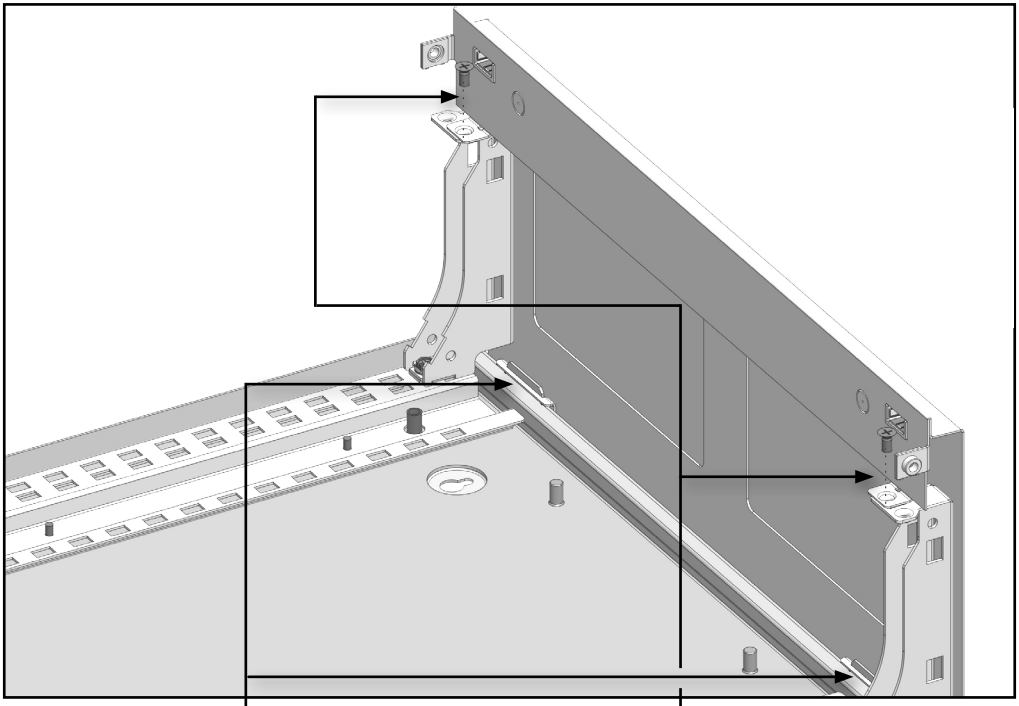
Q843T... x2

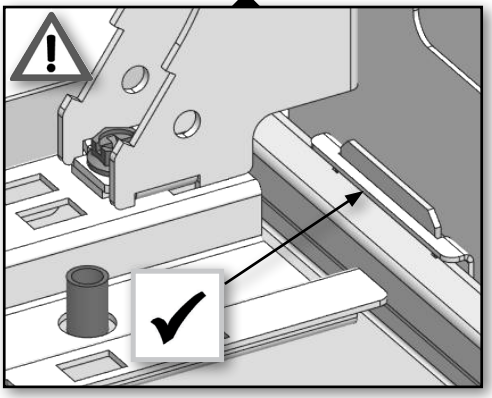


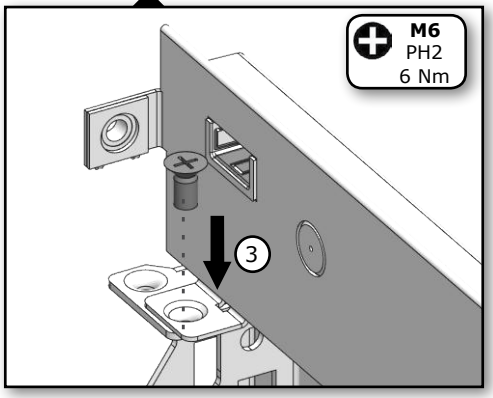


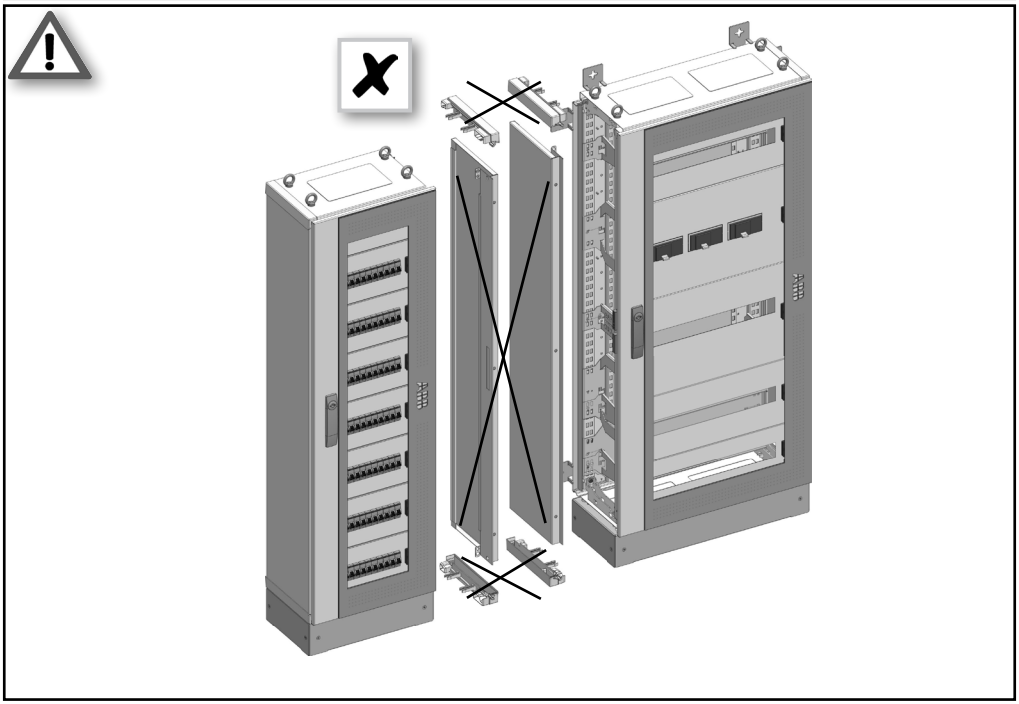


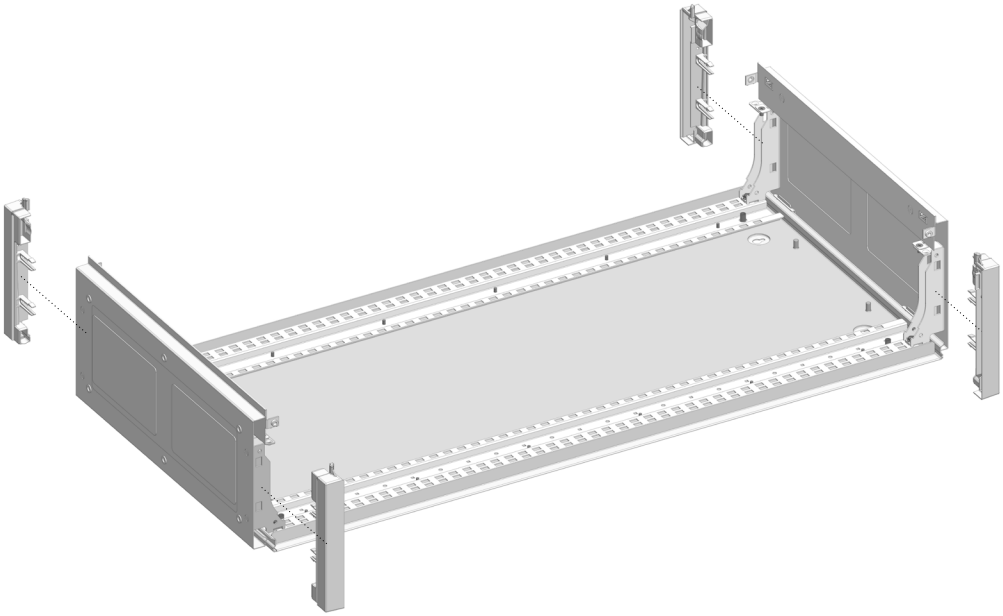


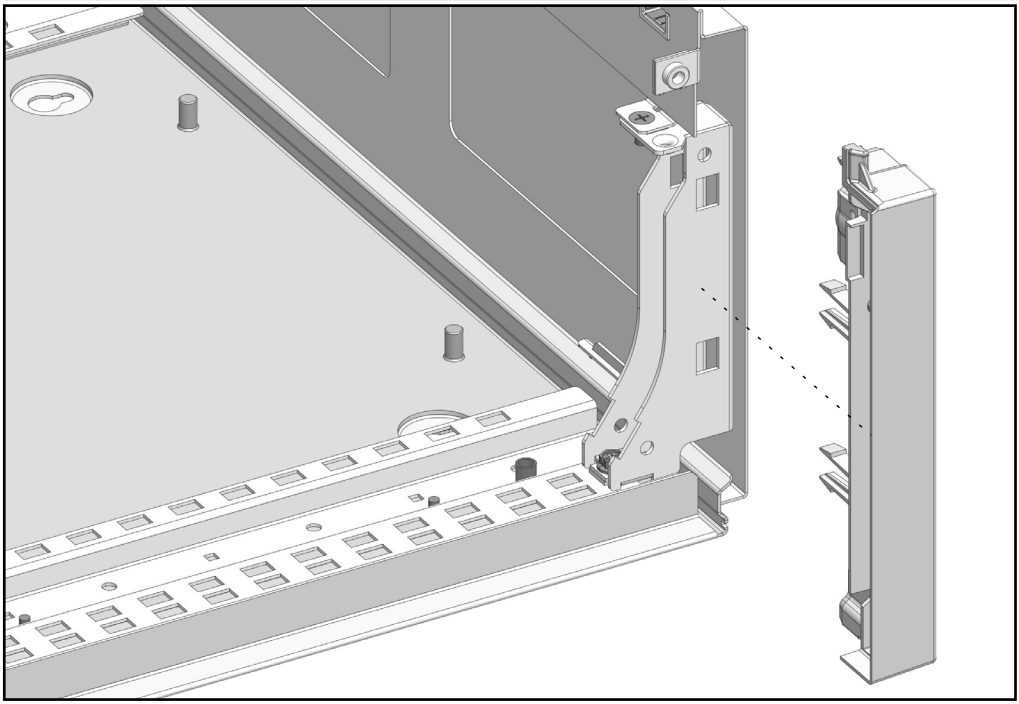


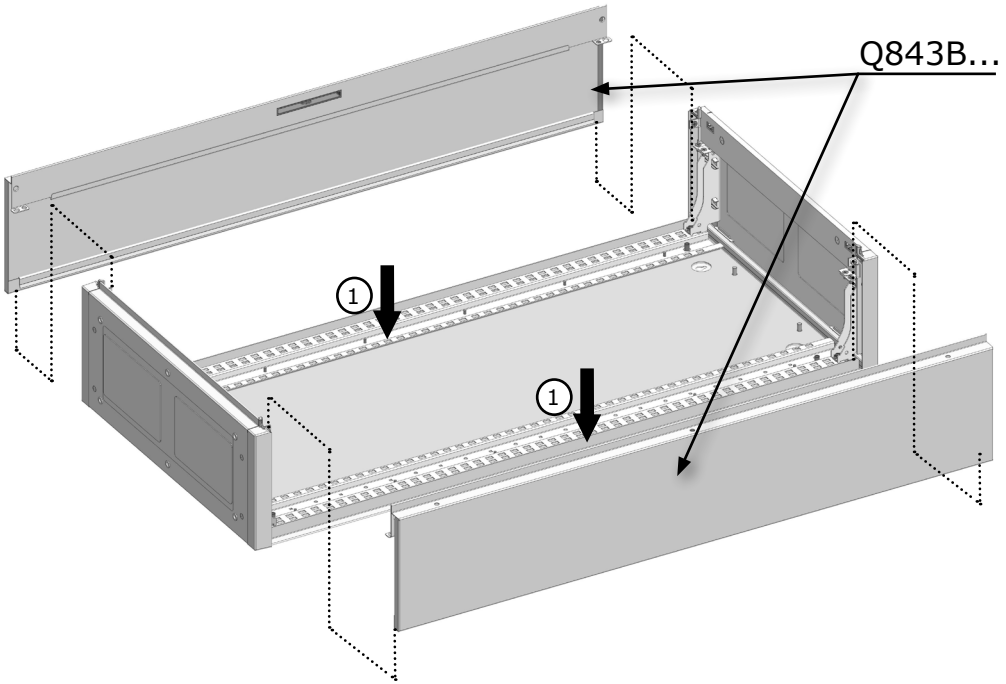


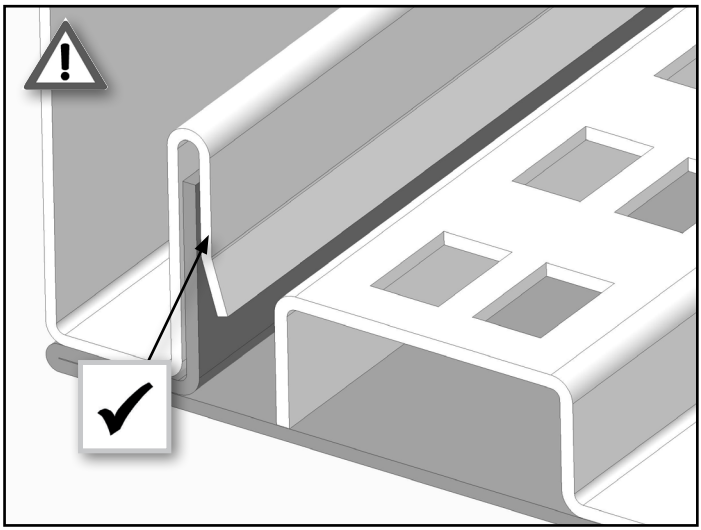

M6
PH2
6 Nm
3

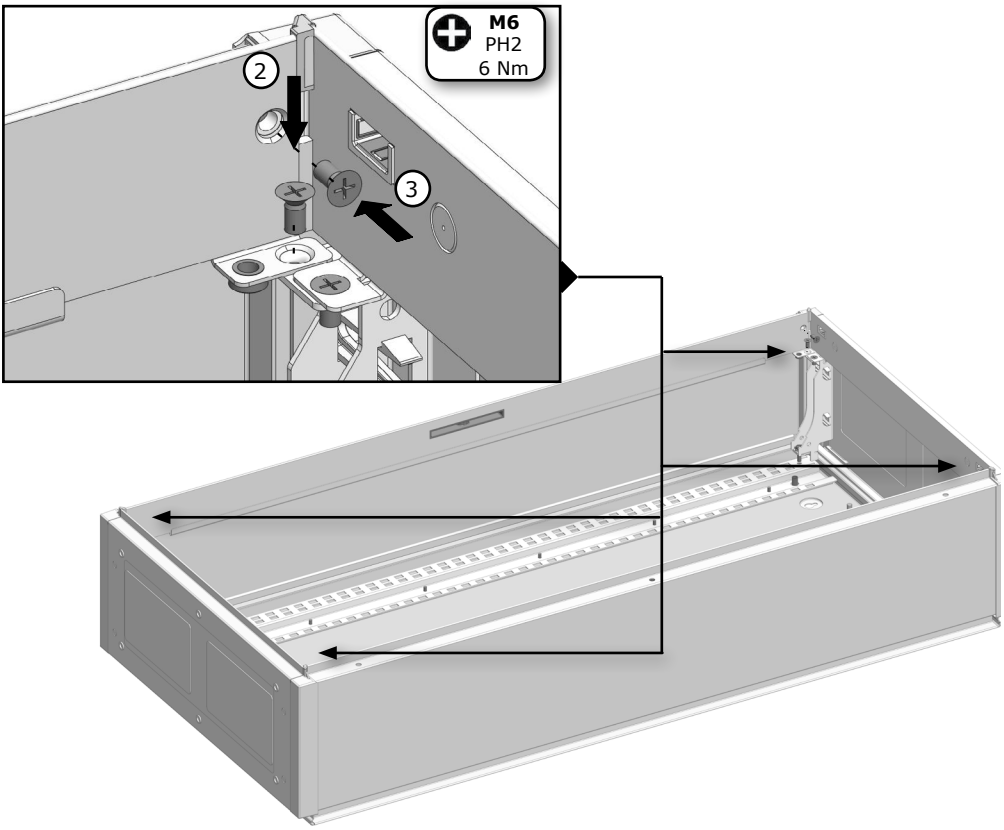


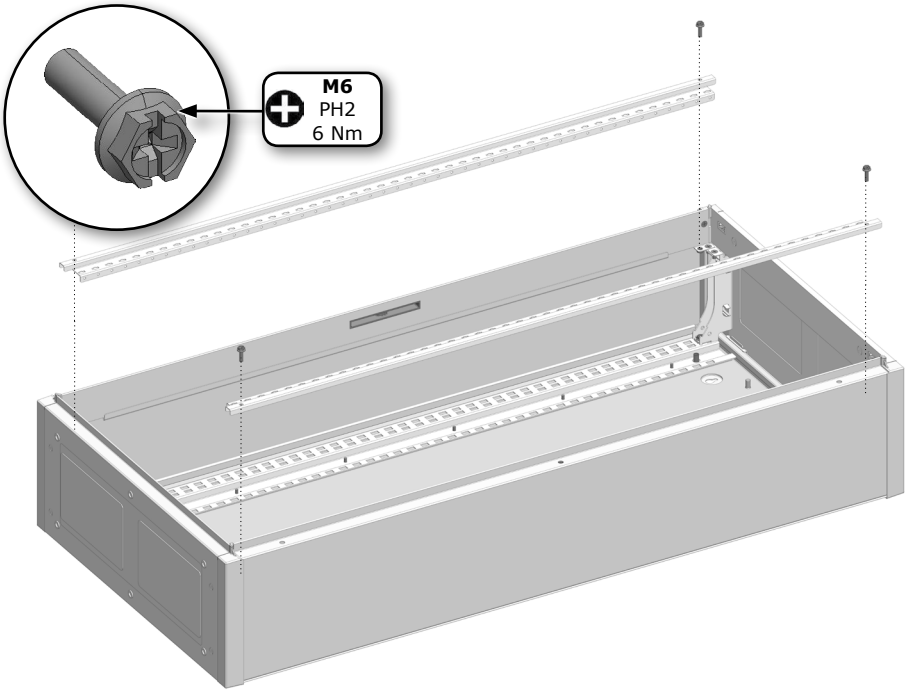


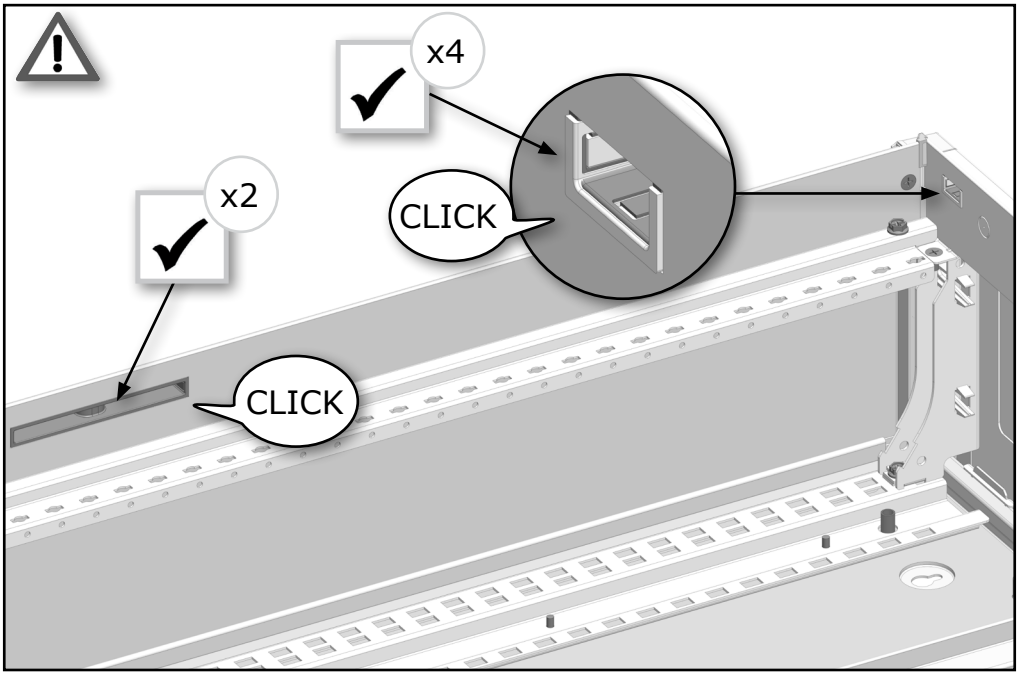


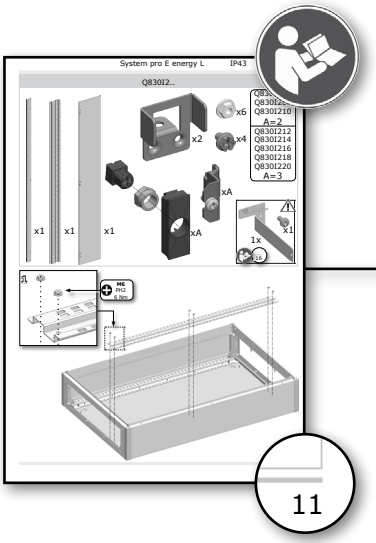

Q843B...
1
1

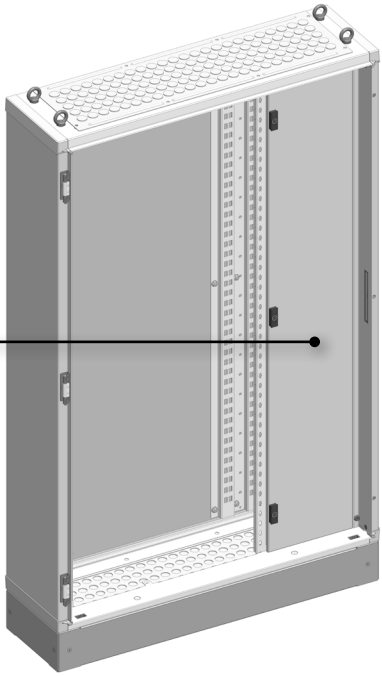


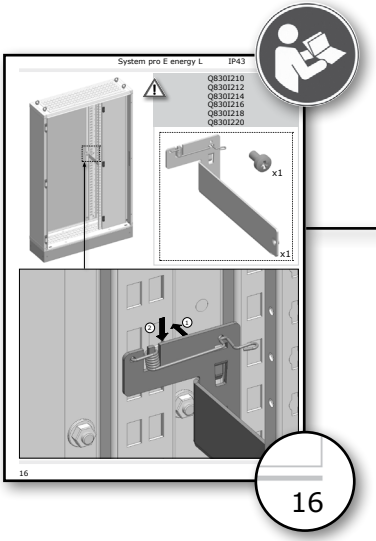

M6
PH2
6 Nm
2
3

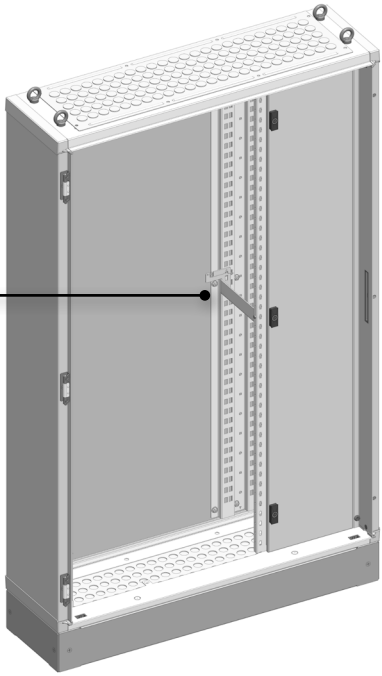

M6
PH2
6 Nm


x4
CLICK
x2
CLICK

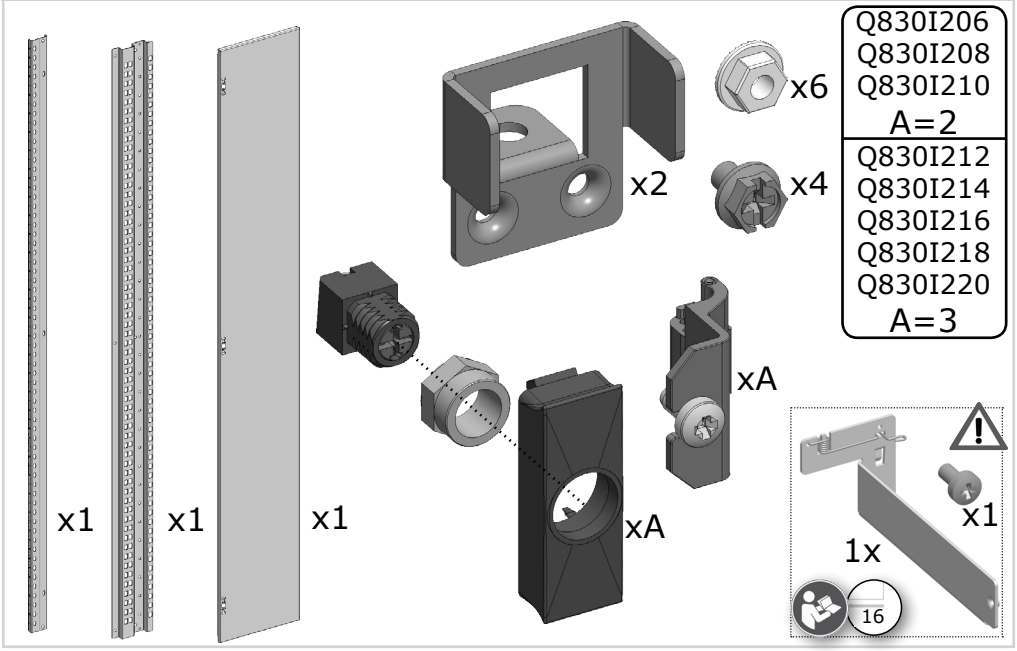

System pro E energy L IP43
Q830I2..
Q830I210
A=2
Q830I212
Q830I214
Q830I216
Q830I218
Q830I220
A=3
x6
x2
x4
xA
x1
x1
x1
xA
1x
x1
11




System pro E energy L IP43
Q830I210
Q830I212
Q830I214
Q830I216
Q830I218
Q830I220
x1
x1
16
16

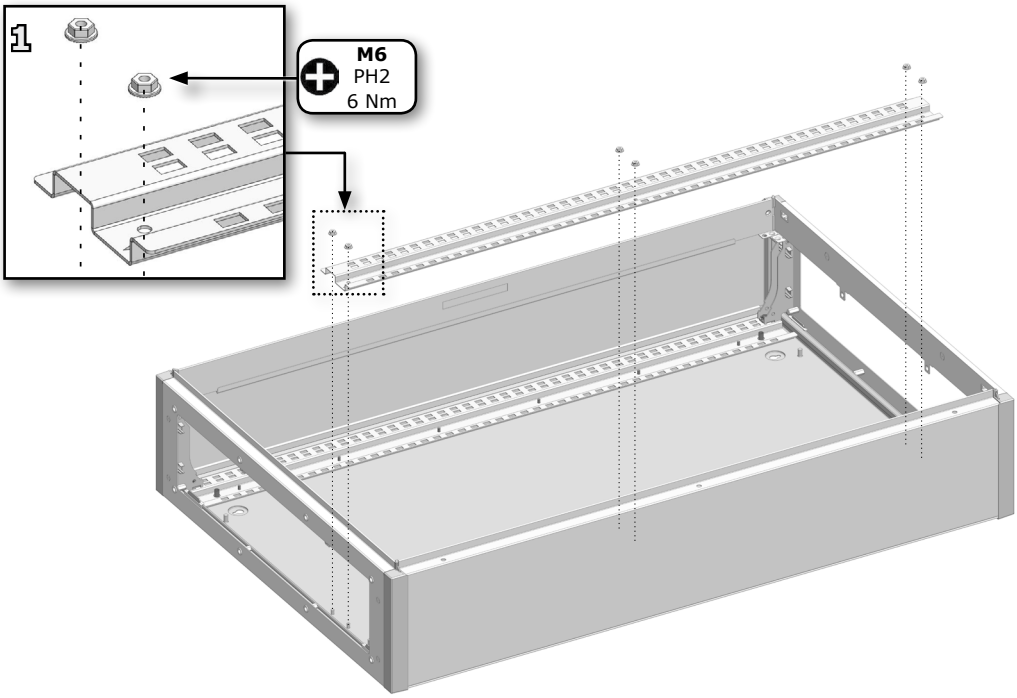


Q830I2..

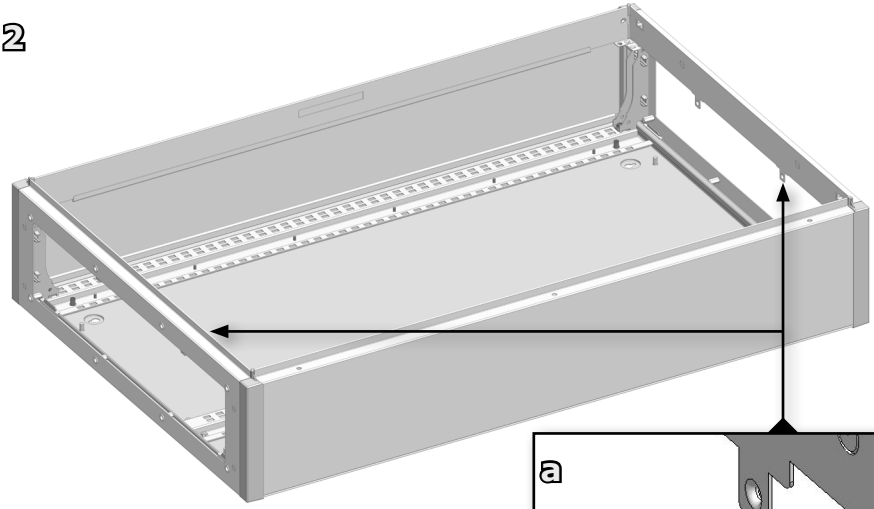


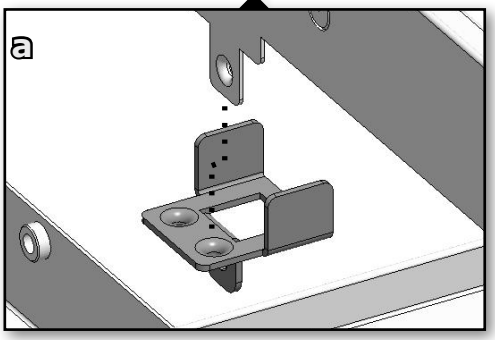
Q830I206
Q830I208
Q830I210
A=2

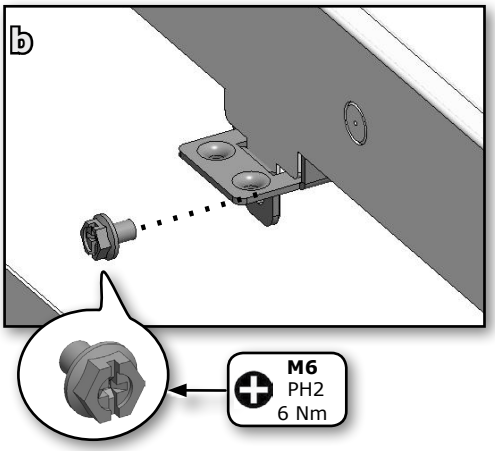
Q830I212
Q830I214
Q830I216
Q830I218
Q830I220
A=3

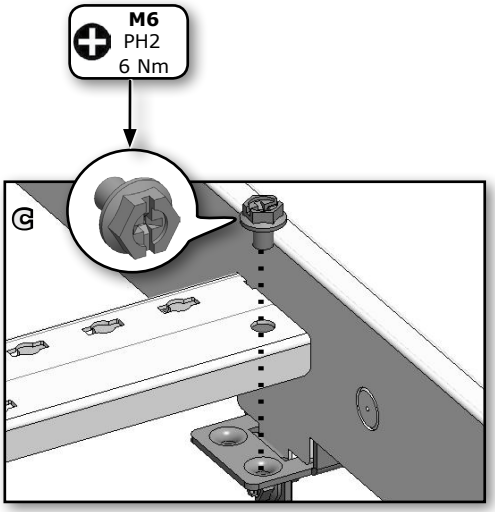


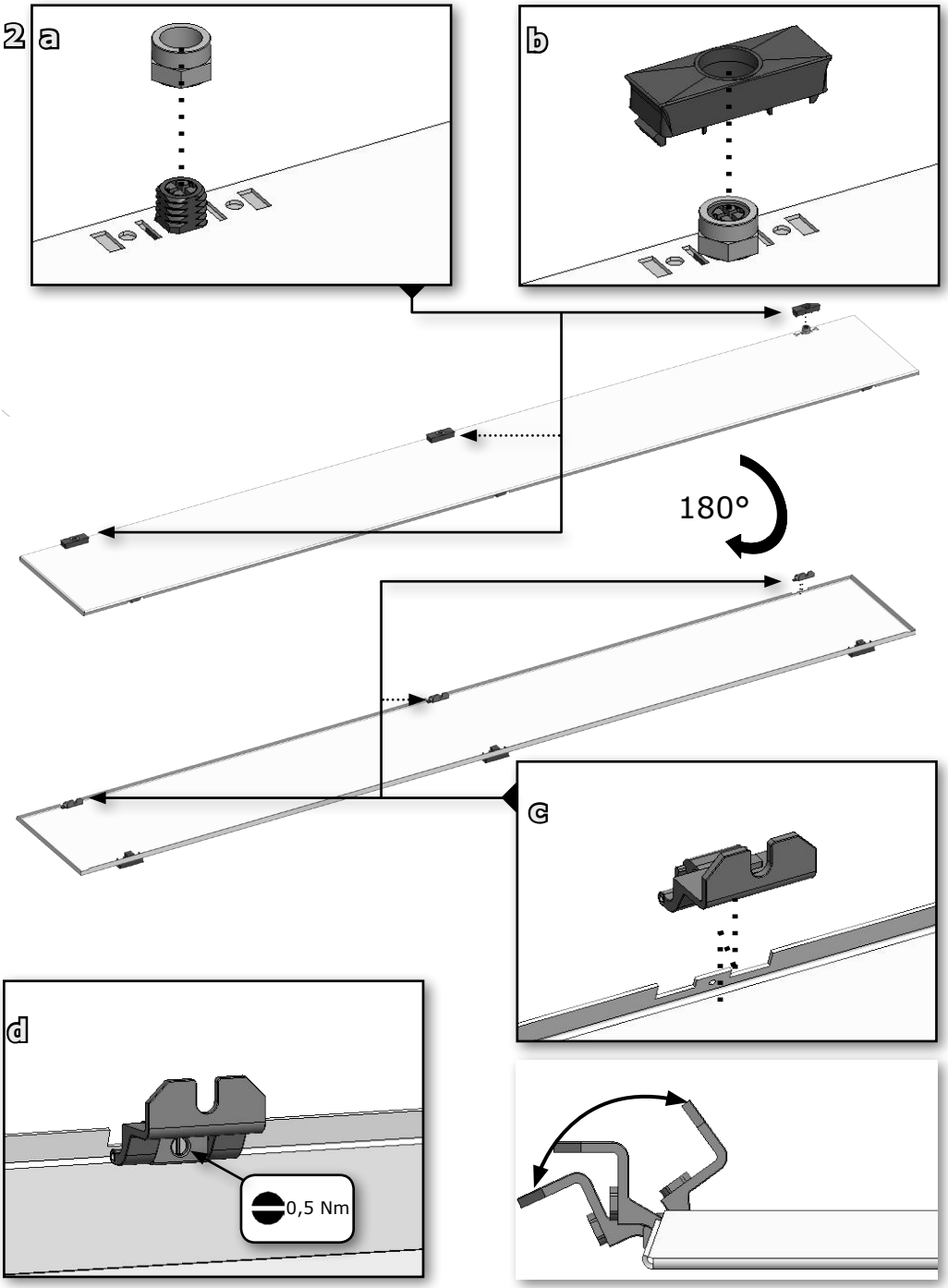
2

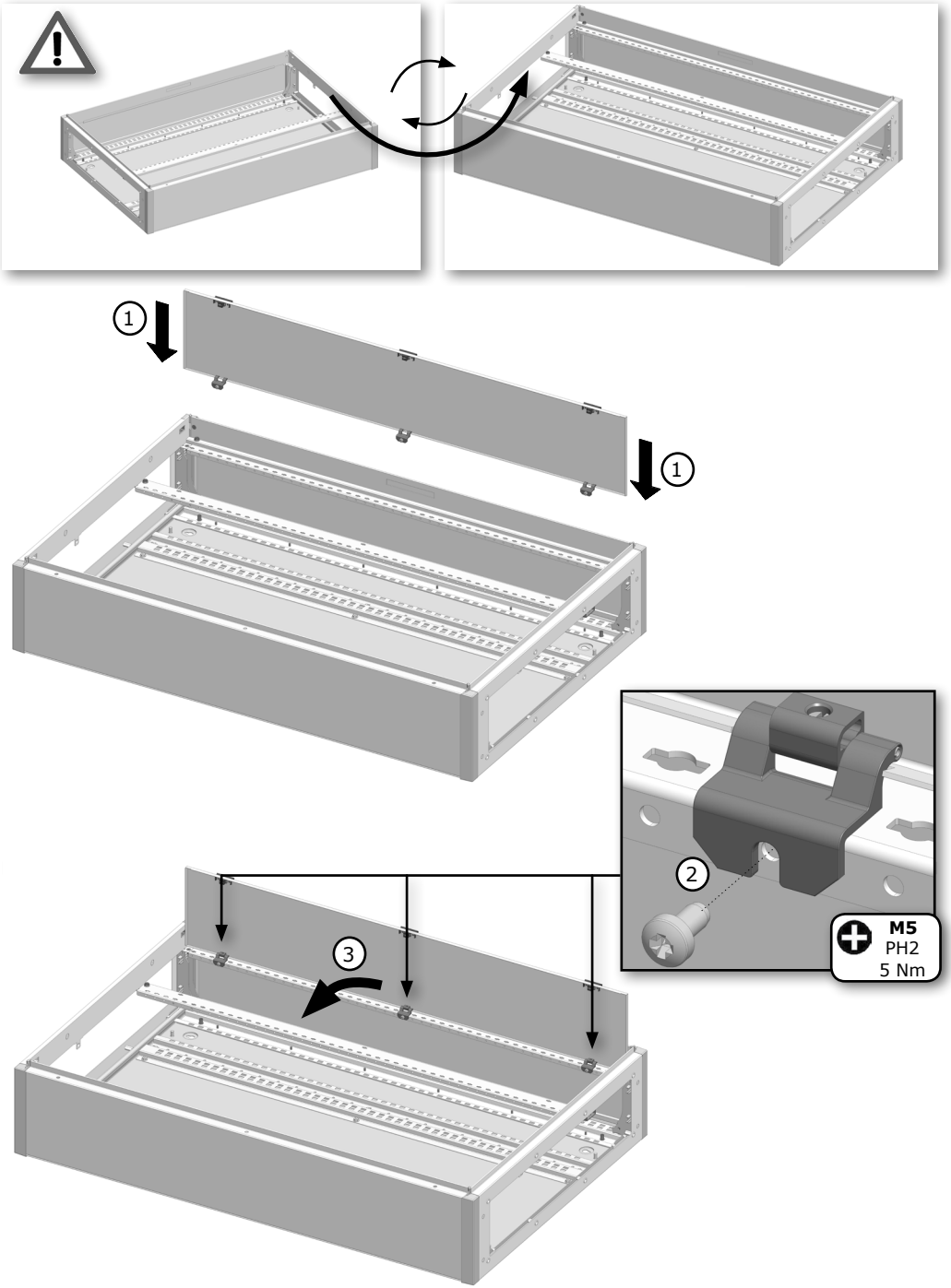


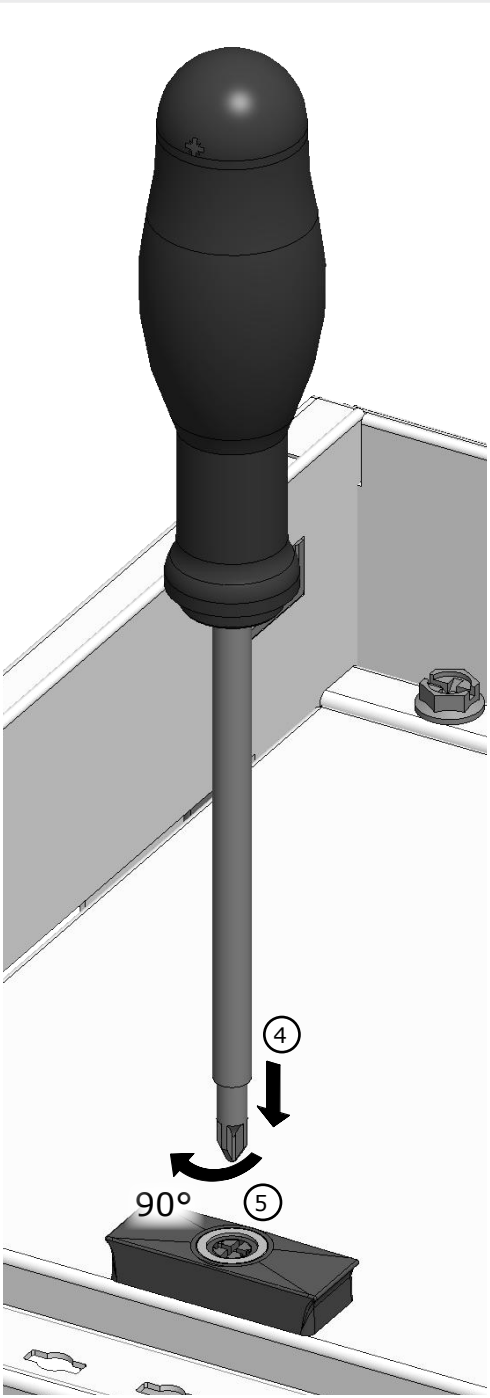


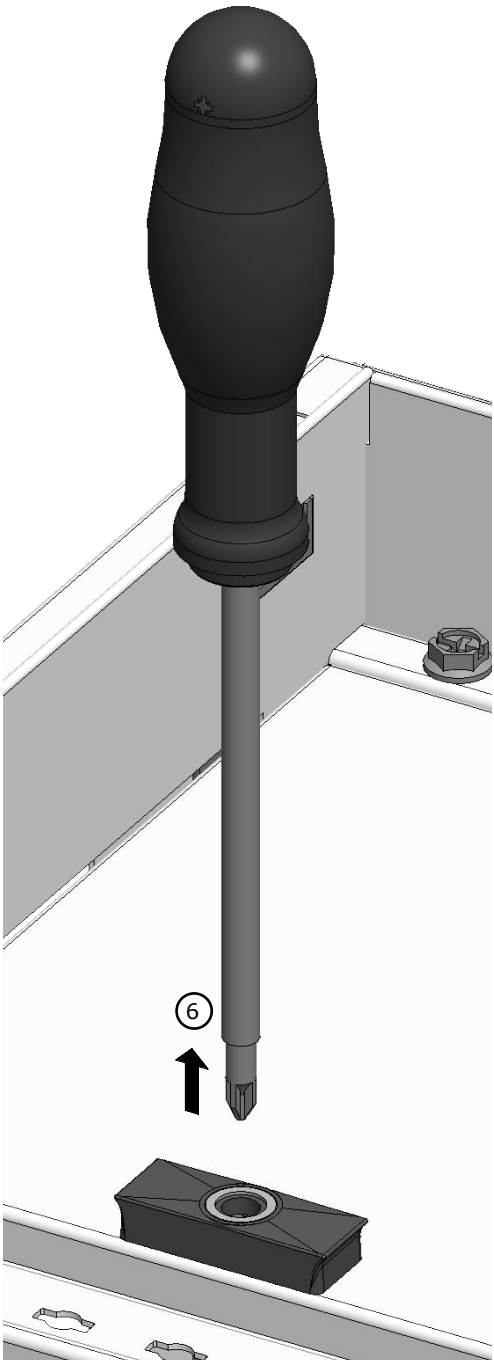


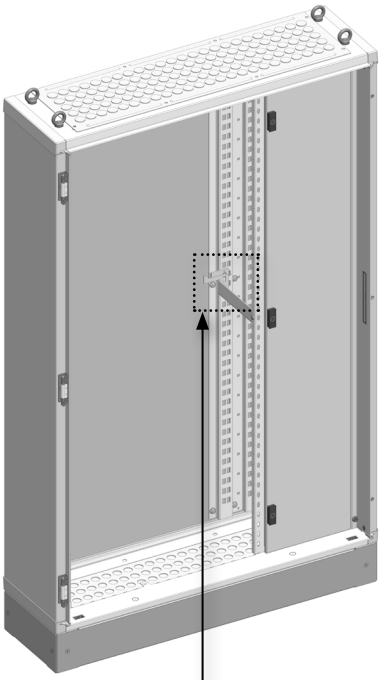



2
a
b
180°
c
d
0,5 Nm

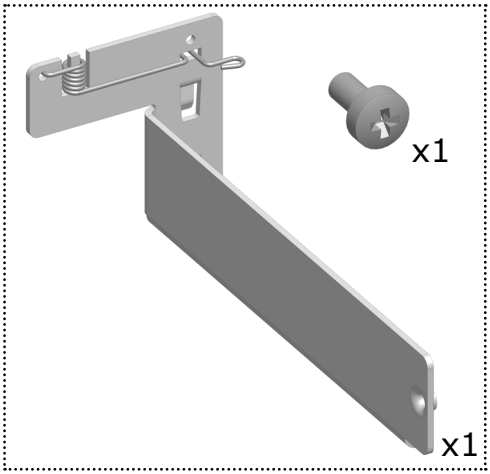

1
1
2
M5
PH2
5 Nm
3

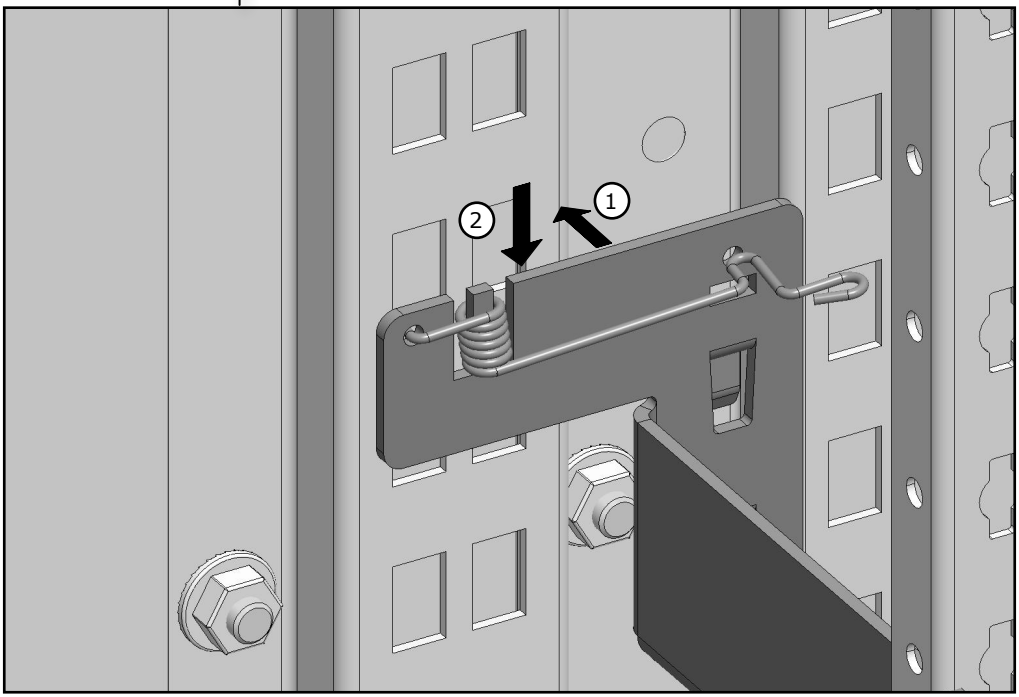

4
90°
5

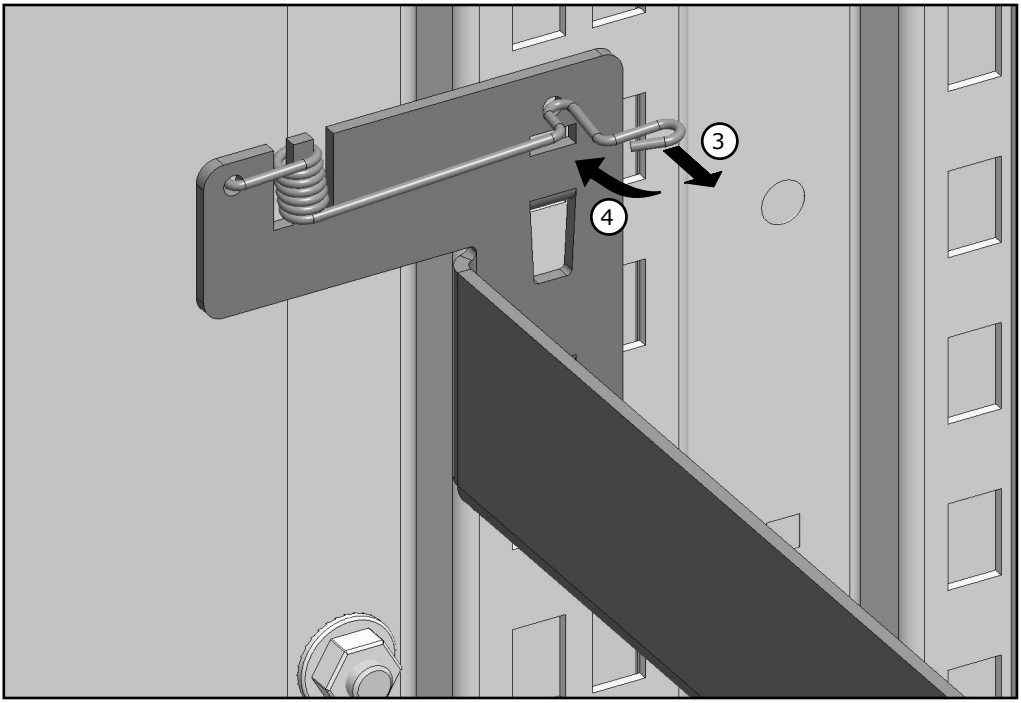

6

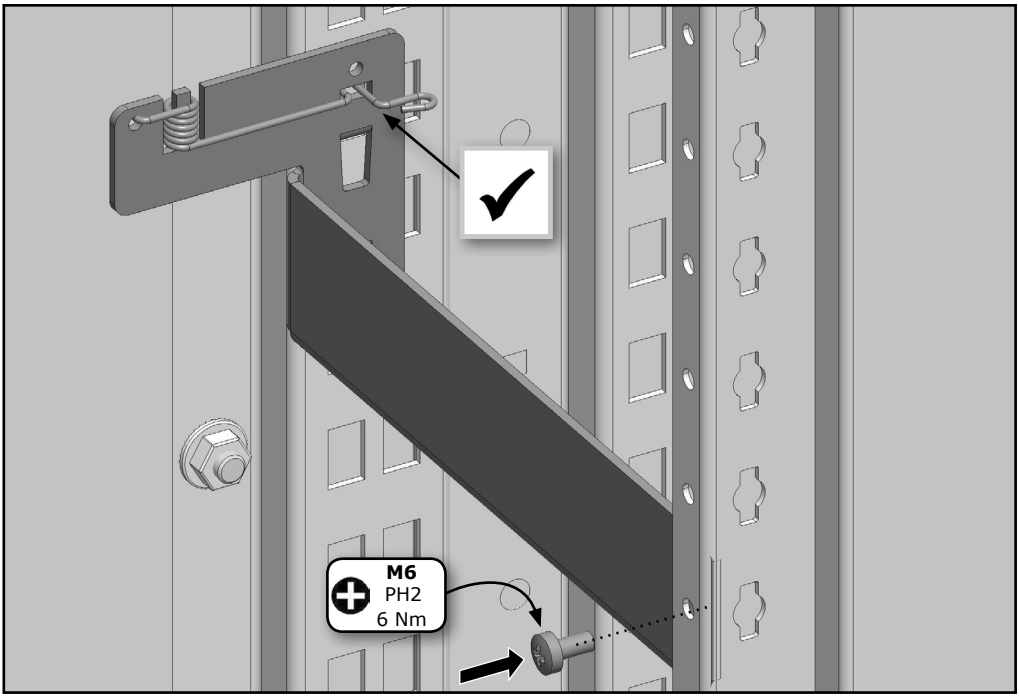


Q830I210
Q830I212
Q830I214
Q830I216
Q830I218
Q830I220

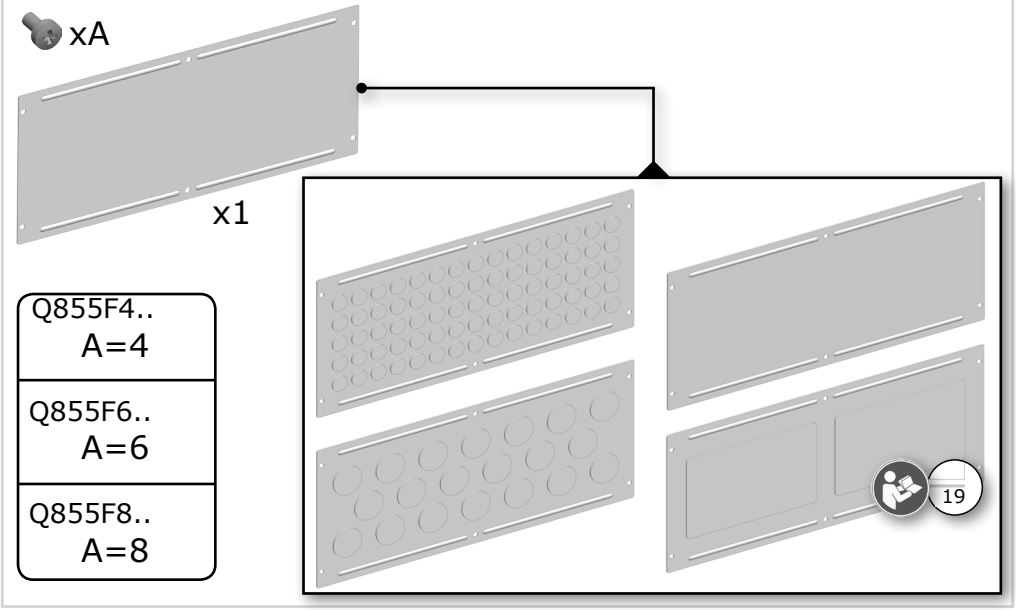


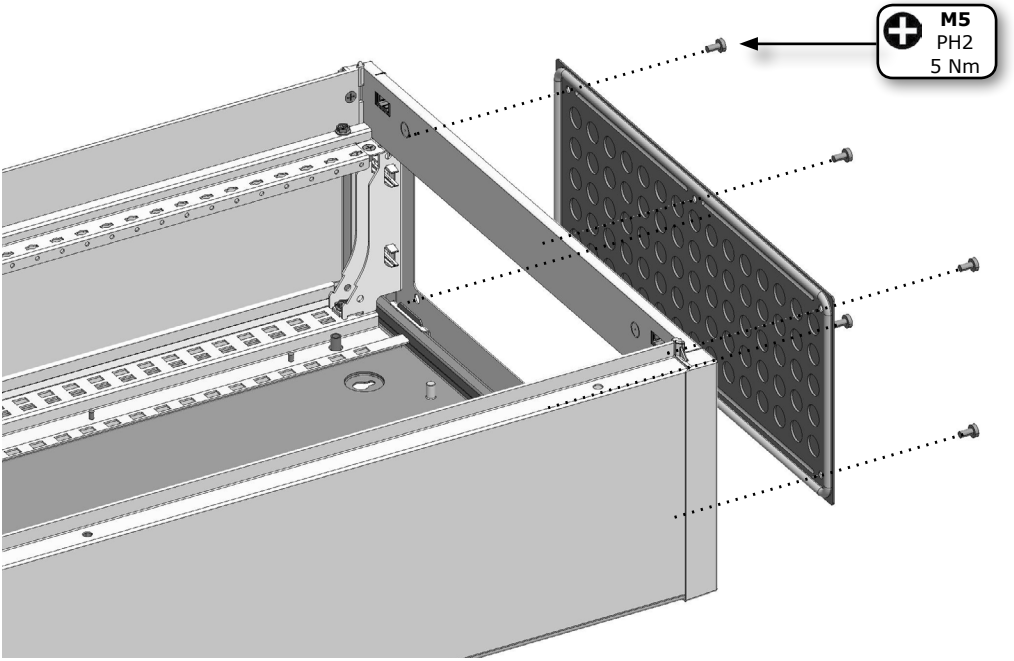


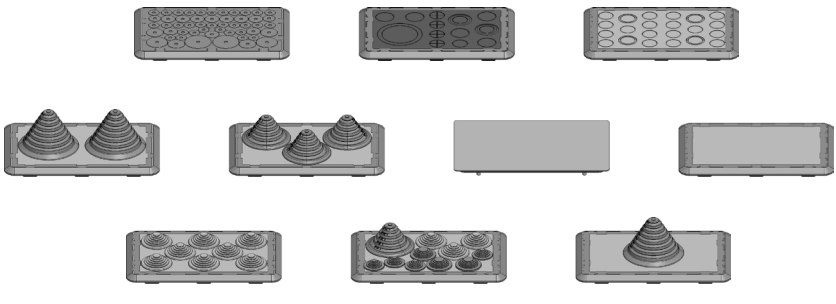

3
4


M6
PH2
6 Nm

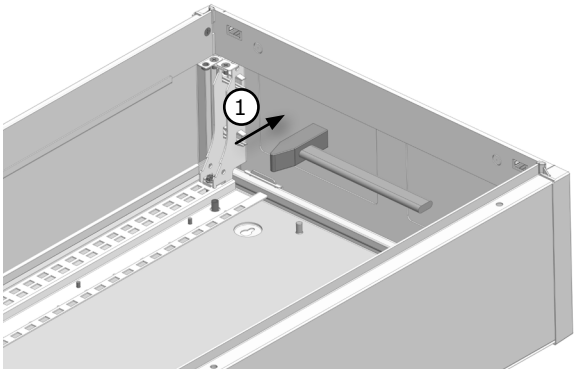
Q855F...

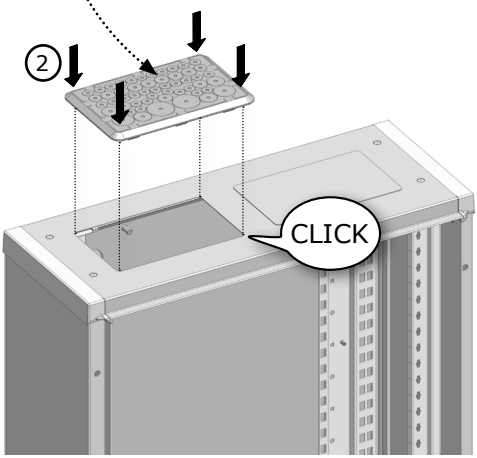


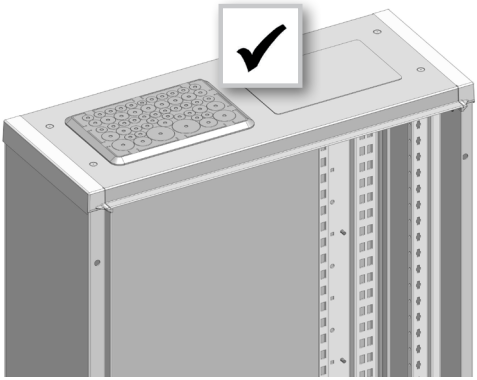




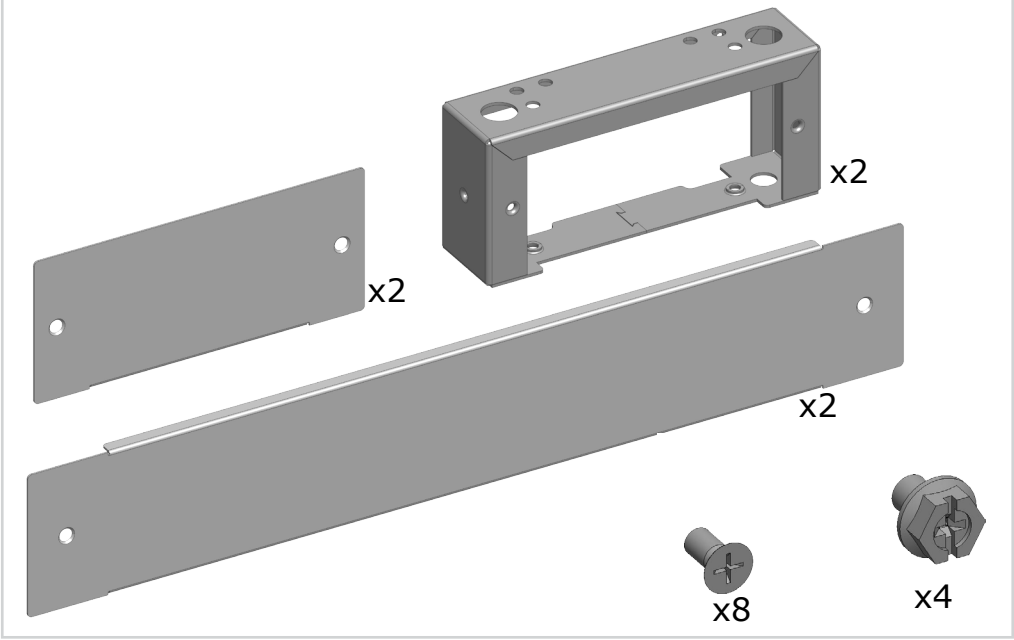
TZ101
TZ102
TZ103
TZ104
TZ105
TZ106
TZ107
TZ110
TZ111
TZ112

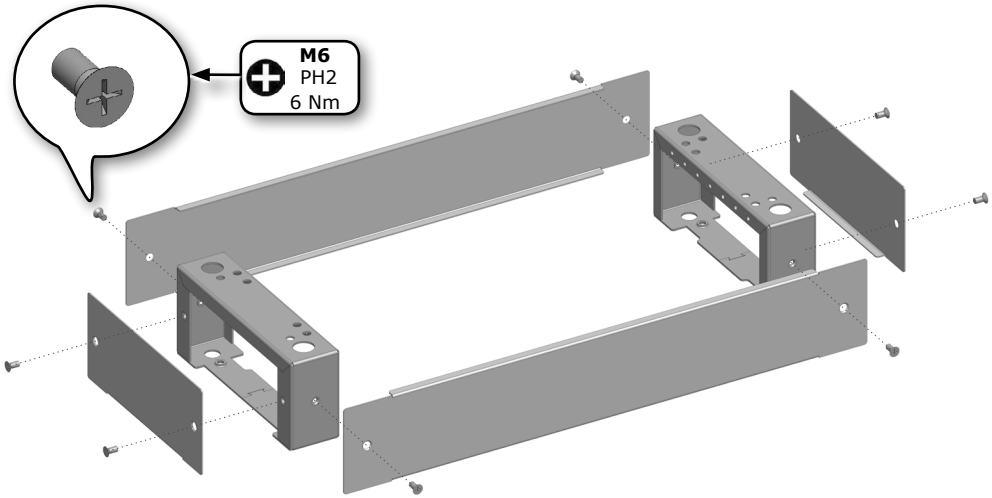


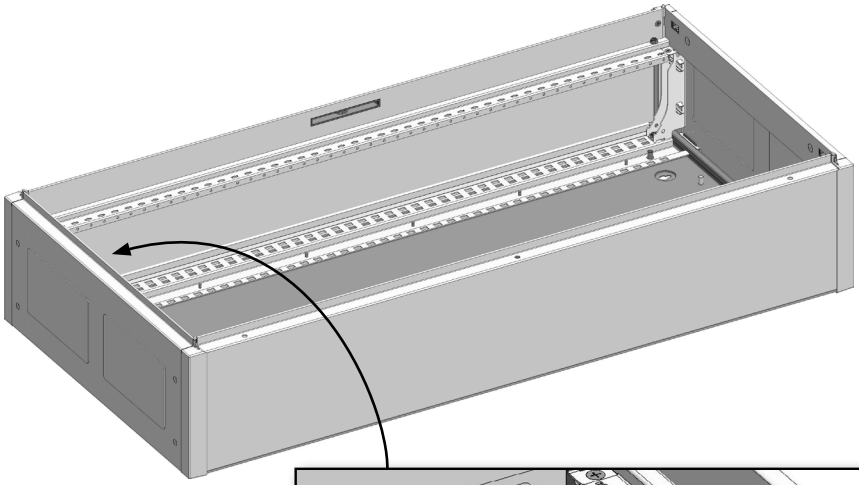


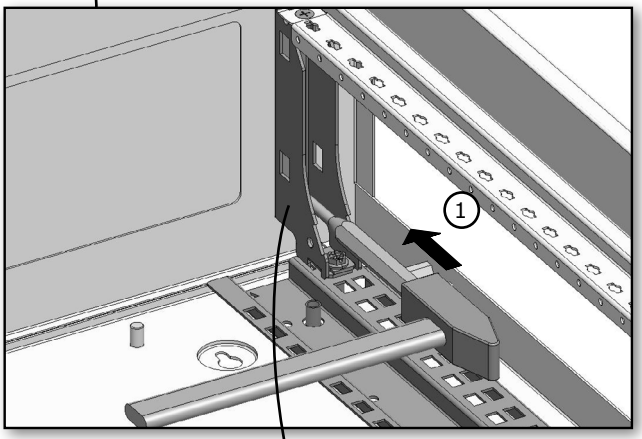


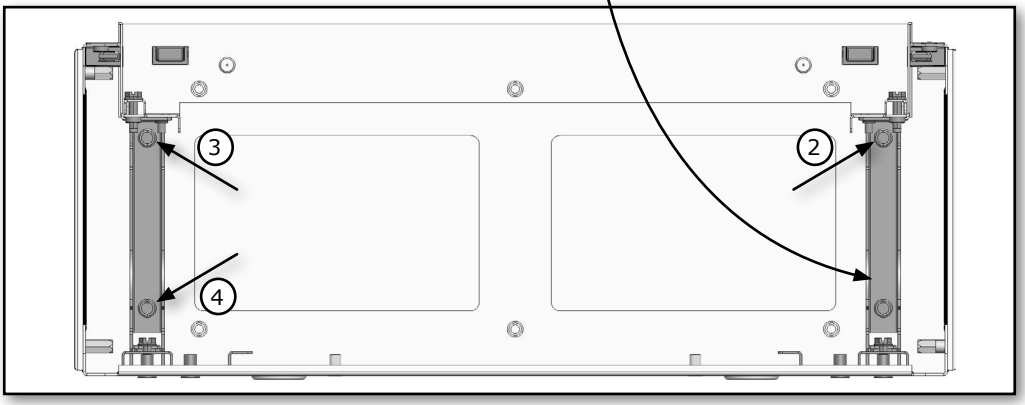
Q855P.01

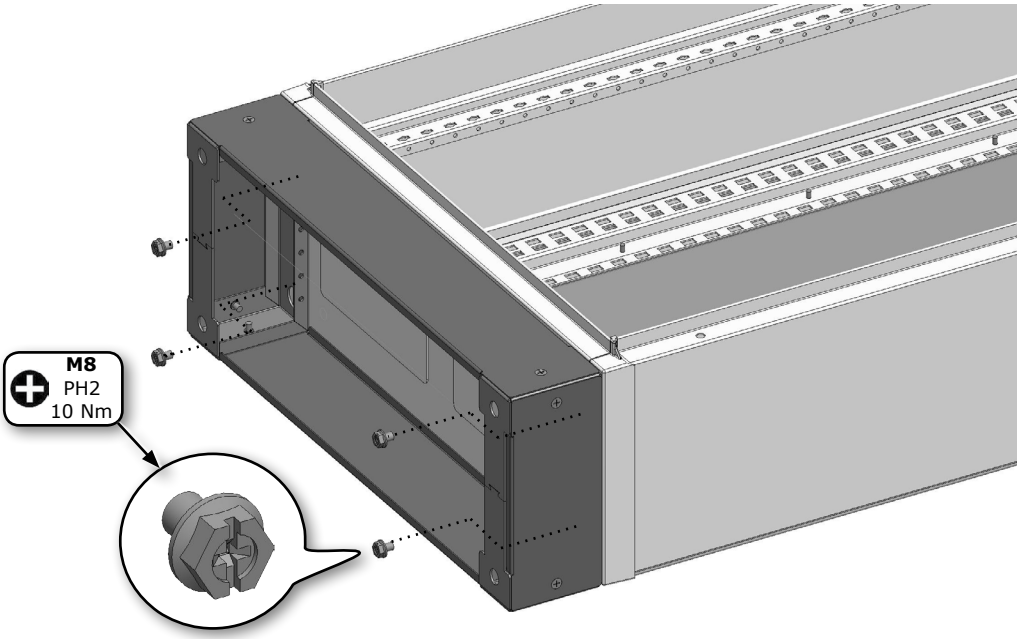


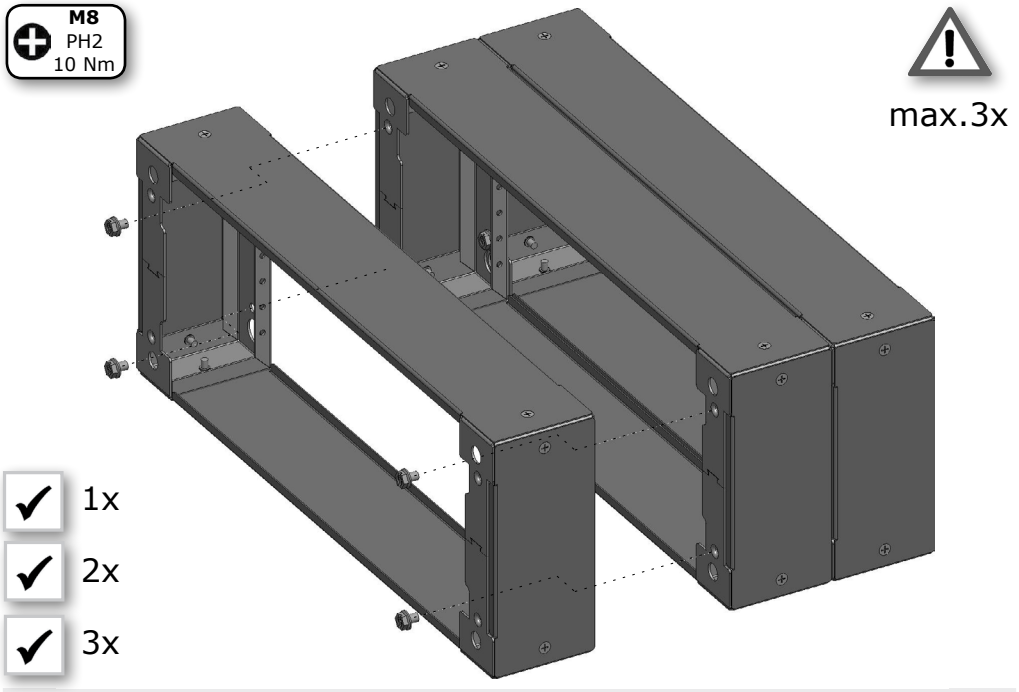




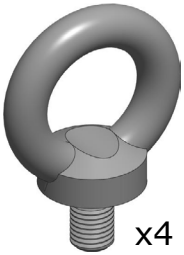

1

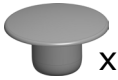

3
2
4

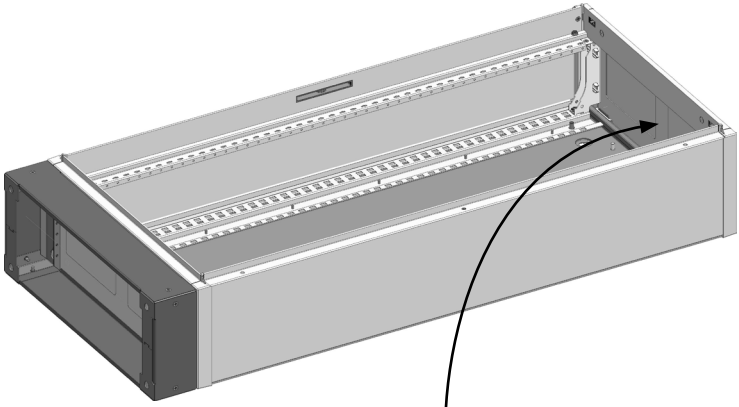

M8
PH2
10 Nm

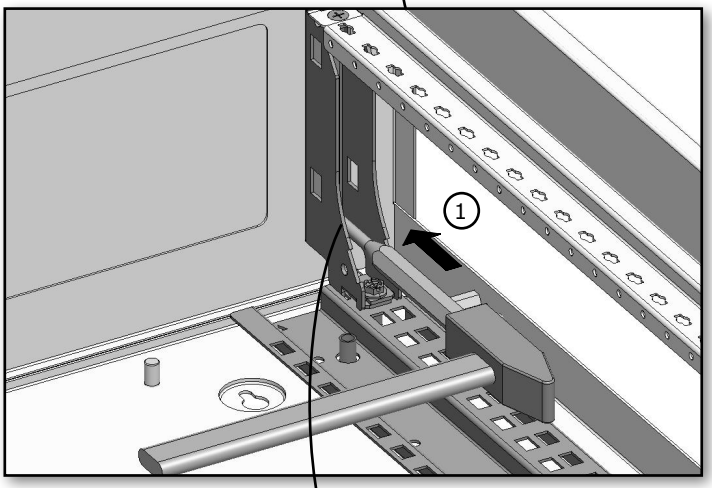

M8
PH2
10 Nm
max.3x
1x
2x
3x

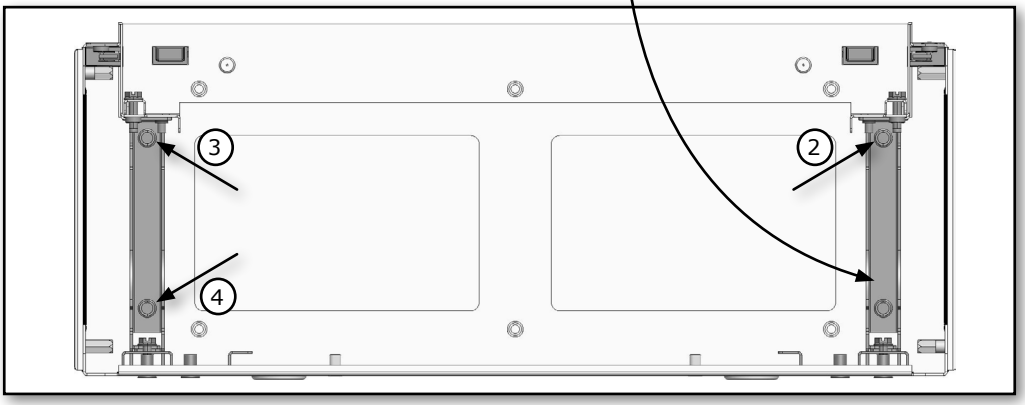
Q801R00P4

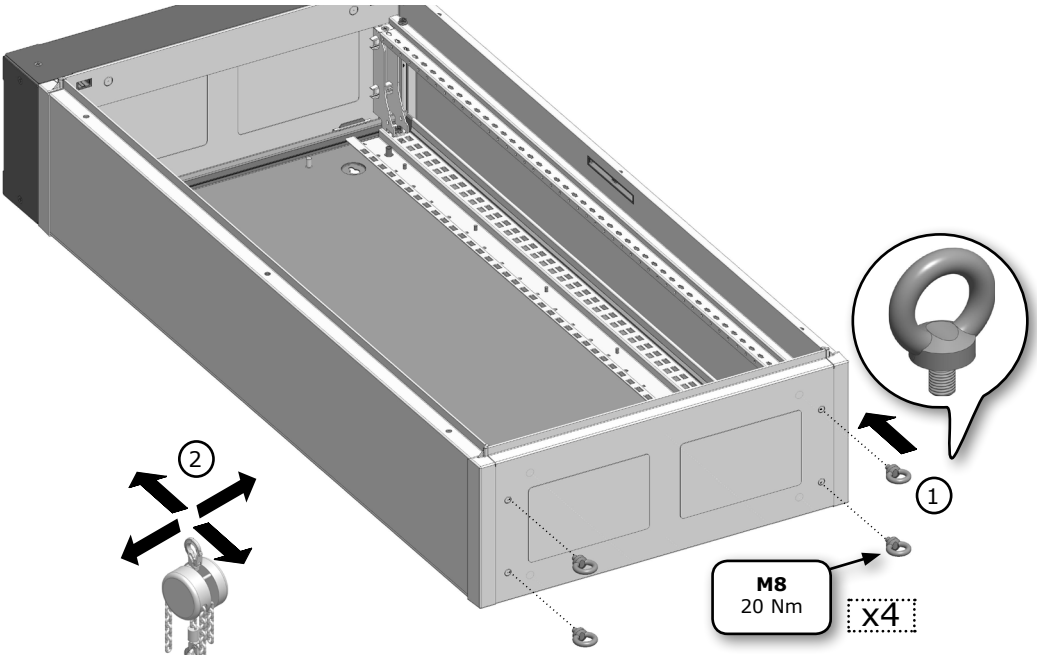


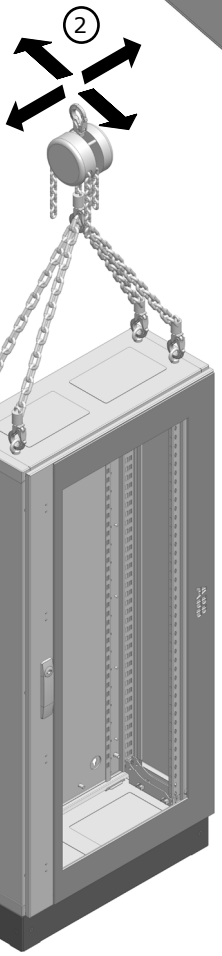


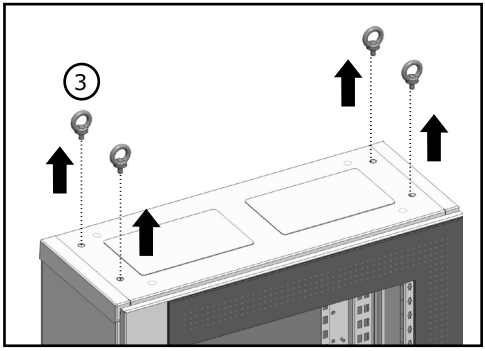


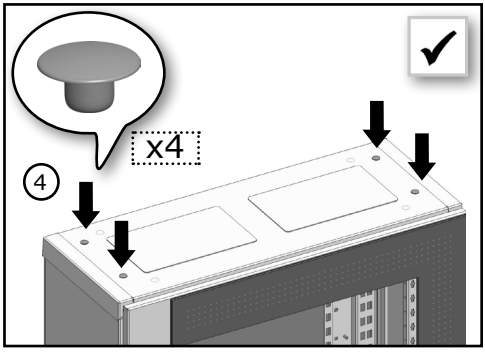


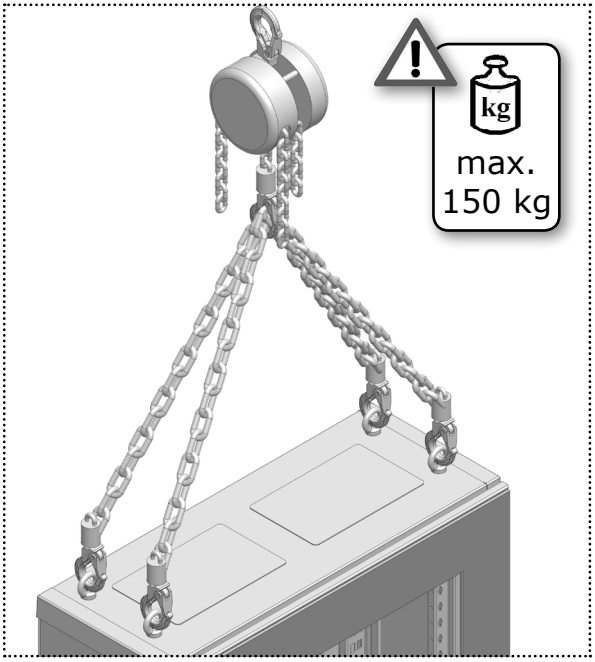


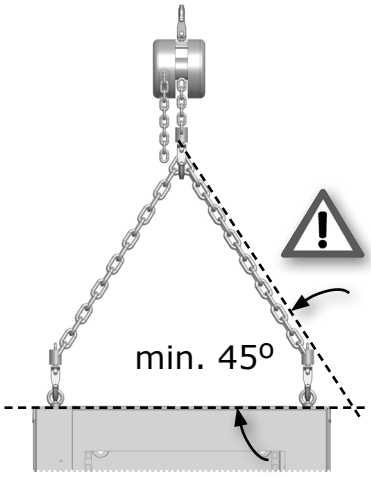

1
M8
20 Nm
x4

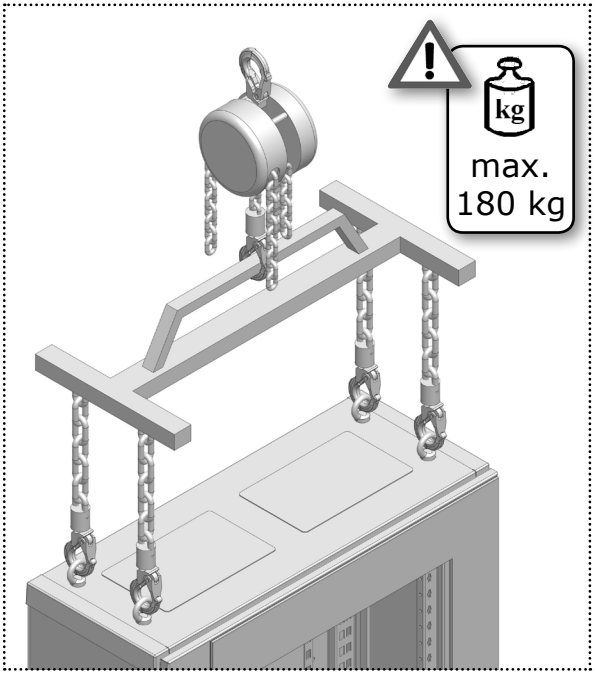

2

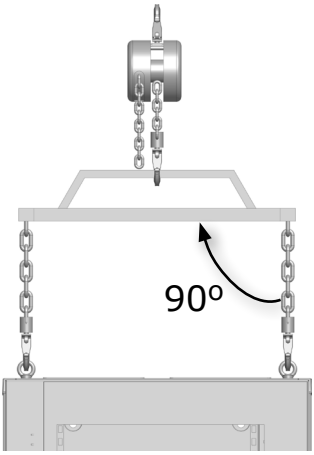

3

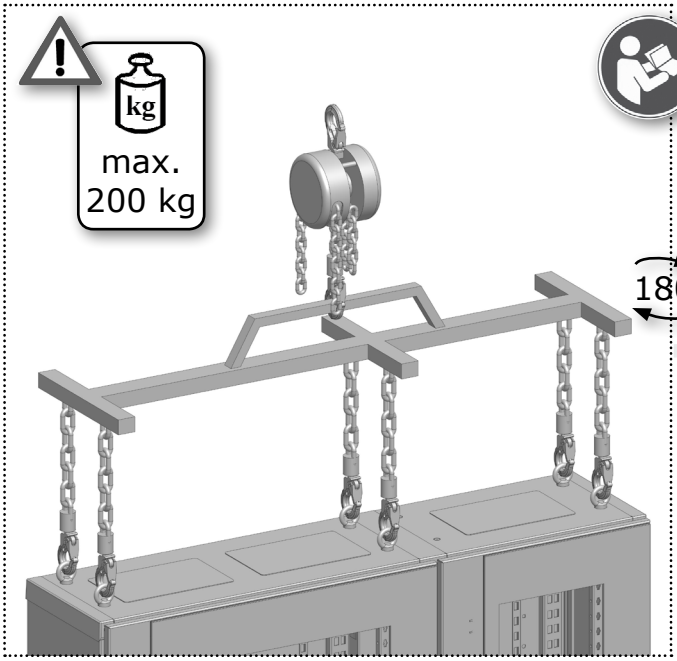

x4
4

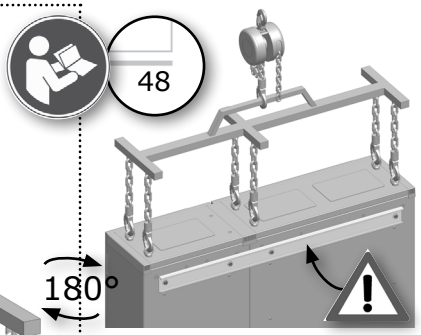

kg
max.
150 kg

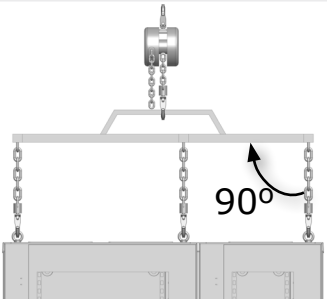

min. 45º

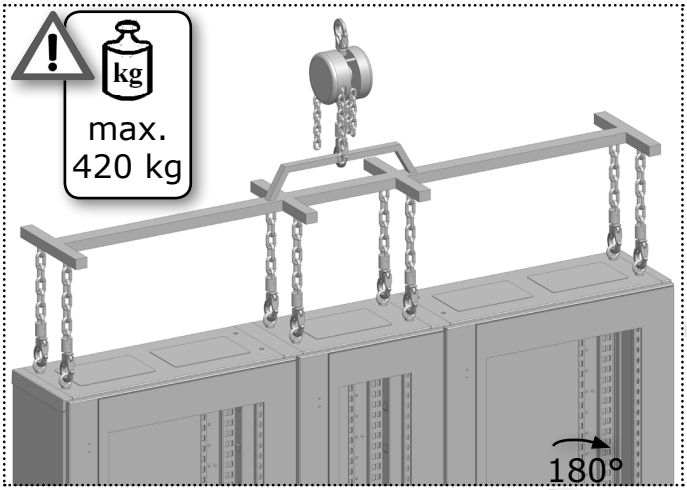

kg
max.
180 kg

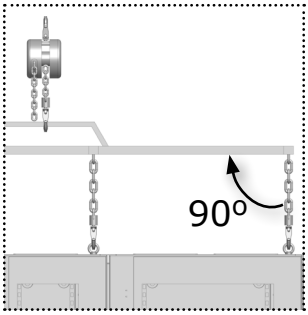

90º

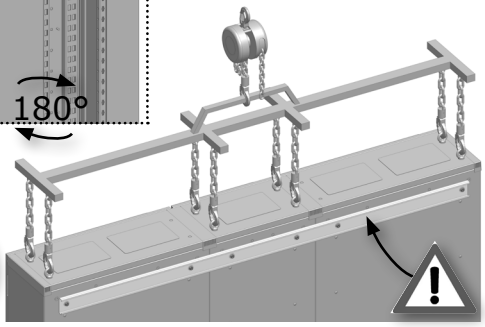

kg
max.
200 kg


48
180°

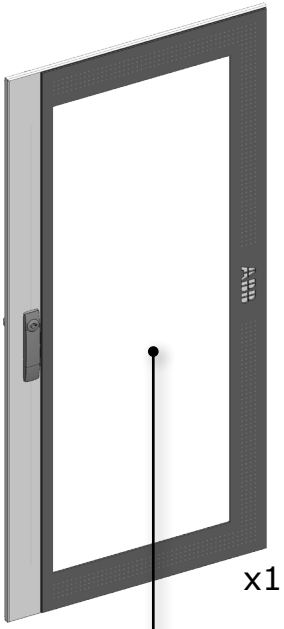

90°

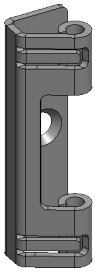

kg
max.
420 kg

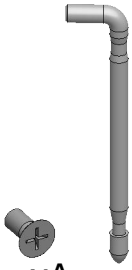

90°


180°
48

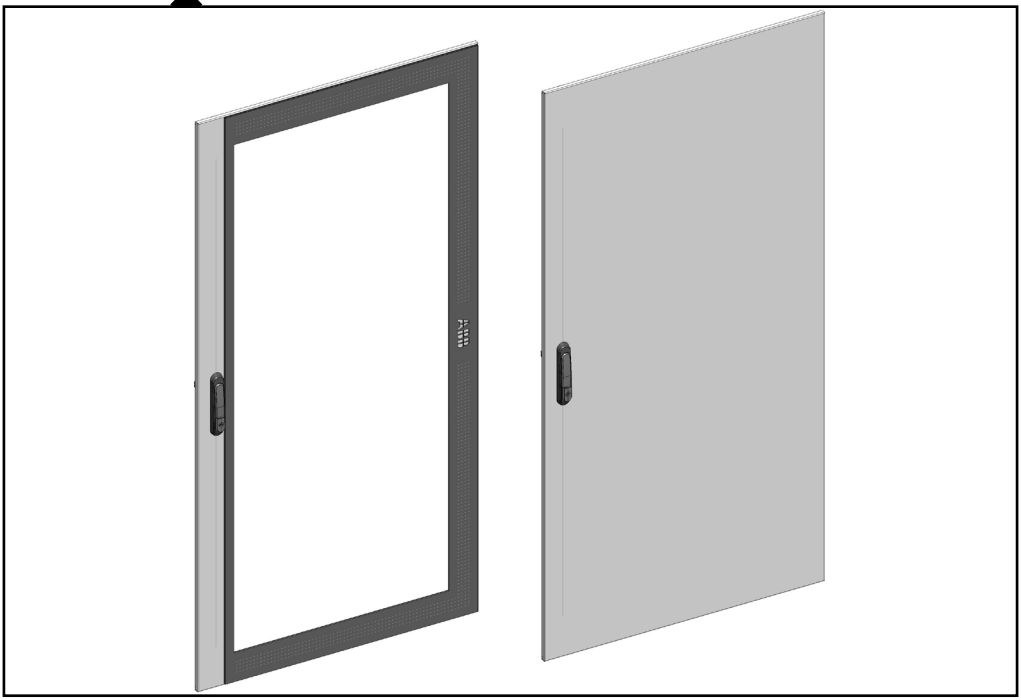
Q855....

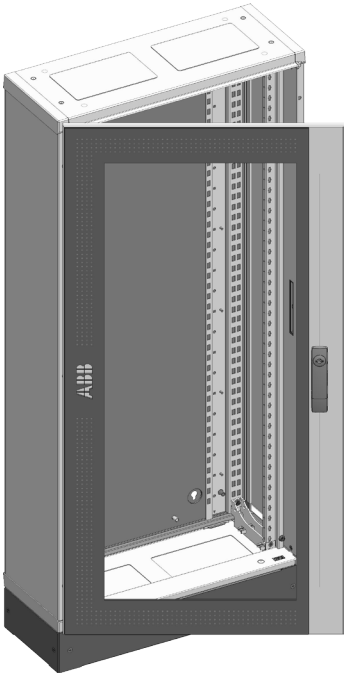


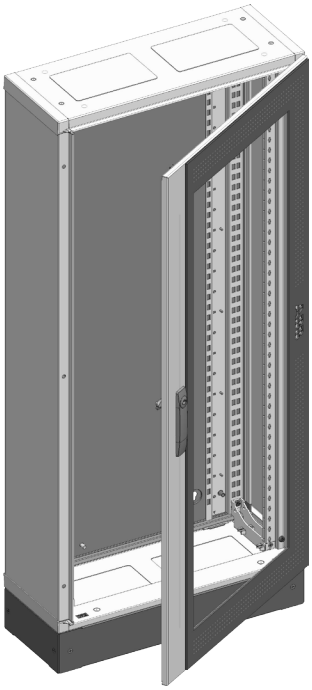


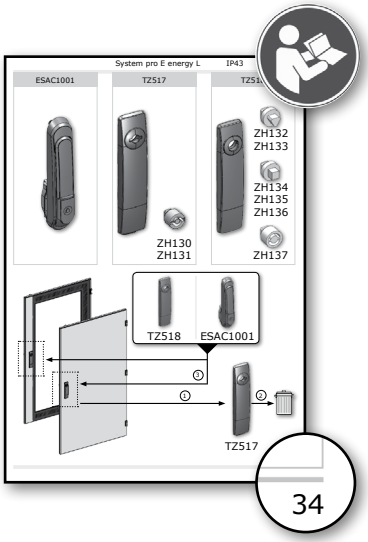


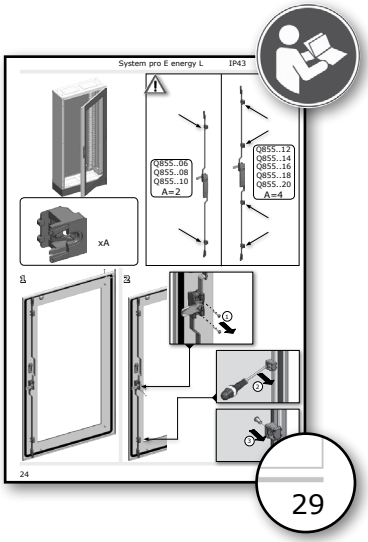
Q855D.06 Q855D.08 Q855D.10 A=2	Q855G.06 Q855G.08 Q855G.10 A=2
Q855D.12 Q855D.14 Q855D.16 Q855D.18 Q855D.20 A=3	Q855G.12 Q855G.14 Q855G.16 Q855G.18 Q855G.20 A=3

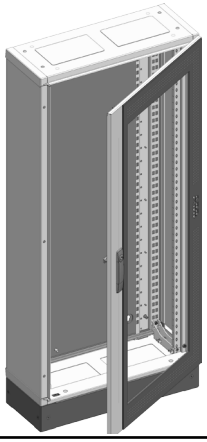


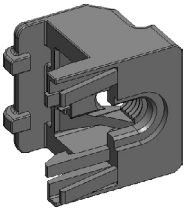




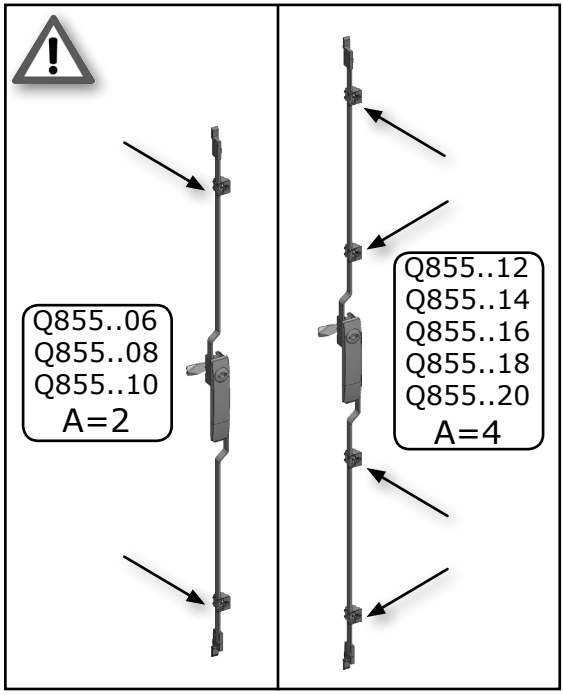

System pro E energy L
IP43
ESAC1001
TZ517
ZH132
ZH133
ZH134
ZH135
ZH136
ZH130
ZH131
ZH137
TZ518
ESAC1001
TZ517
34


System pro E energy L
IP43
Q855..06
Q855..08
Q855..10
A=2
Q855..12
Q855..14
Q855..16
Q855..18
Q855..20
A=4
xA
24
29

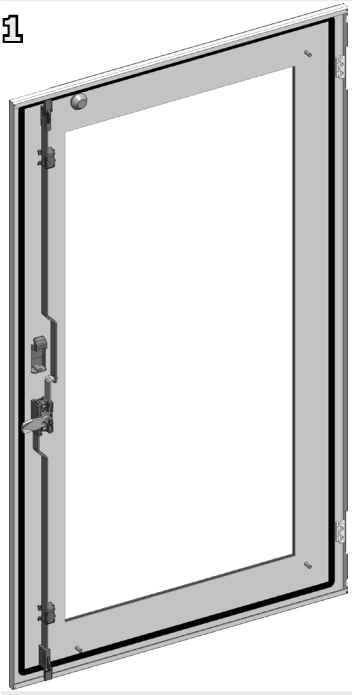




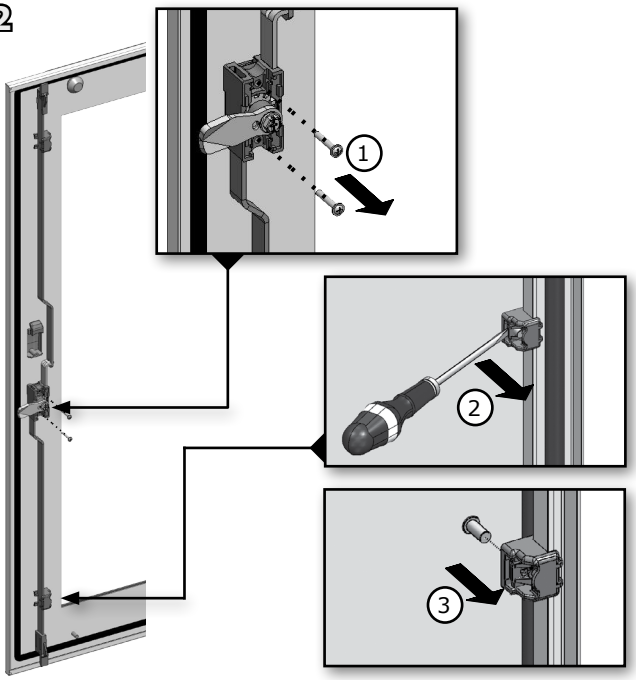
xA

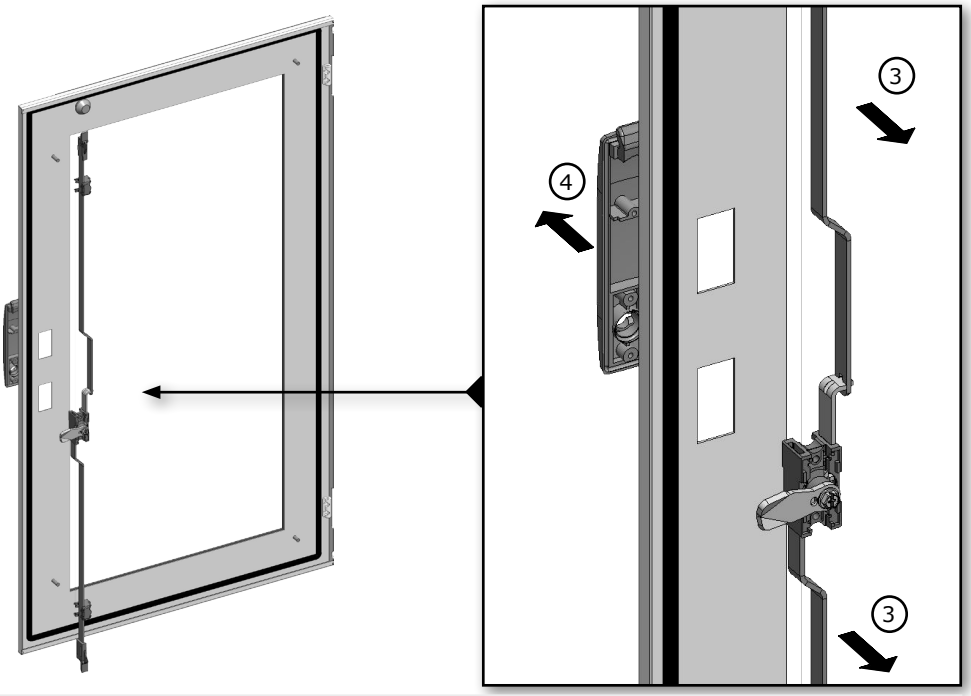

Q855..06
Q855..08
Q855..10
A=2
Q855..12
Q855..14
Q855..16
Q855..18
Q855..20
A=4

1

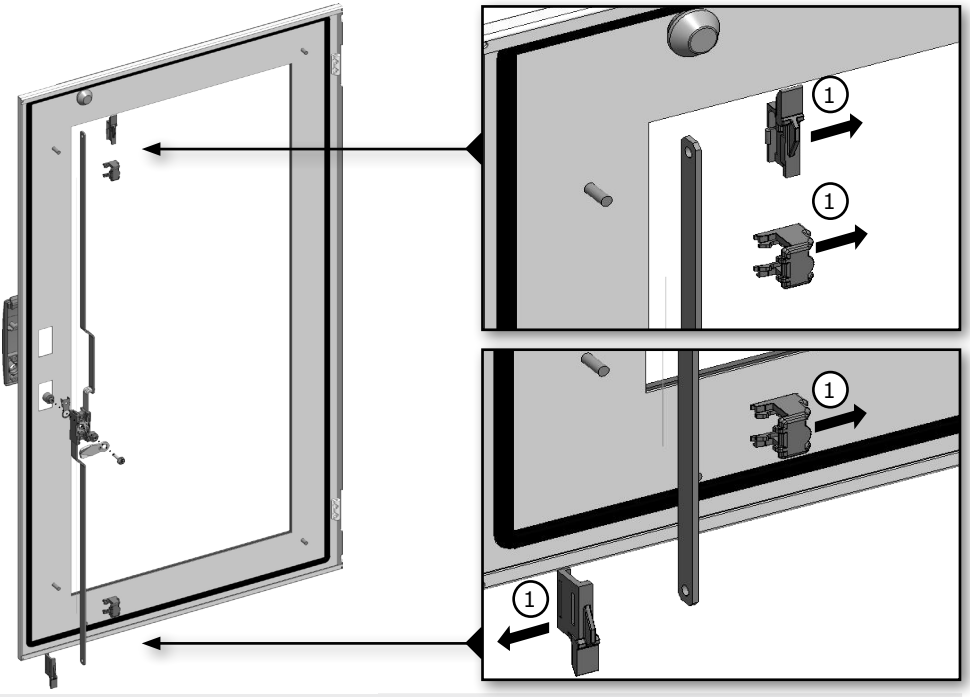


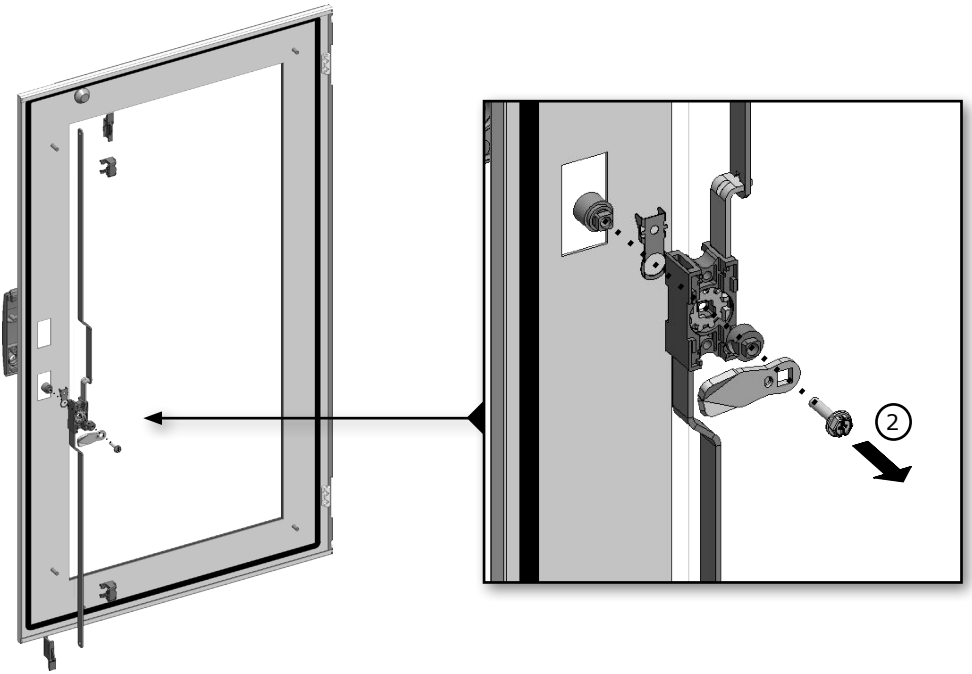
2

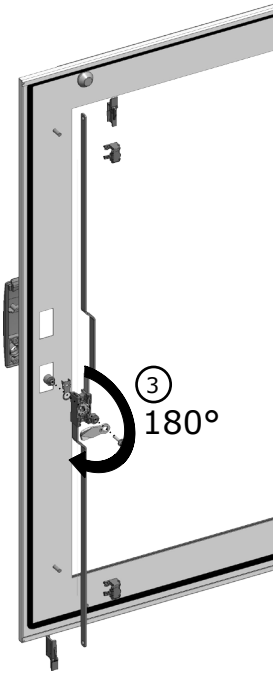

1
2
3

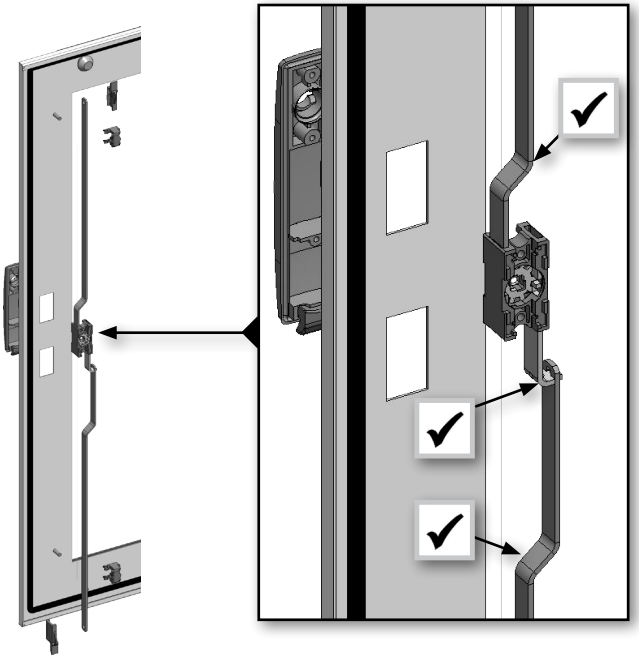


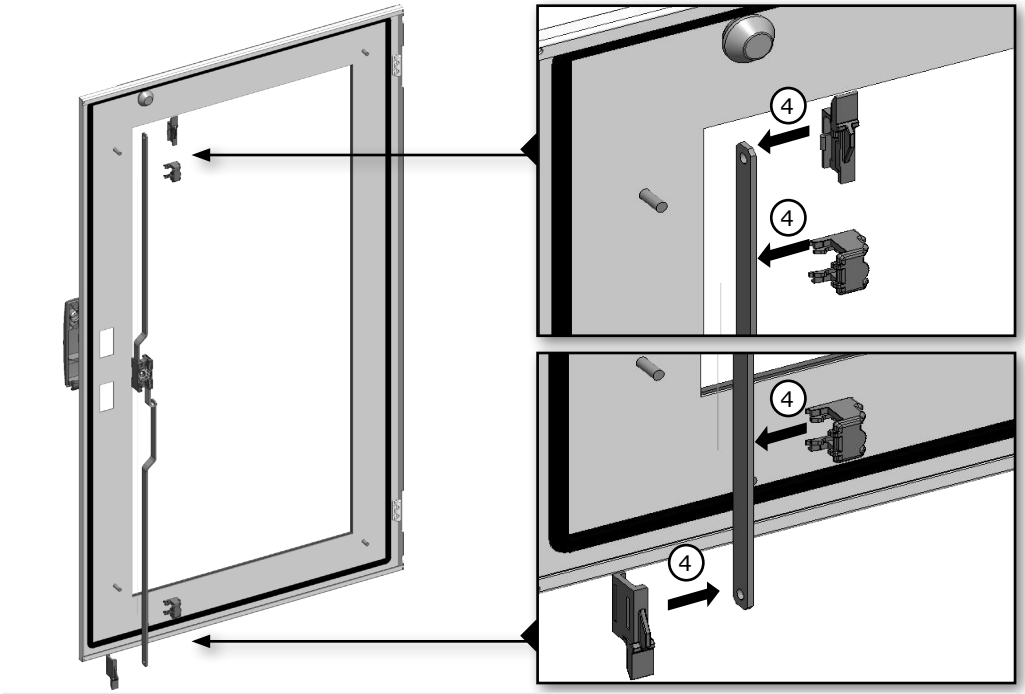
3

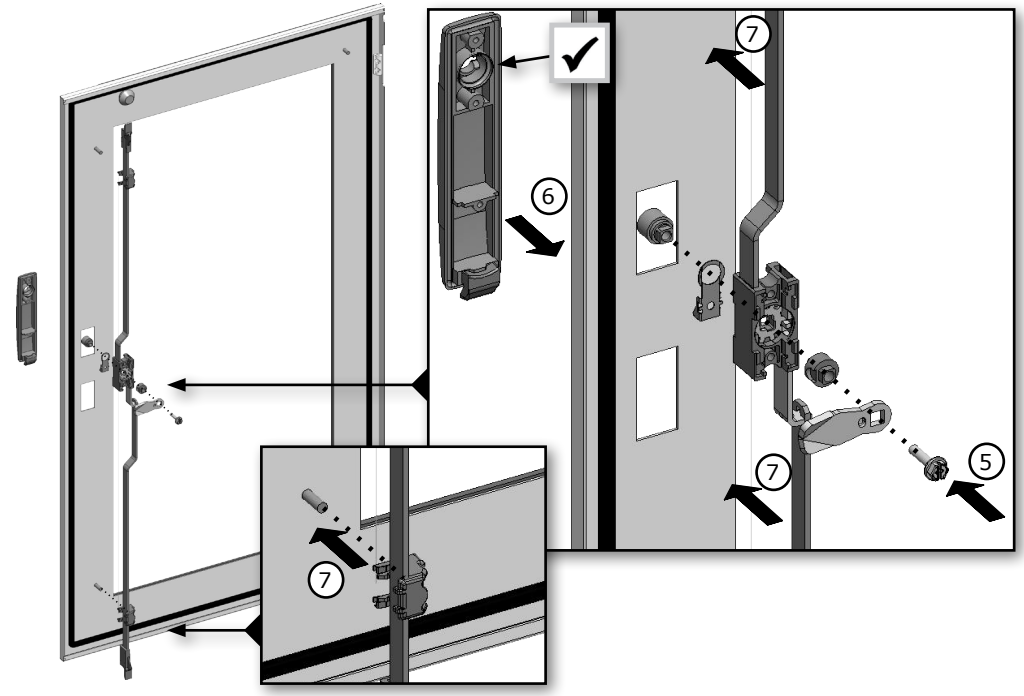


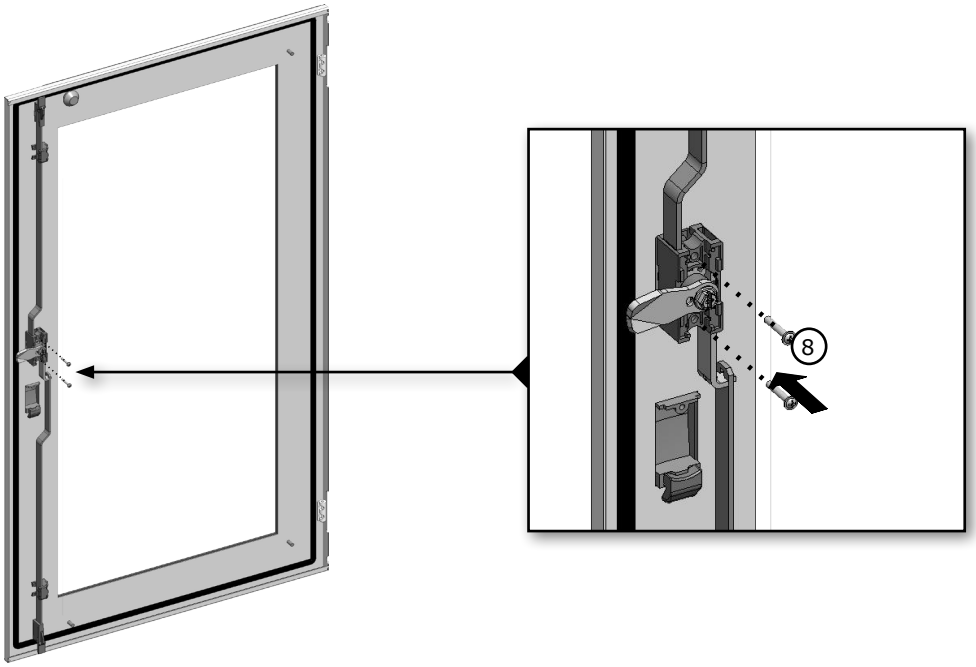

2

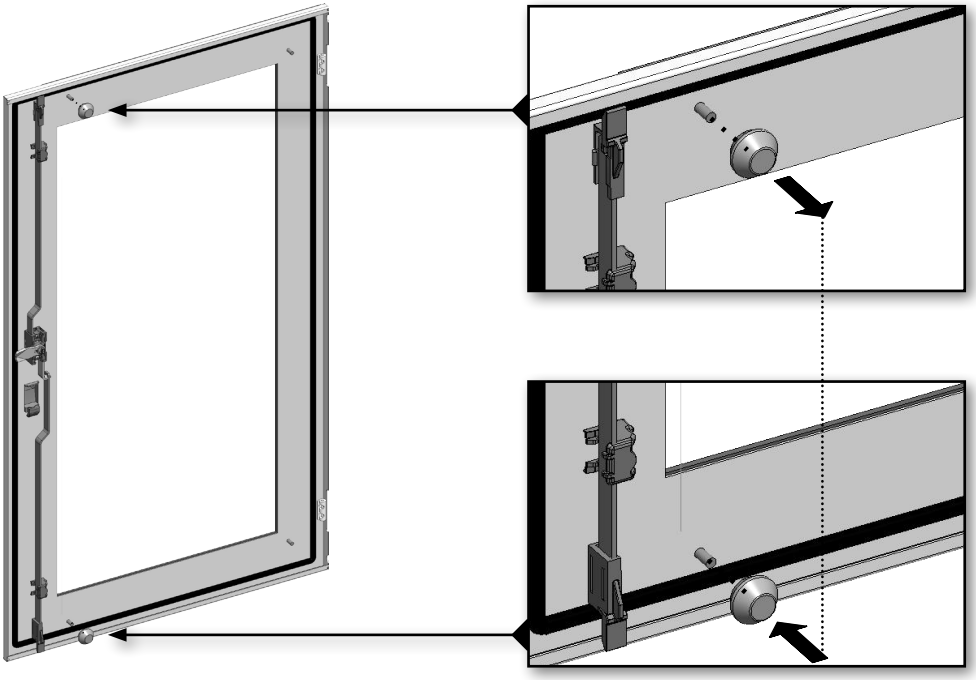

3
180°




4
4
4
4


7
6
7
5
7


8



ESAC1001



TZ517





ZH130
ZH131

TZ518





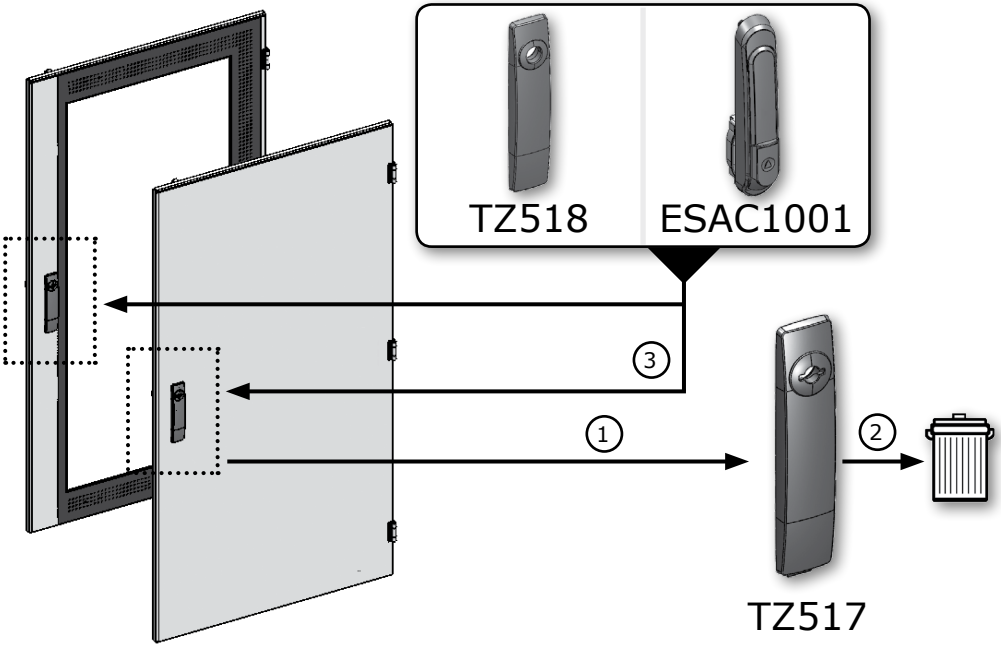
ZH132
ZH133



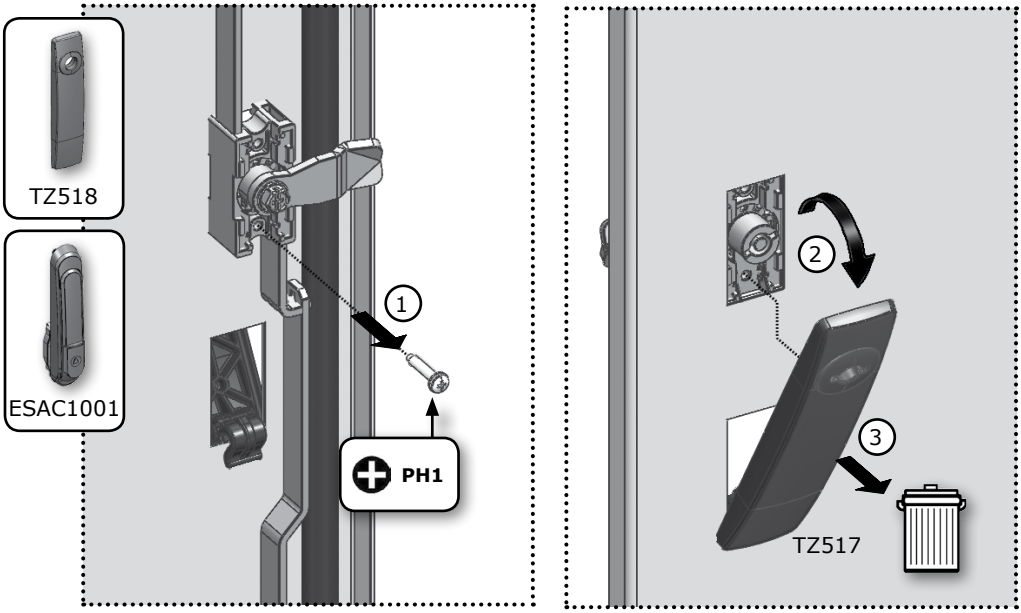
ZH134
ZH135
ZH136



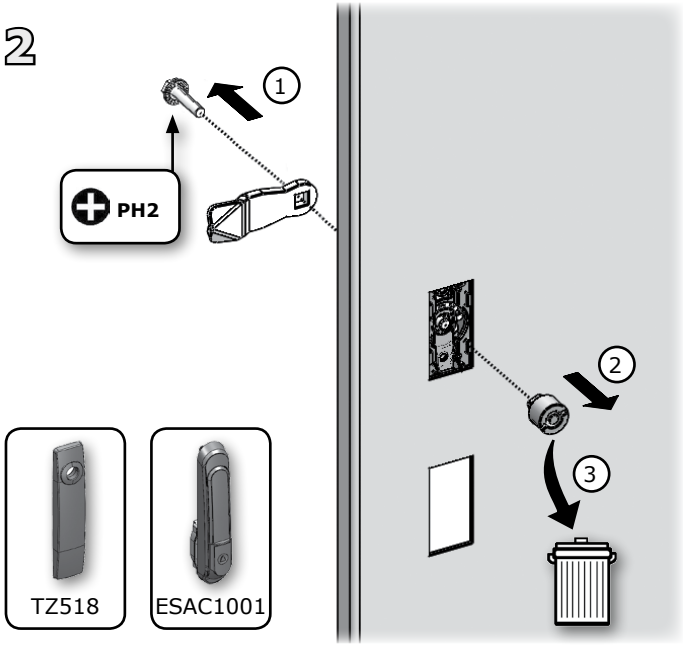
ZH137

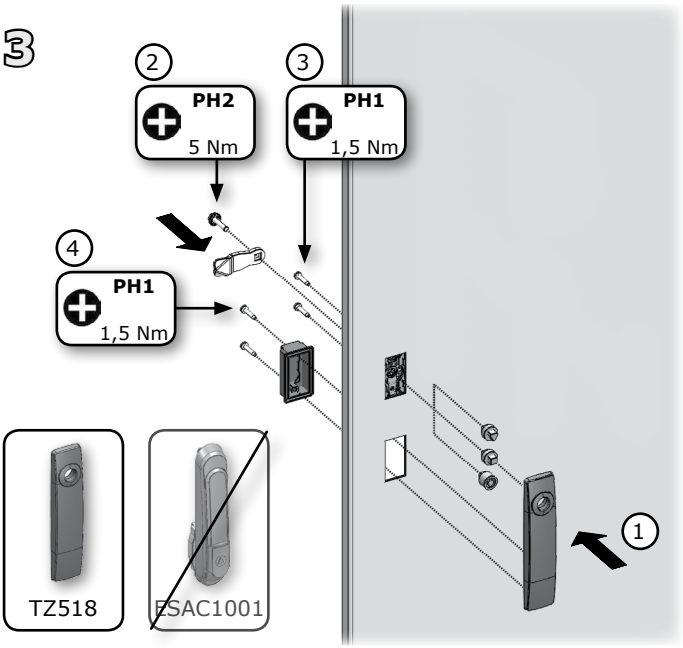


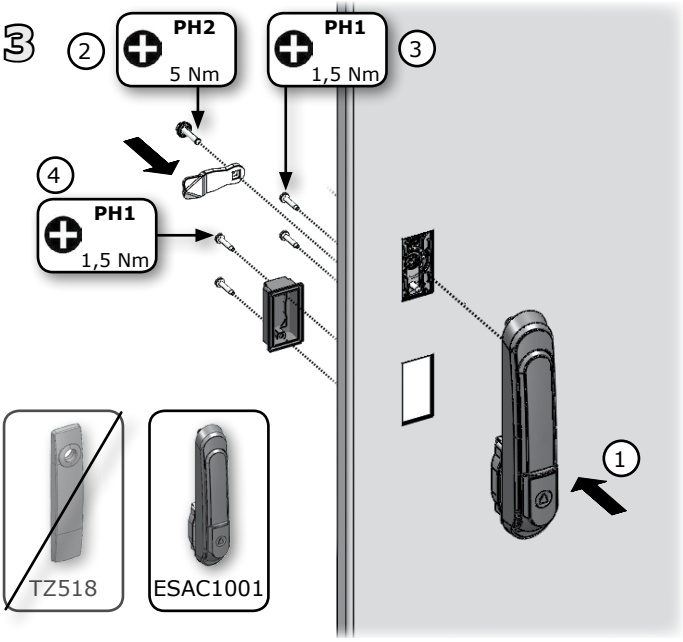
1

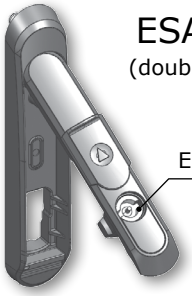


2

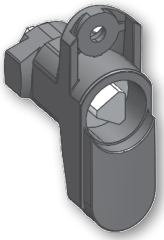



3
2
PH2
5 Nm
3
PH1
1,5 Nm
4
PH1
1,5 Nm
1
TZ518
ESAC1001

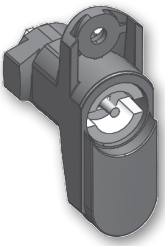

3
2
PH2
5 Nm
PH1
1,5 Nm
3
4
PH1
1,5 Nm
1
TZ518
ESAC1001



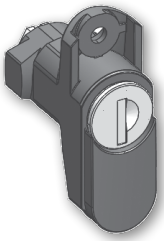
ESAC1001
(double bit 3 mm)



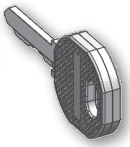
ESAC1004 7 mm
ESAC1005 8 mm

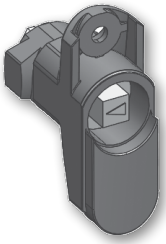


ESAC1002 3 mm
ESAC1003 5 mm



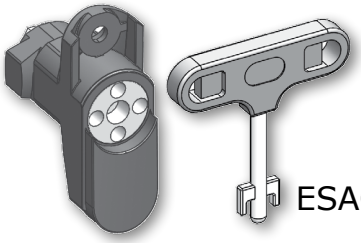
ESAC1009 EK333
ESAC1011 Ronis 455
ESAC1012 Ronis 405



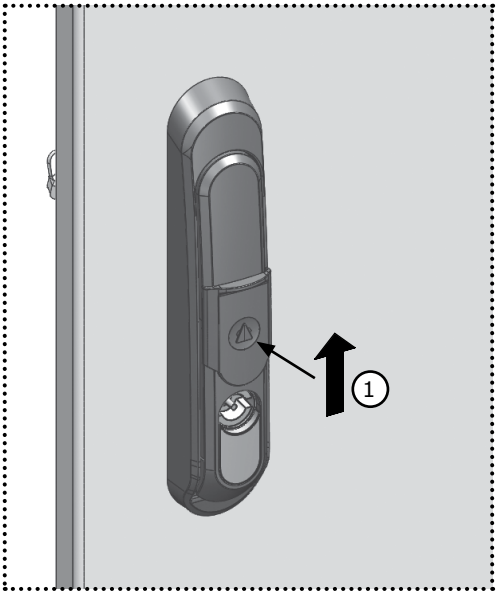


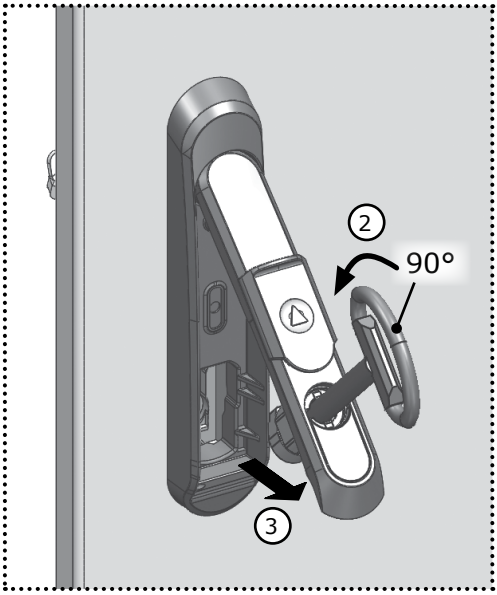
ESAC1006 6 mm
ESAC1007 7 mm
ESAC1008 8 mm

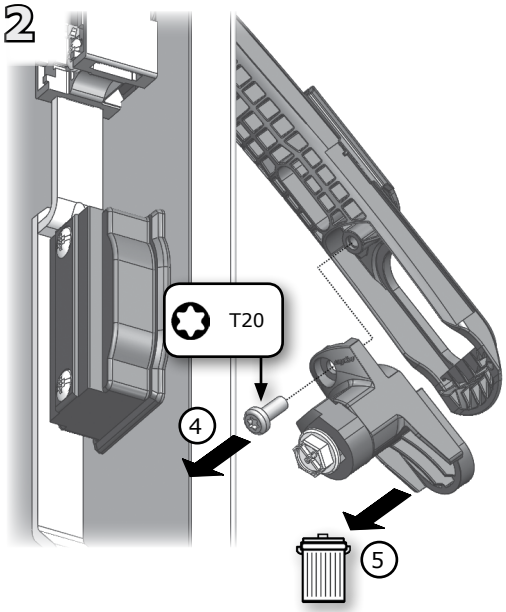
ESAC1010 FIST

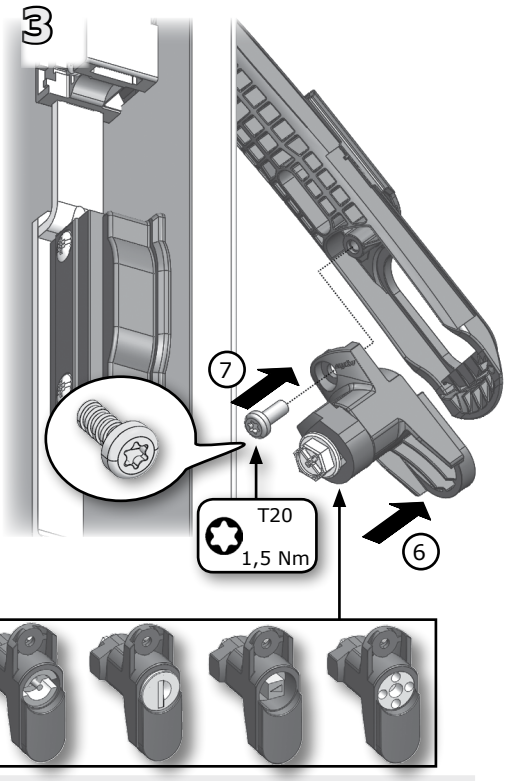


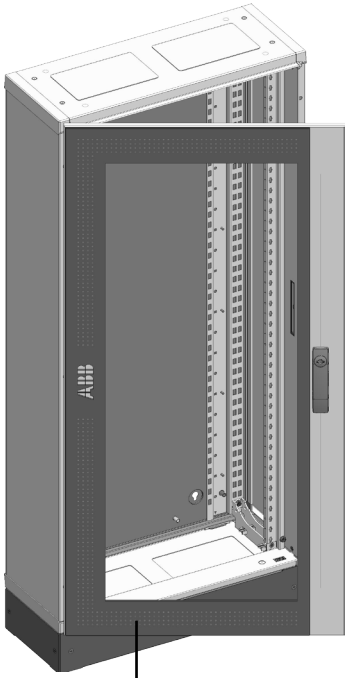
ESAC1013

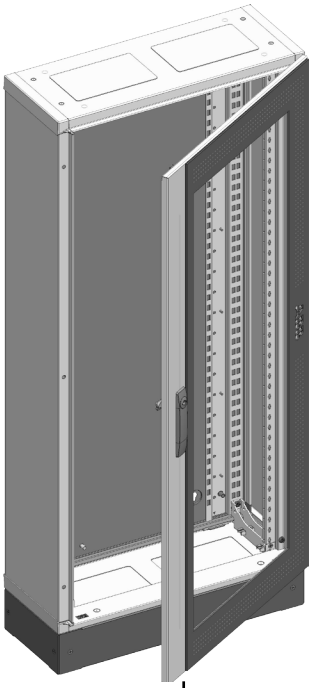

1

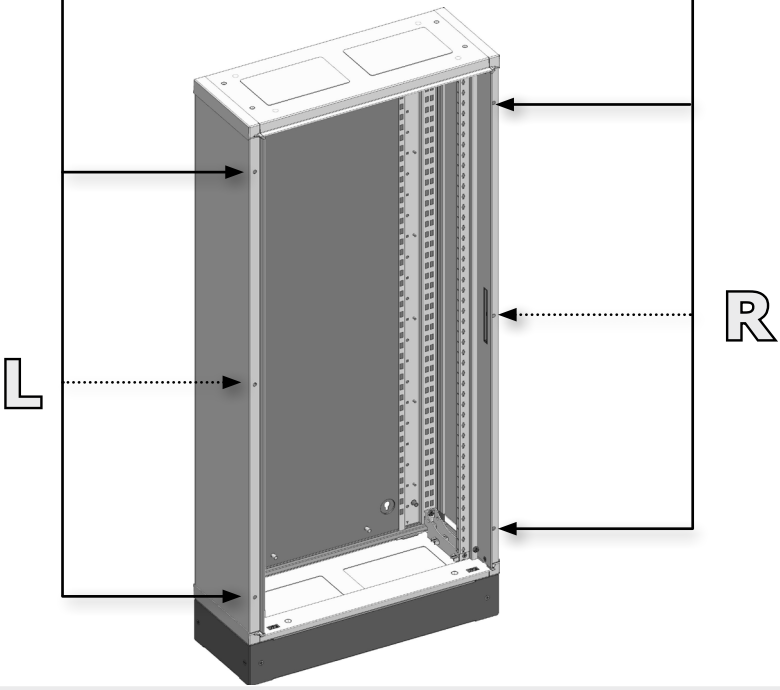

2
90°
3

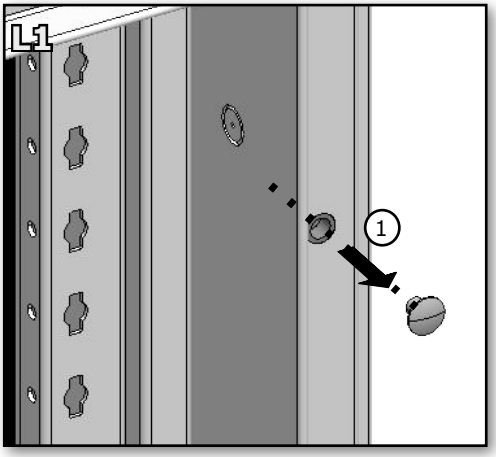

2
T20
4
5

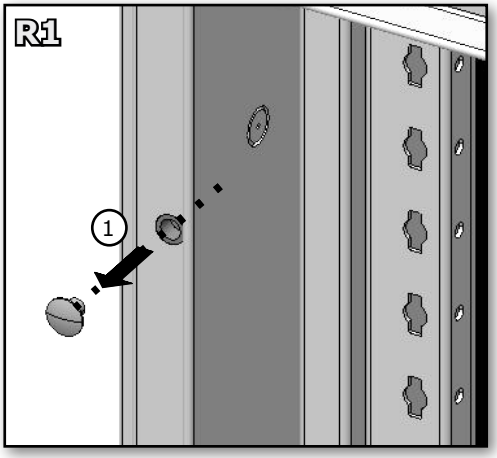

3
7
T20
1,5 Nm
6

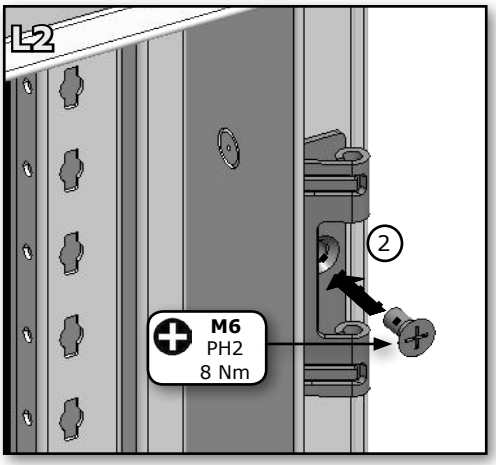


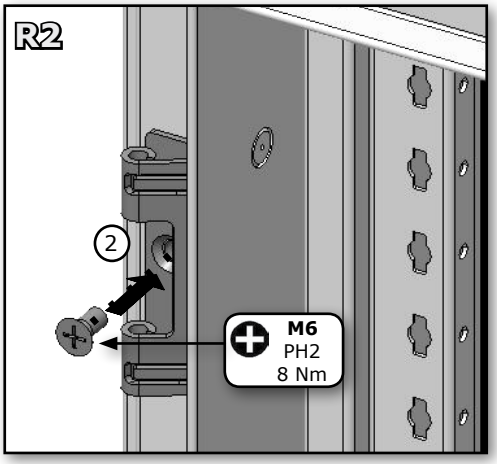


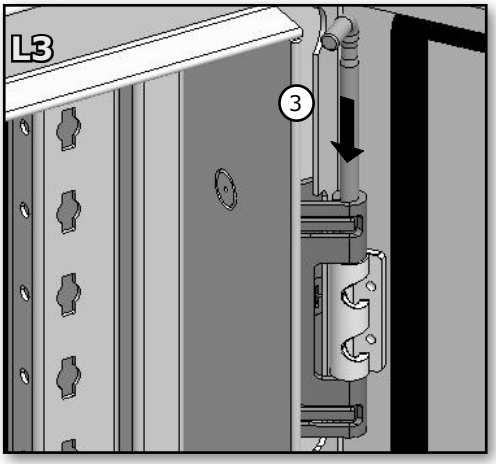

L
R

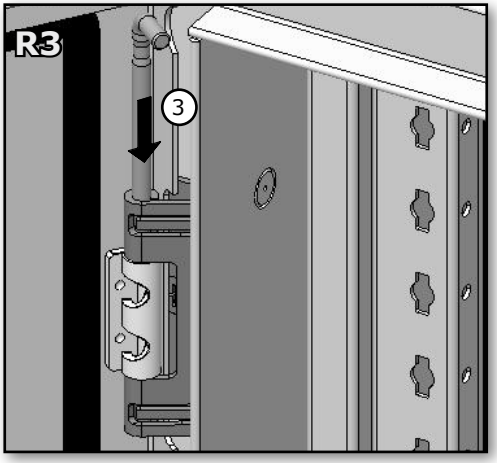

L1
1

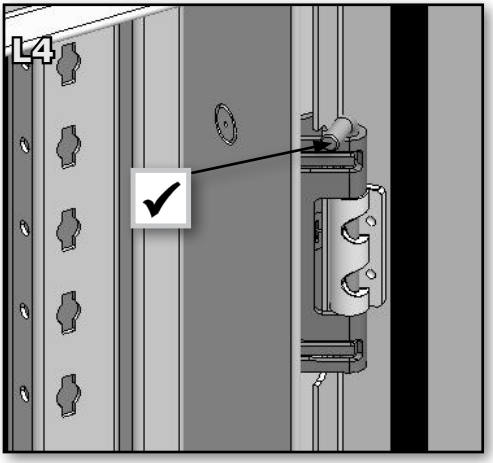

R1
1

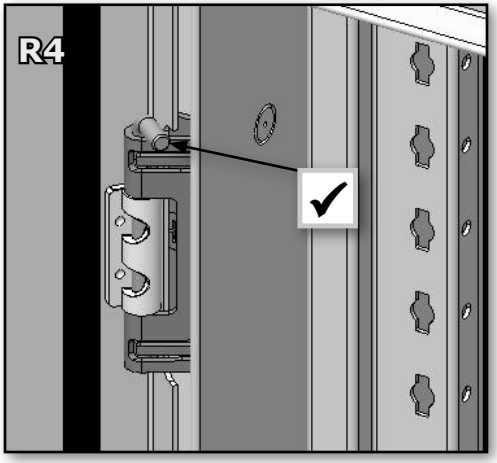

L2
2
M6
PH2
8 Nm

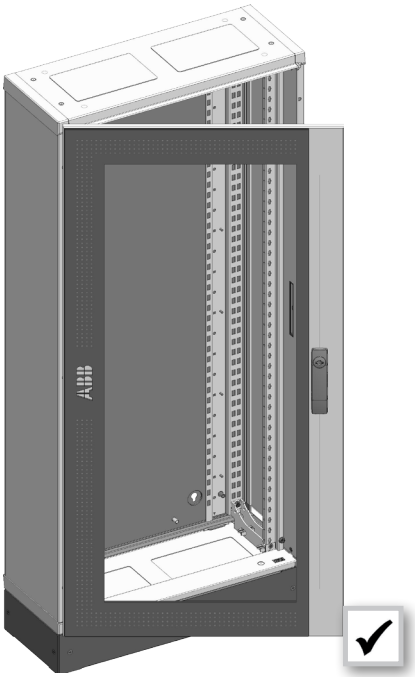

R2
2
M6
PH2
8 Nm

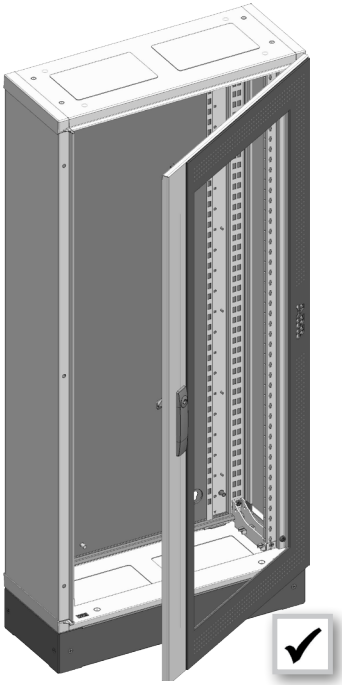

L3
3

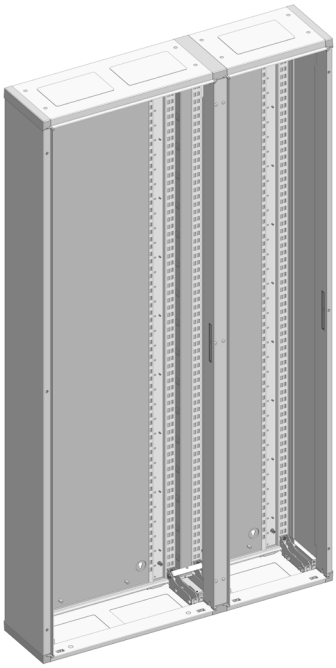

R3
3


L4

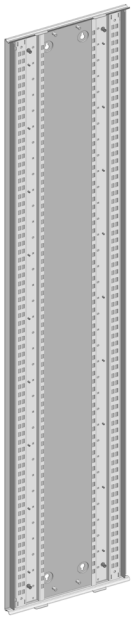

R4

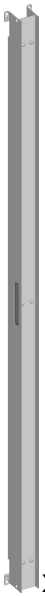






Q843E...


x1

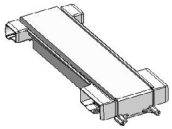

x1


x2

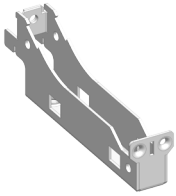

x1

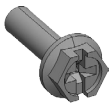

x2/x4

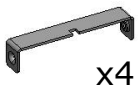

x2

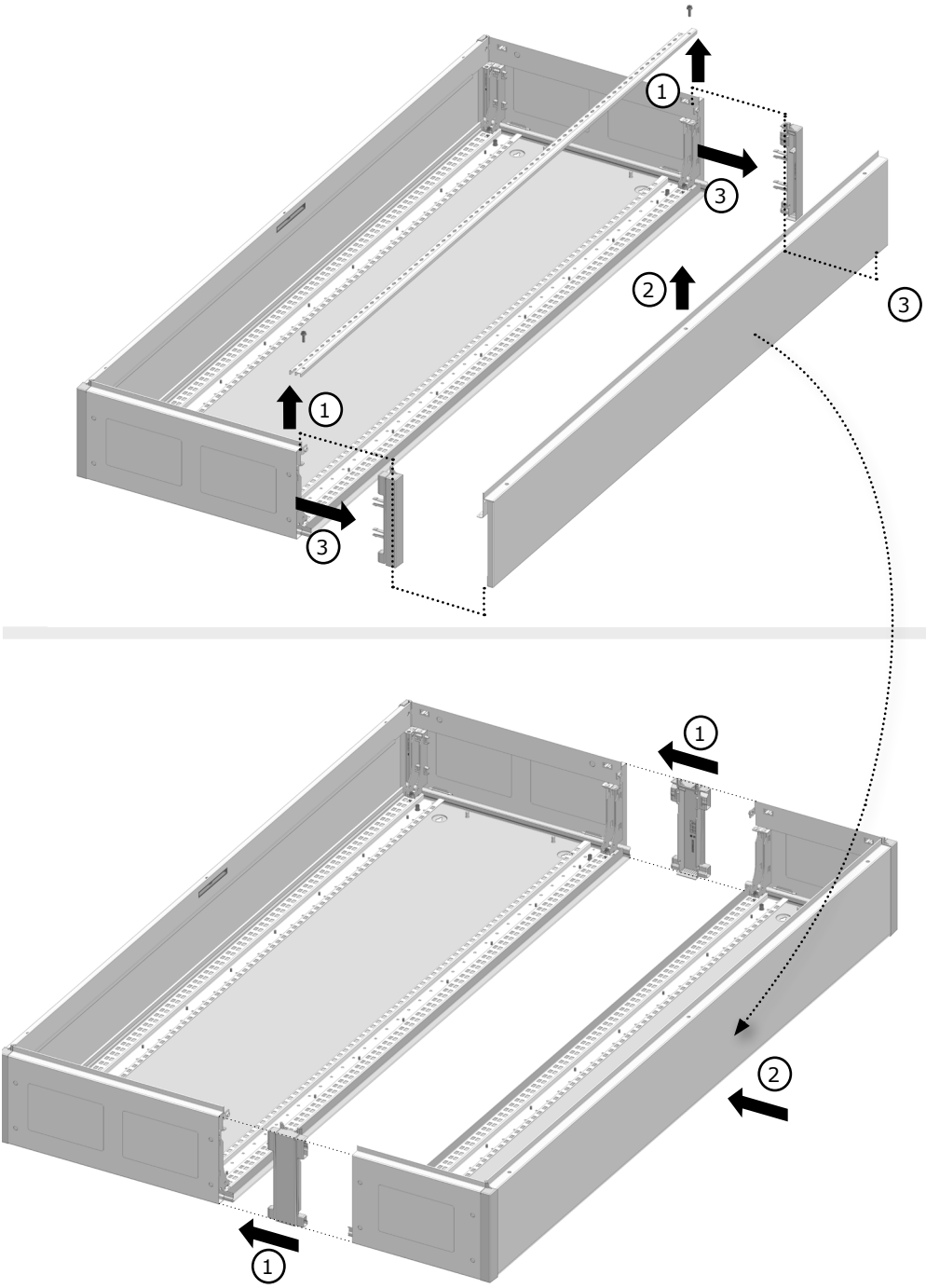

x2

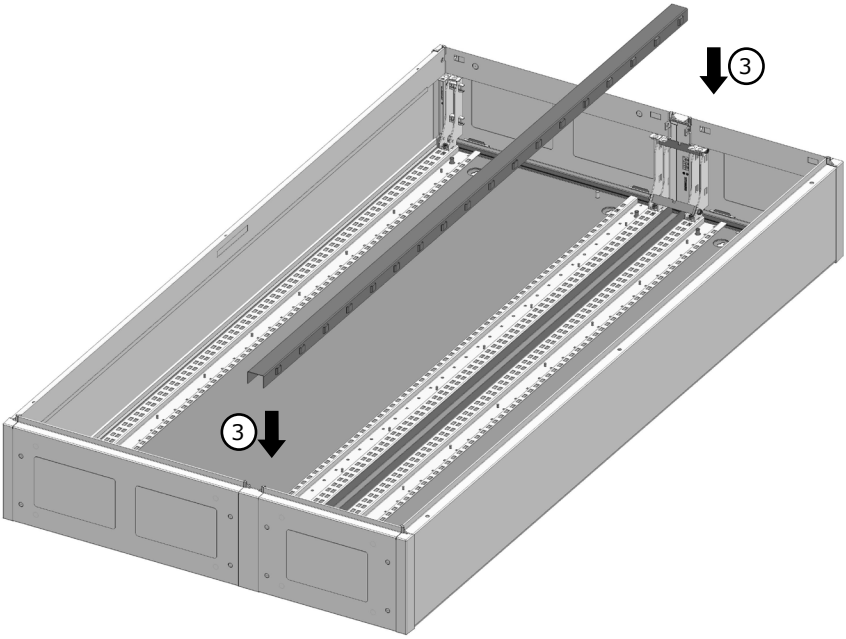

x8

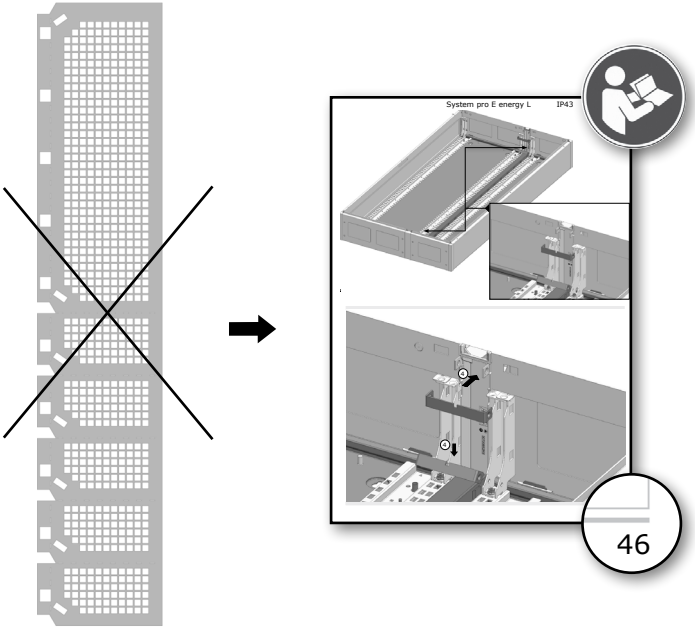

x4


x16

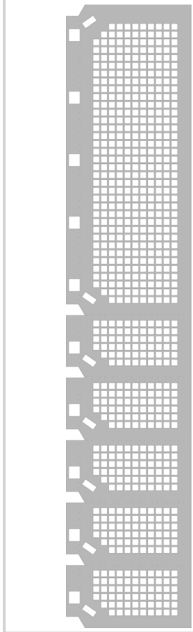

x4

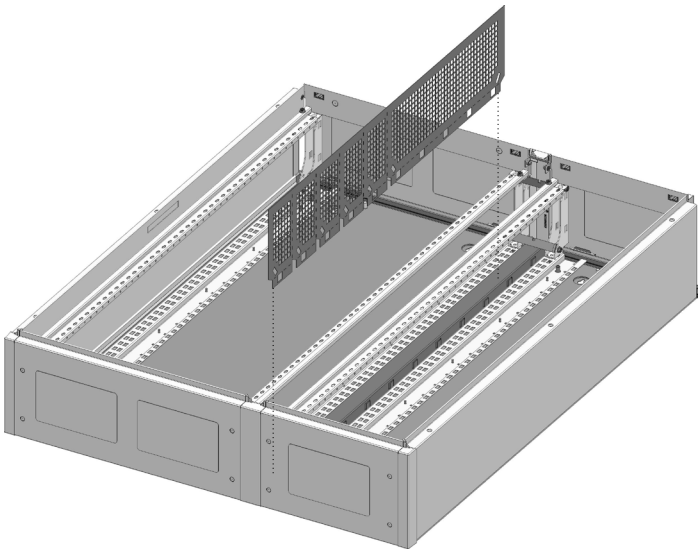

1
3
2
3
1
3
1
2
1

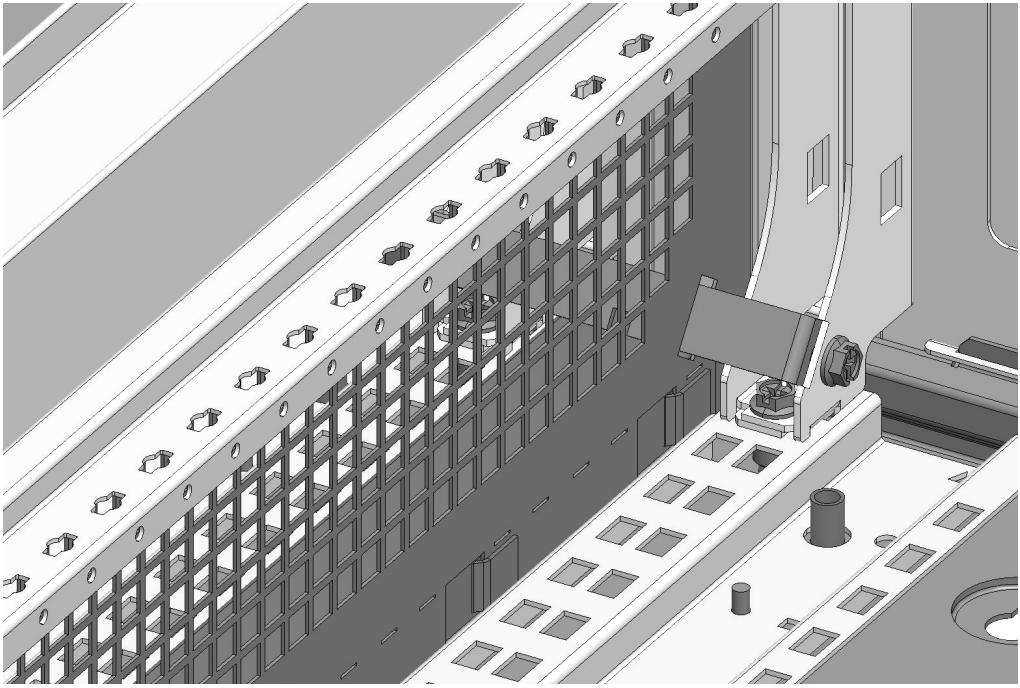

3
3

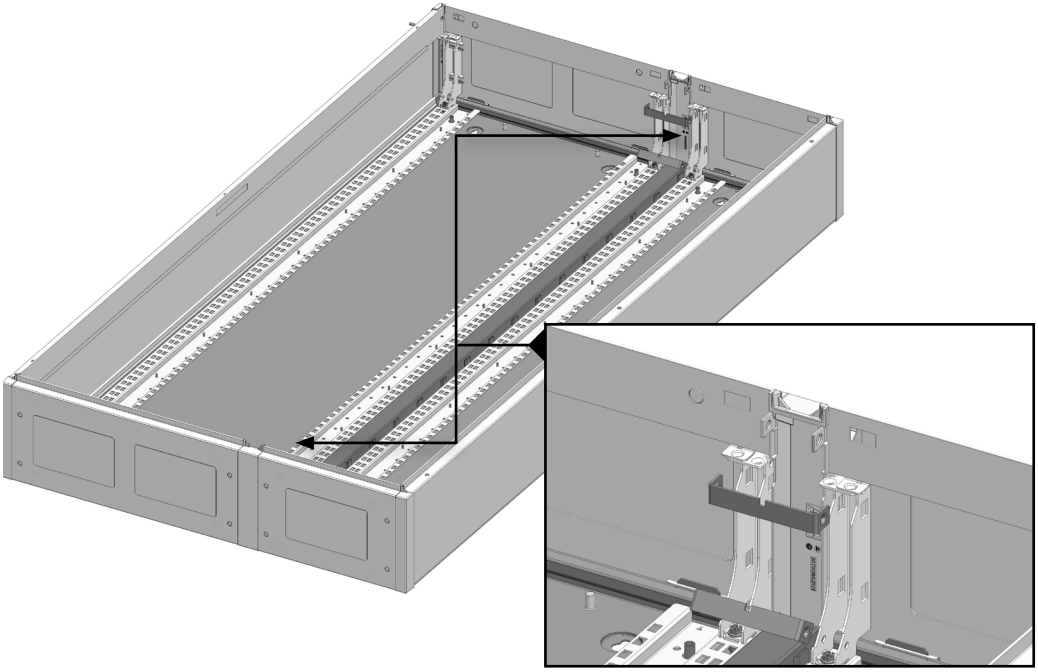

System pro E energy L IP43
46

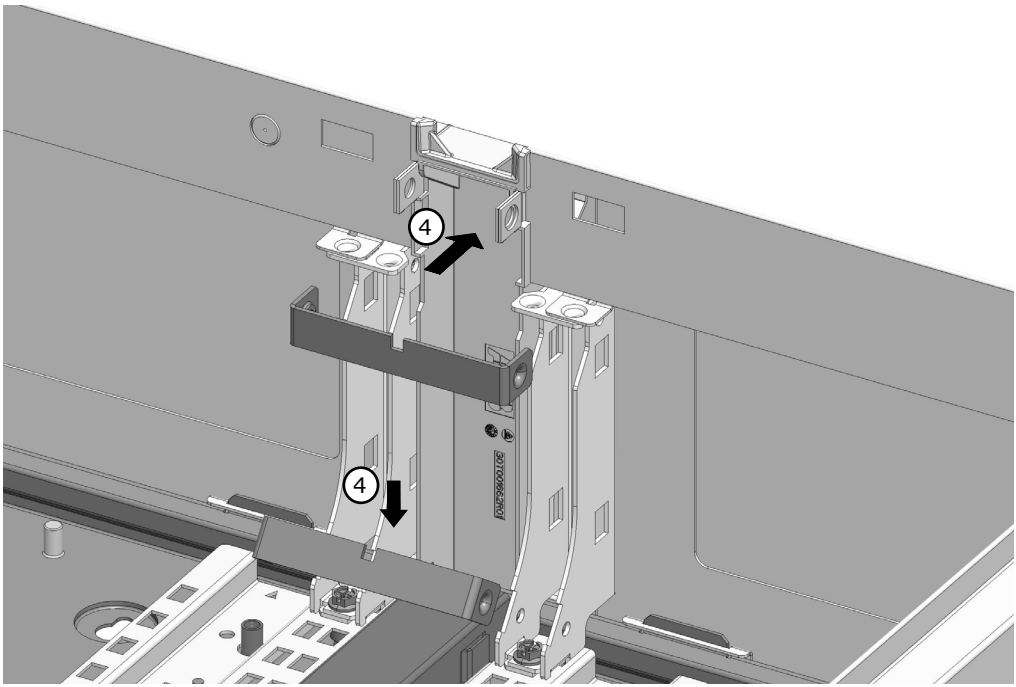
QRFV01XSS

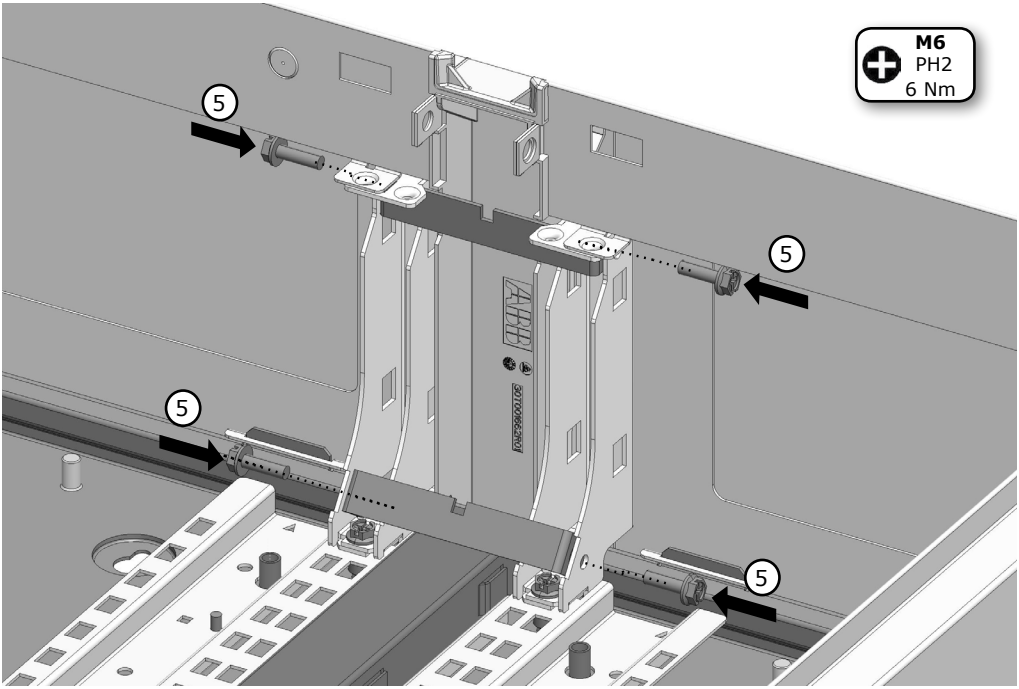


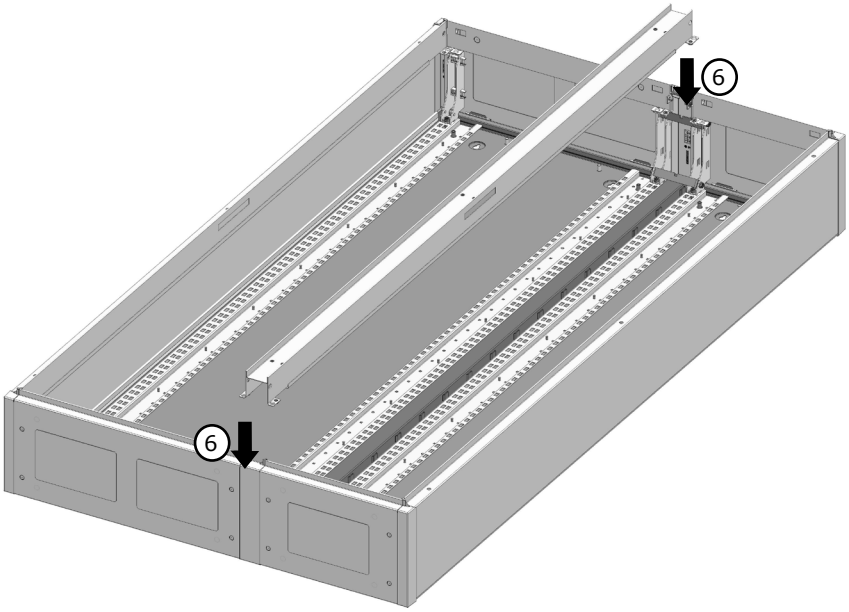


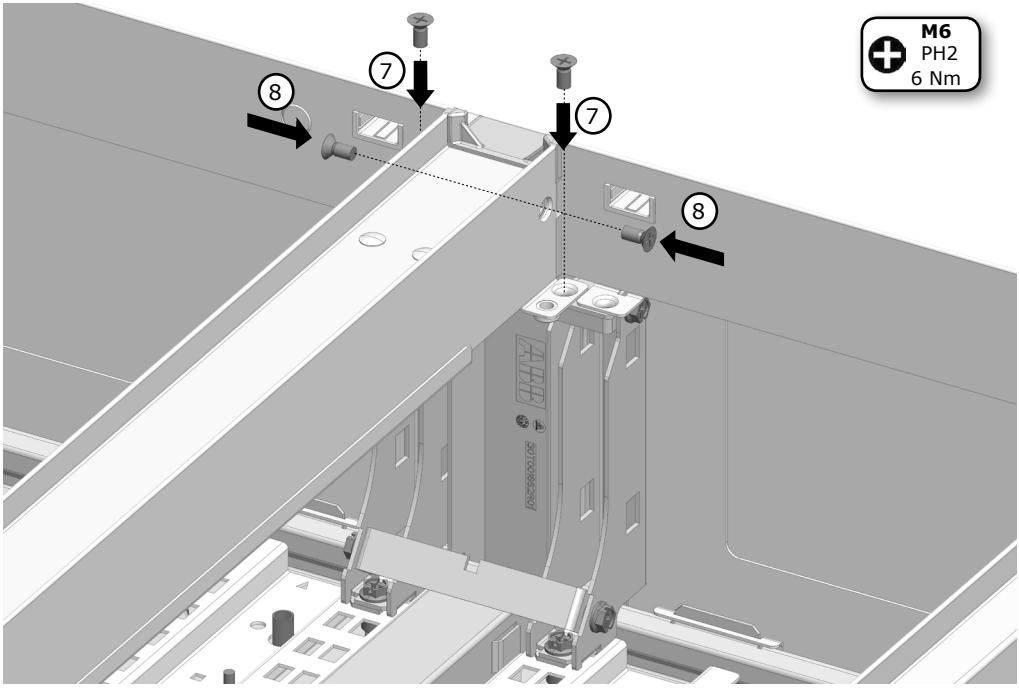


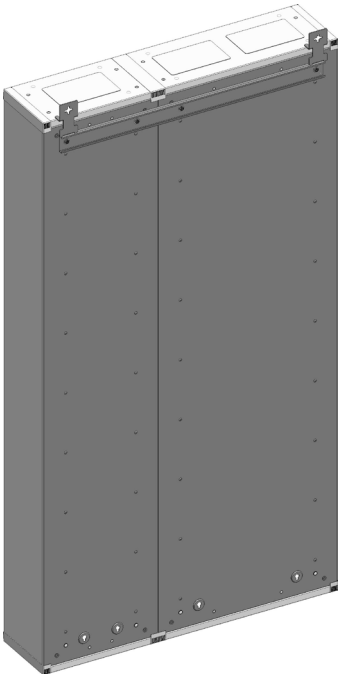



4
4


M6
PH2
6 Nm
5
5
5
5


6
6





Q800R...



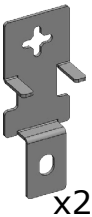


x2



x2

Q800R00P2



x2

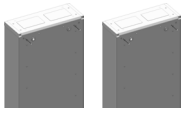


x2



x2

xC

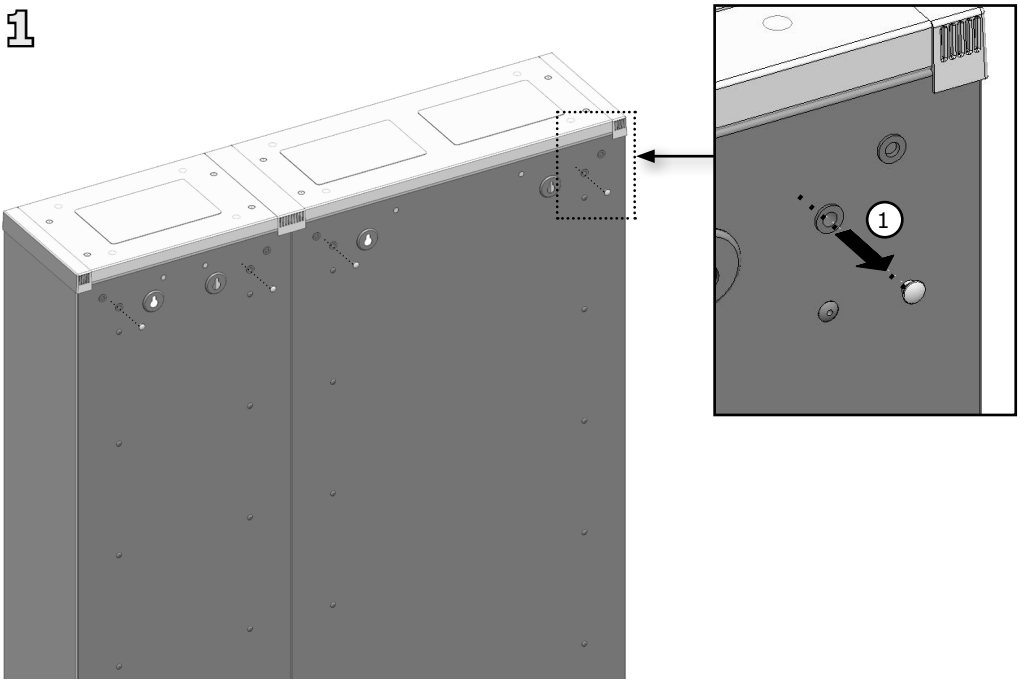


C=1

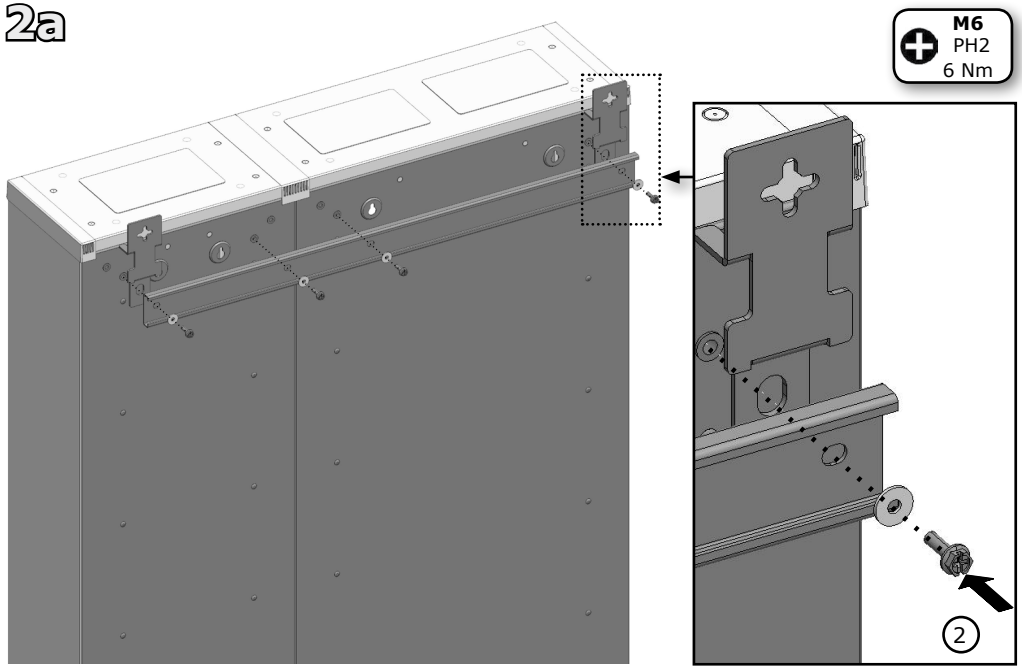


C=2

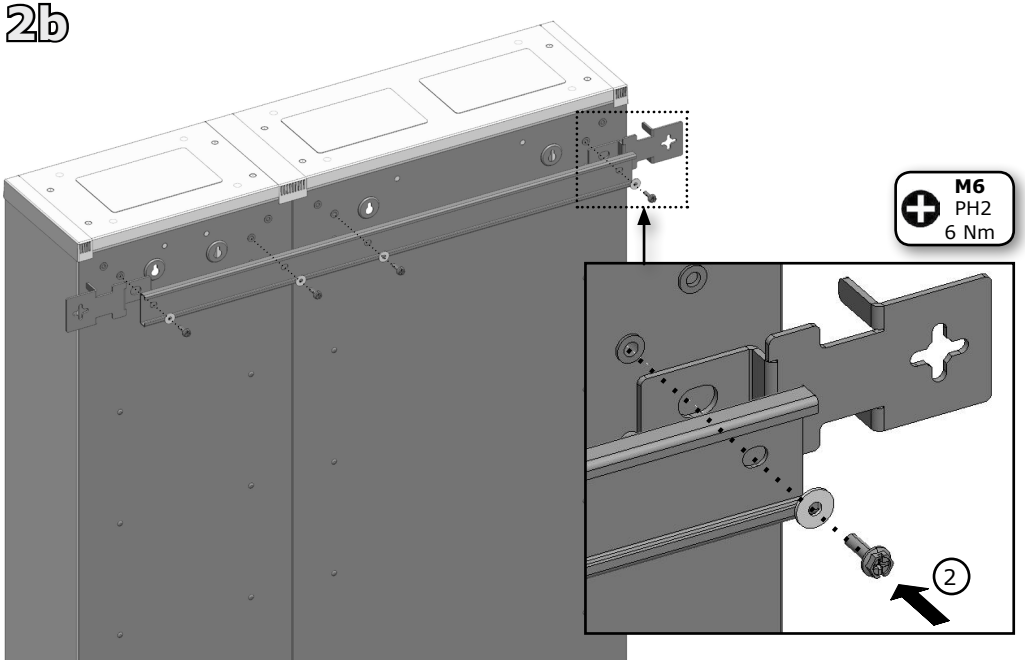
1

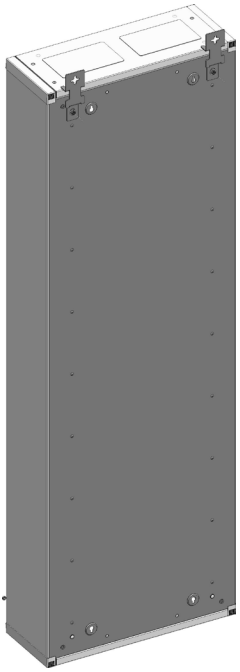


2a

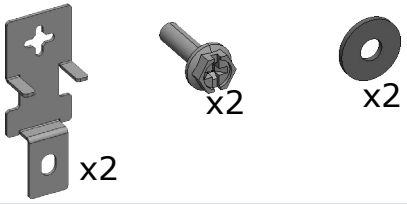


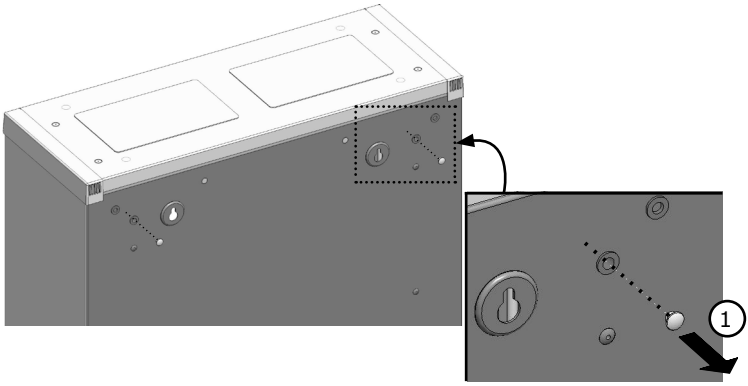
2b

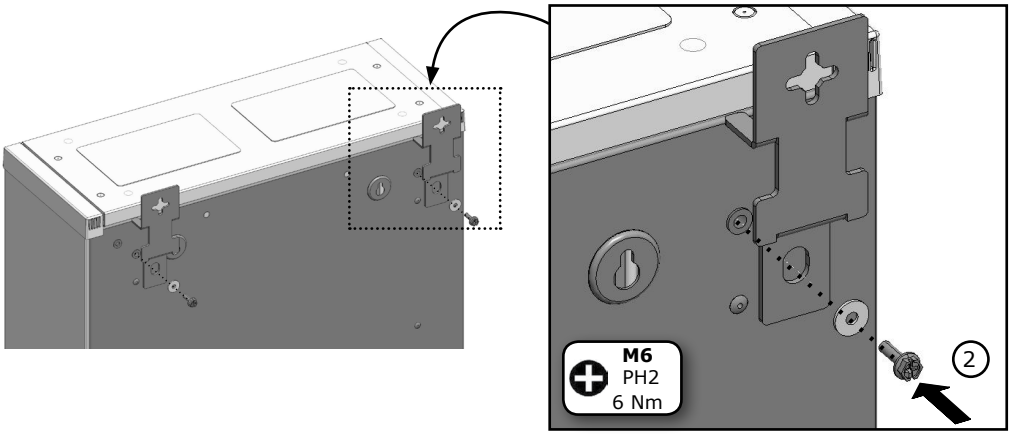


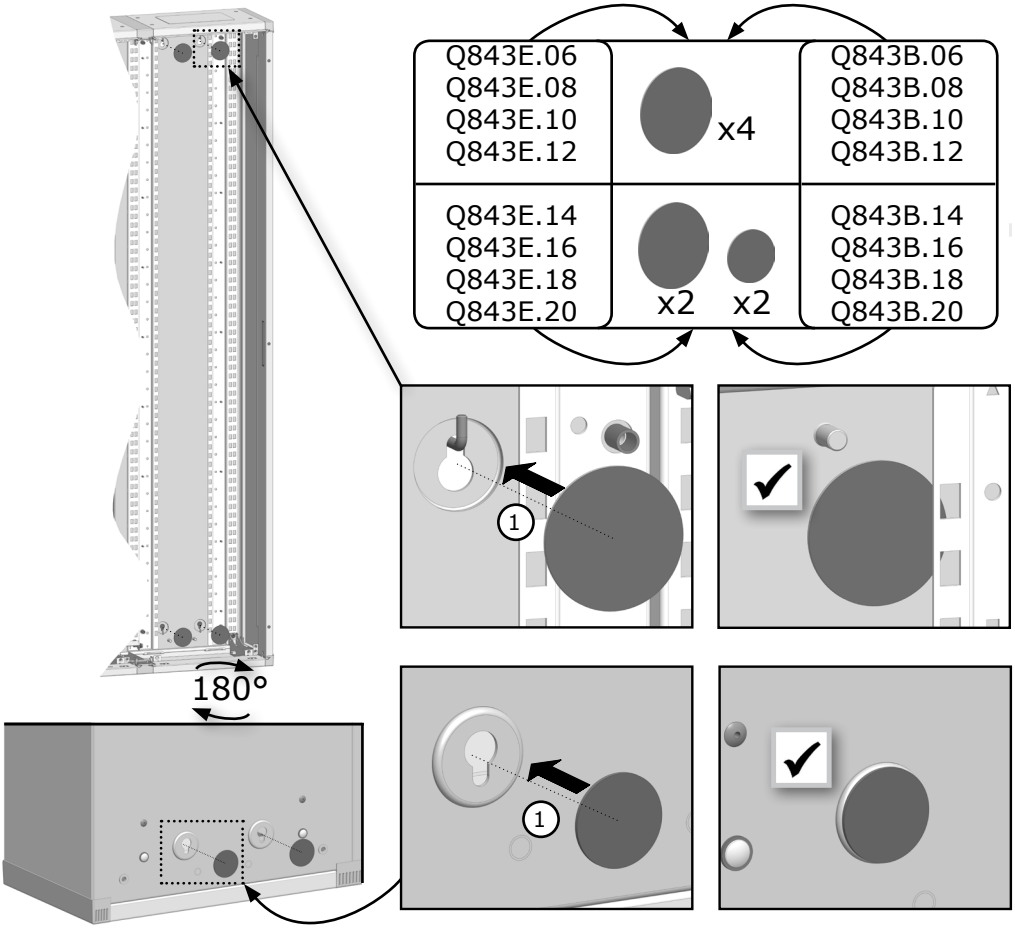


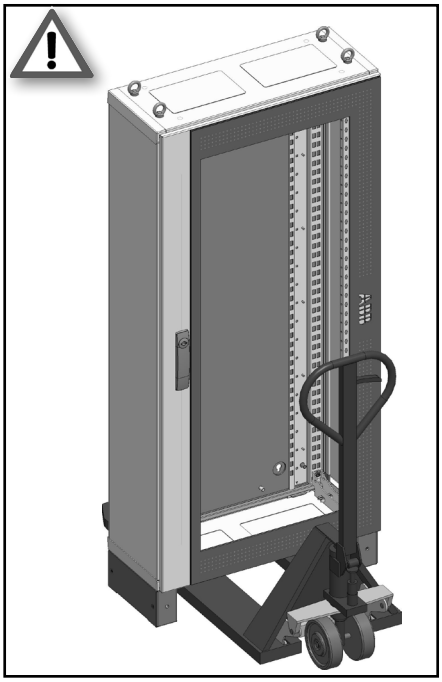
Q800R00P2

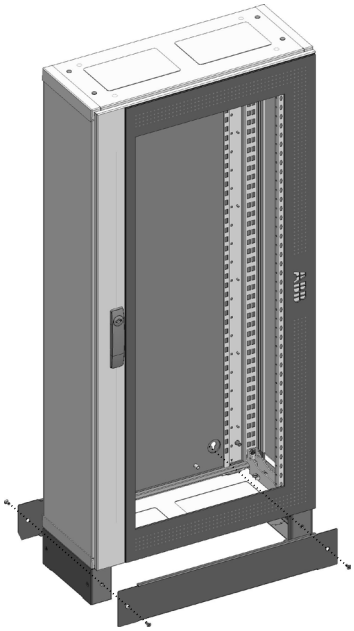


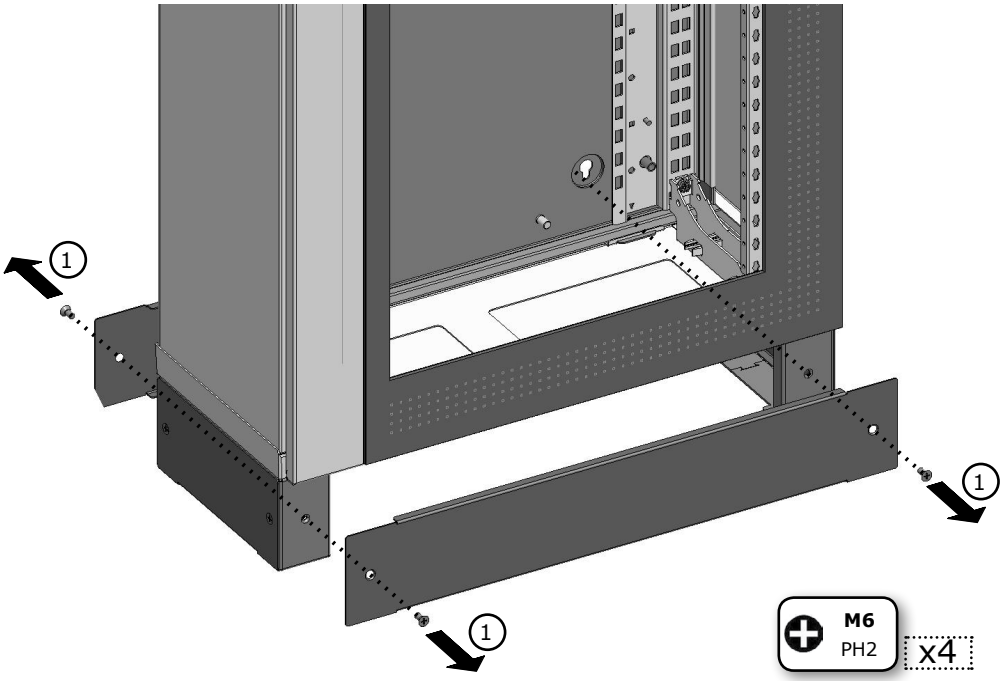


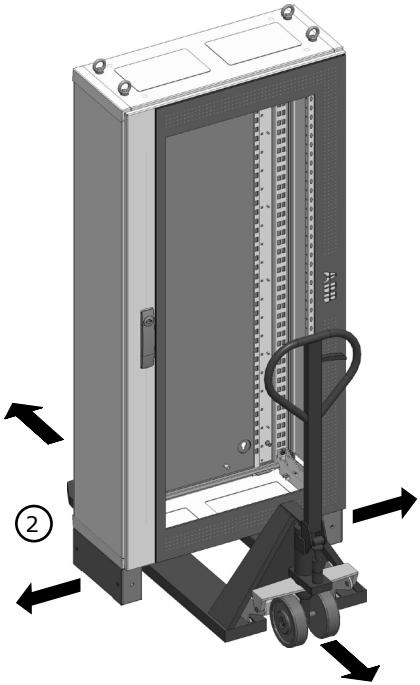

M6
PH2
6 Nm
2

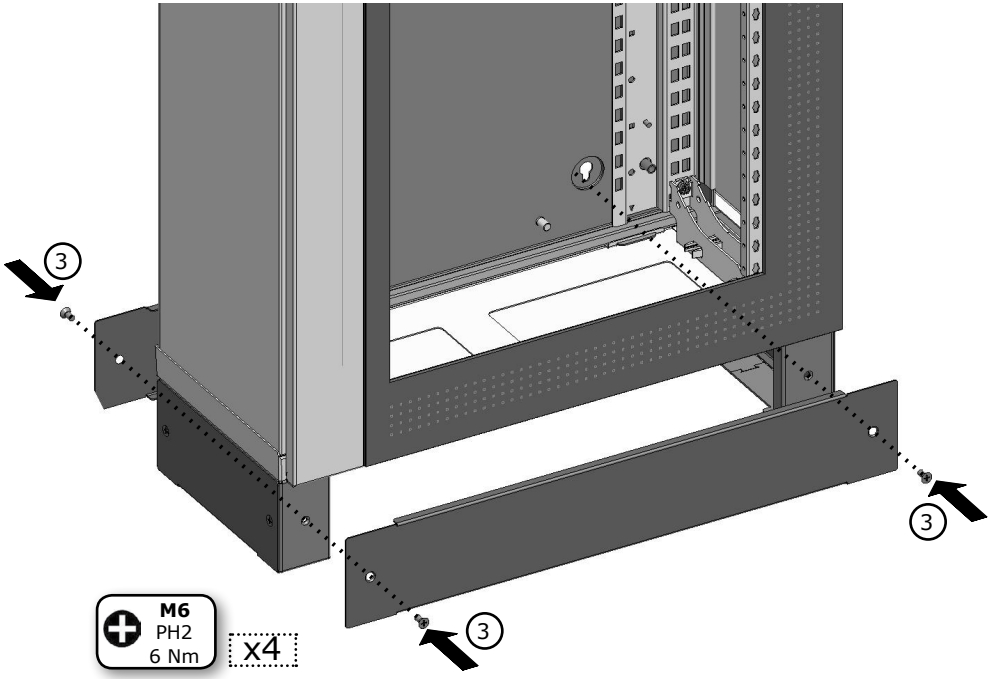

Q843E.06
Q843E.08
Q843E.10
Q843E.12
x4
Q843B.06
Q843B.08
Q843B.10
Q843B.12
Q843E.14
Q843E.16
Q843E.18
Q843E.20
x2
x2
Q843B.14
Q843B.16
Q843B.18
Q843B.20
1
180°
1

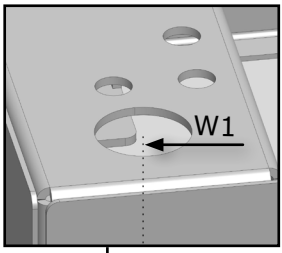




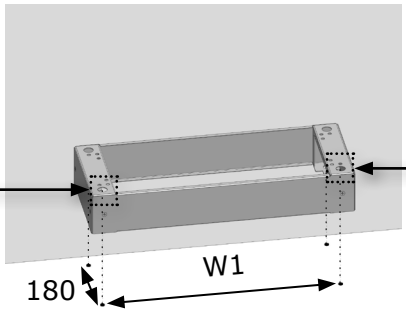

1
1
1
M6
PH2
x4

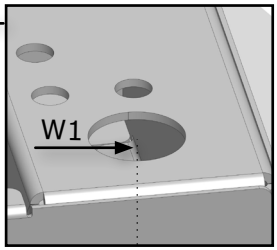

2

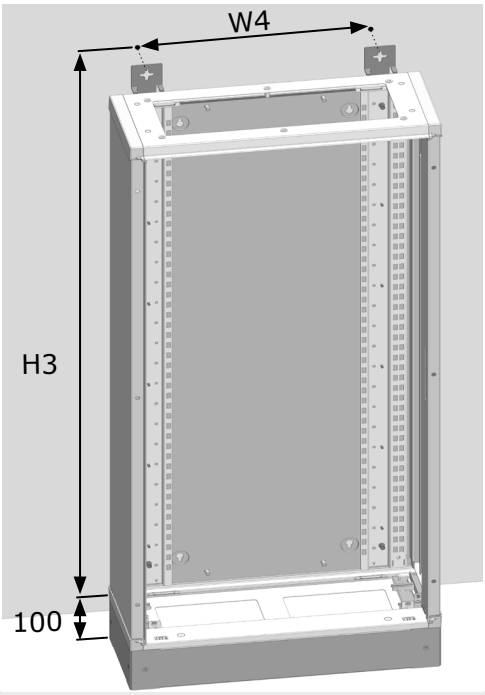

3
3
3
M6
PH2
6 Nm
x4

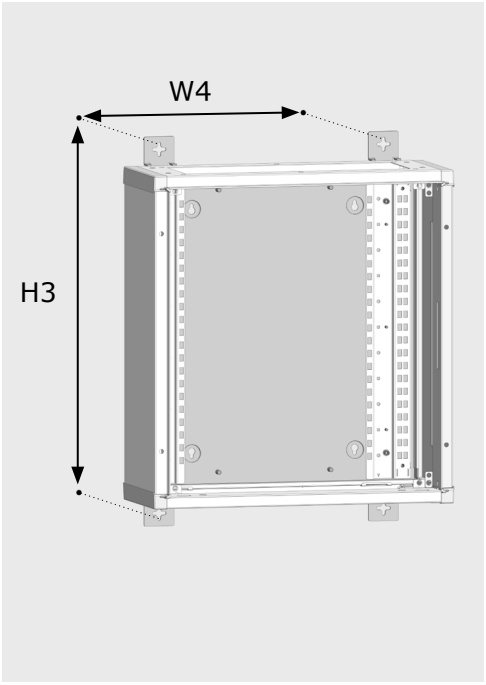


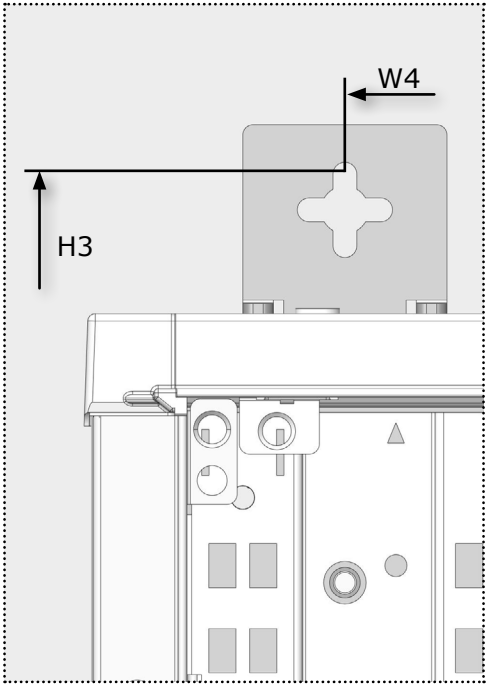
External dimensions Width x depth in mm	
Type	**W1**
Q855P401	327
Q855P601	543
Q855P801	759

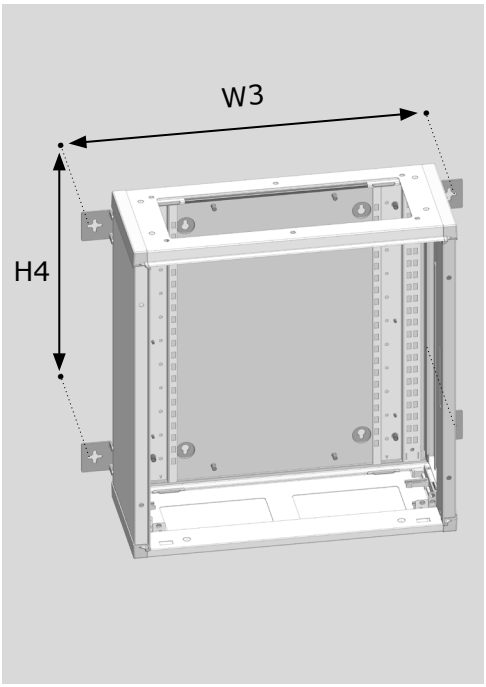


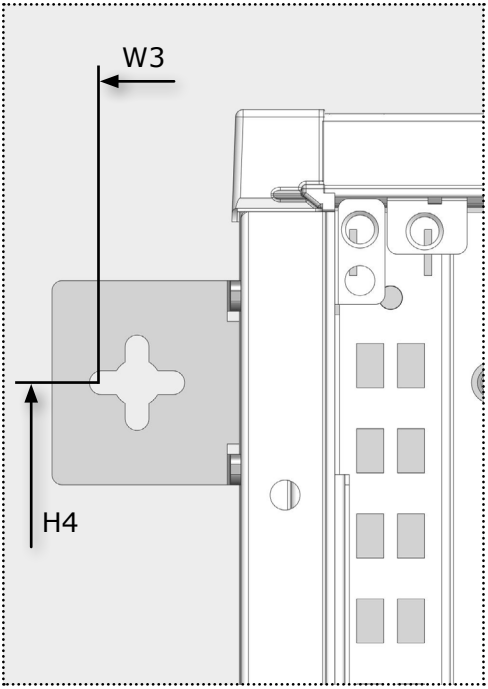


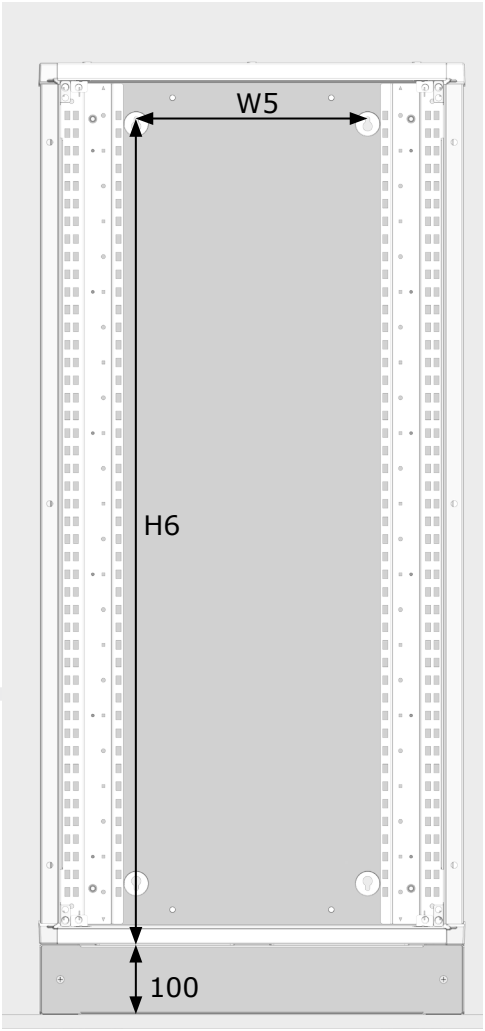


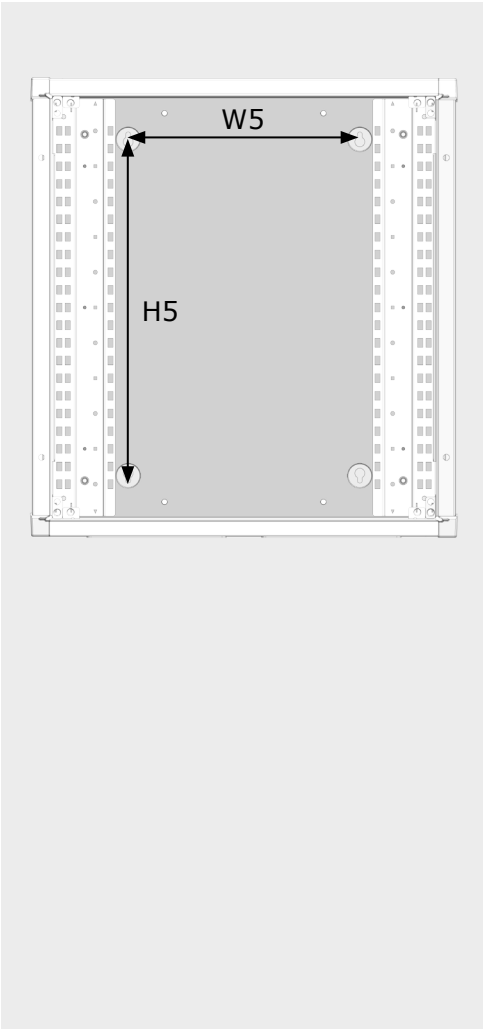

W4
H3

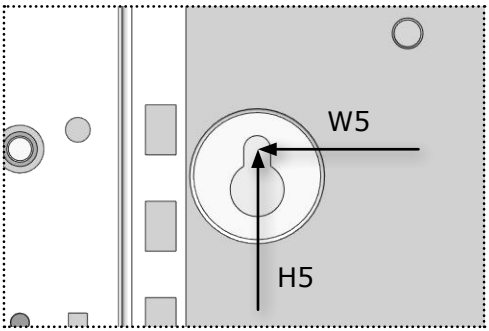

W4
H3

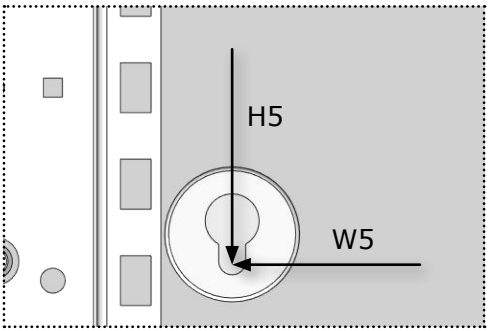

W3
H4


W3
H4

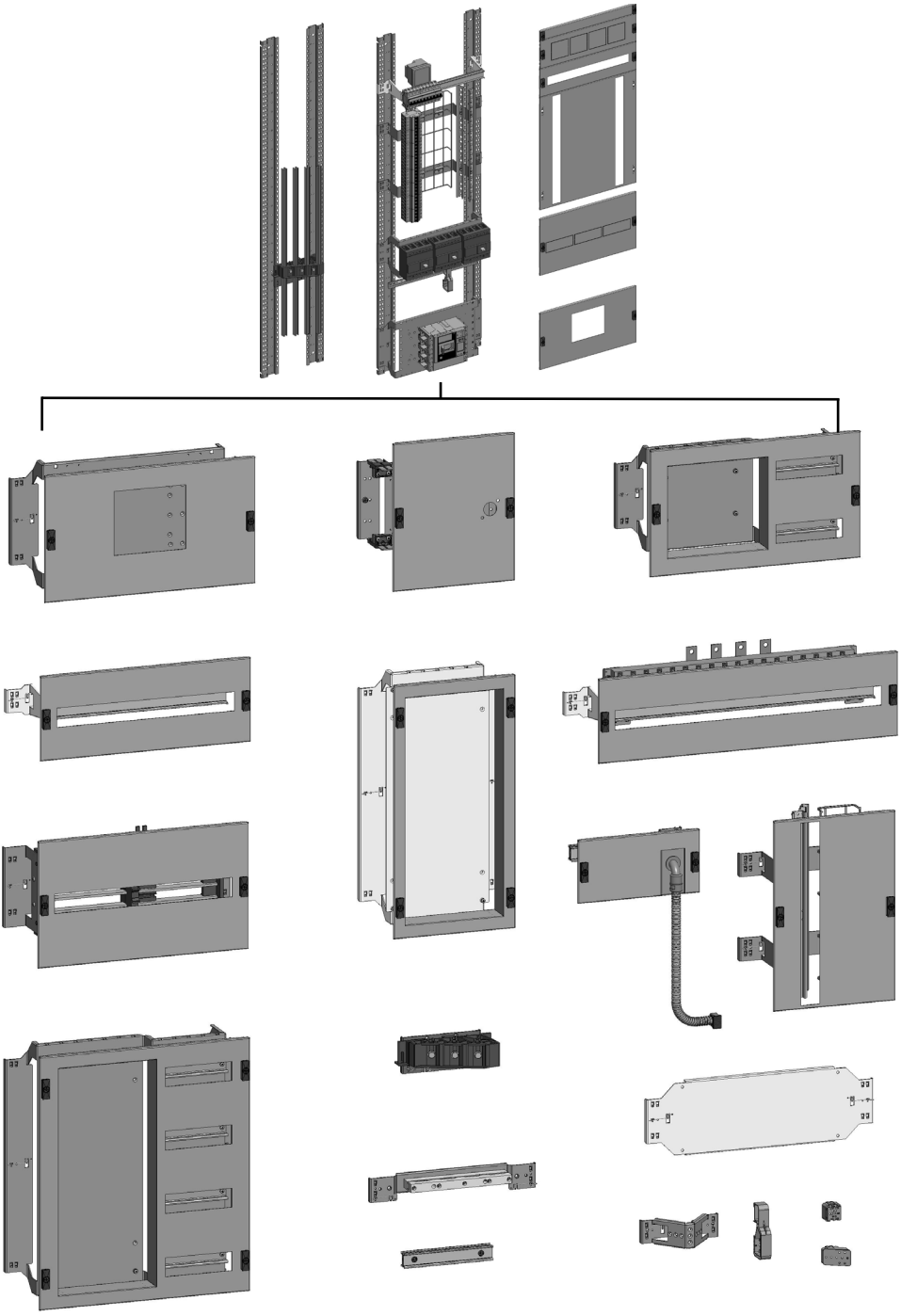

W5
H6
100


W5
H5

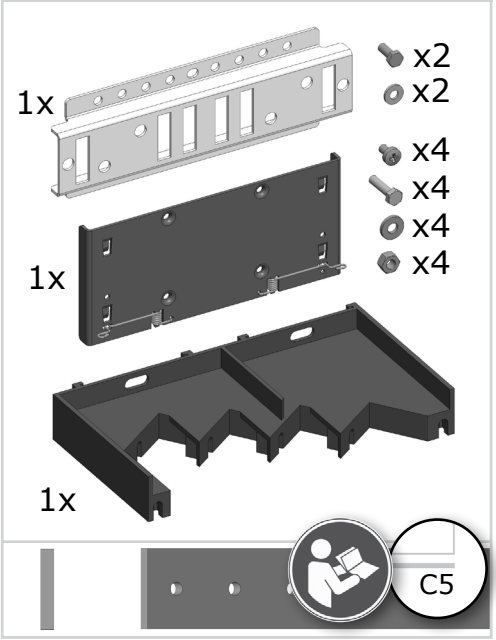

W5
H5


H5
W5

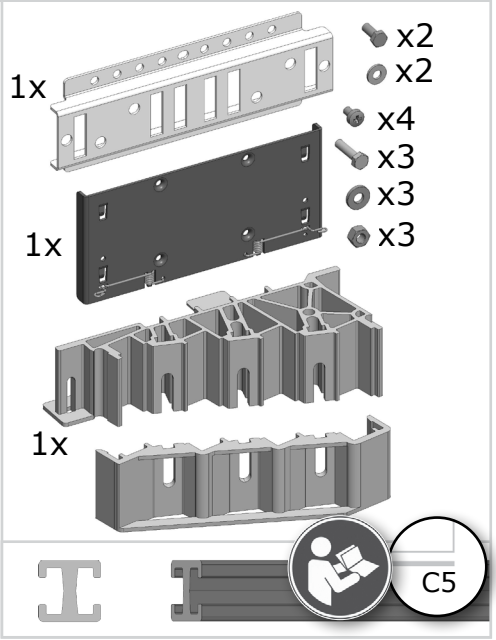
Cabinet			Wall fastening dimensions						
H	**W**	**D**	**H3**	**W3**	**H4**	**W4**	**W5**	**H5**	**H6**
600	400	250	731	466	490	235	112	490	570
800	400	250	931	466	690	235	112	690	770
1000	400	250	1131	466	890	235	112	890	970
1200	400	250	1331	466	1090	235	112	1090	1170
1400	400	250	1531	466	1290	235	112	1290	1370
1600	400	250	1731	466	1490	235	112	1490	1570
1800	400	250	1931	466	1690	235	112	1690	1770
2000	400	250	2131	466	1890	235	112	1890	1970
600	600	250	731	682	490	451	328	490	570
800	600	250	931	682	690	451	328	690	770
1000	600	250	1131	682	890	451	328	890	970
1200	600	250	1331	682	1090	451	328	1090	1170
1400	600	250	1531	682	1290	451	328	1290	1370
1600	600	250	1731	682	1490	451	328	1490	1570
1800	600	250	1931	682	1690	451	328	1690	1770
2000	600	250	2131	682	1890	451	328	1890	1970
600	800	250	731	898	490	667	544	490	570
800	800	250	931	898	690	667	544	690	770
1000	800	250	1131	898	890	667	544	890	970
1200	800	250	1331	898	1090	667	544	1090	1170
1400	800	250	1531	898	1290	667	544	1290	1370
1600	800	250	1731	898	1490	667	544	1490	1570
1800	800	250	1931	898	1690	667	544	1690	1770
2000	800	250	2131	898	1890	667	544	1890	1970



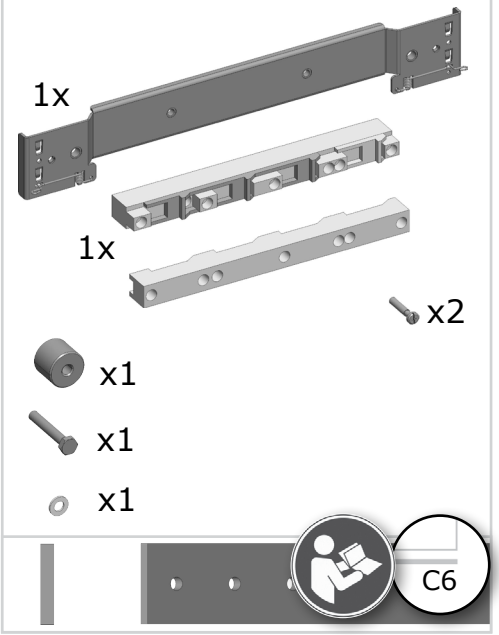
QR6V4FS01



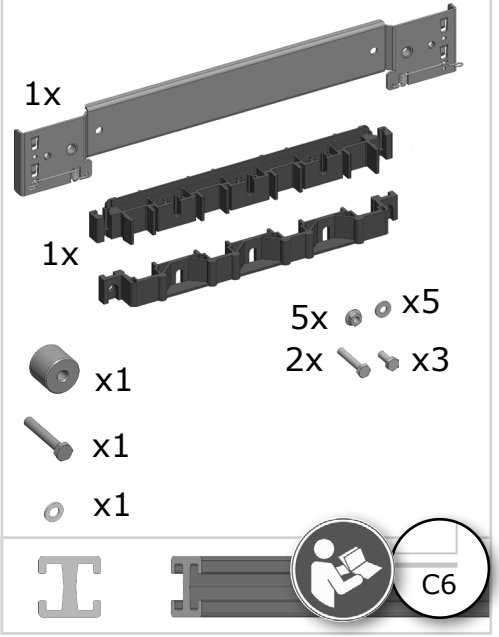
QR8V4SS01

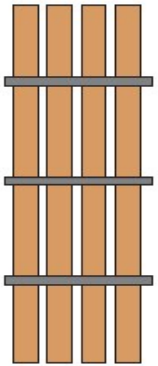


QR6V.FF01



QR8V.SF01

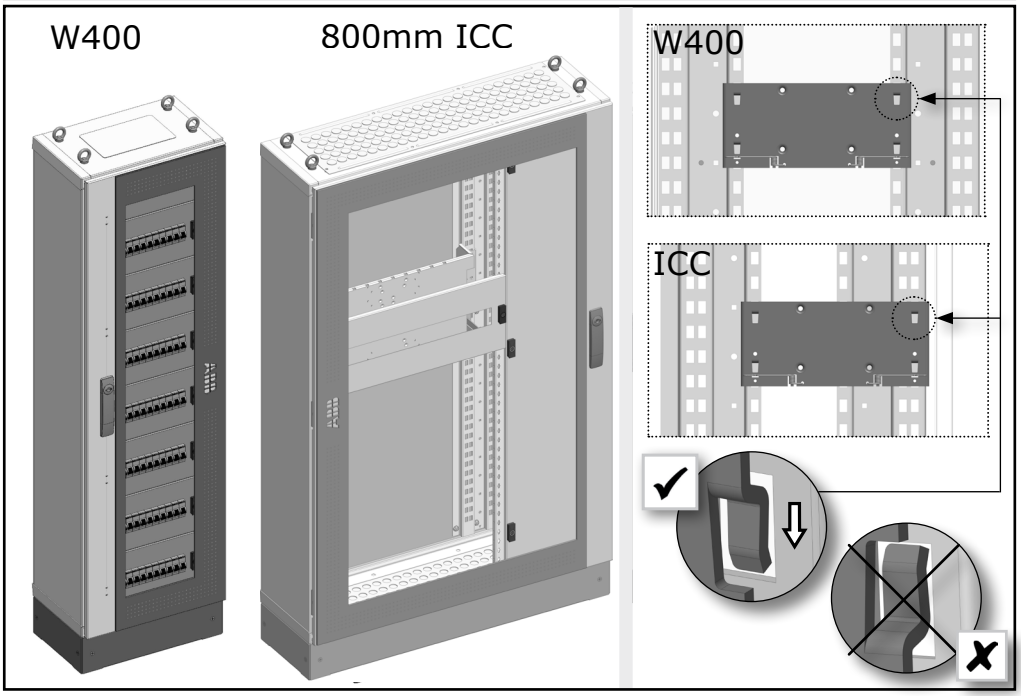


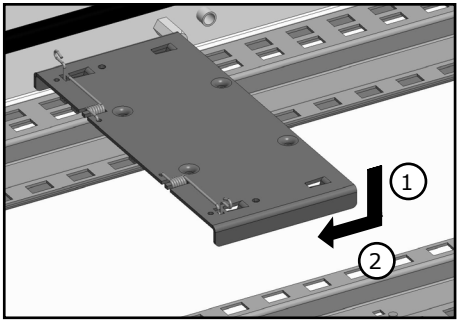


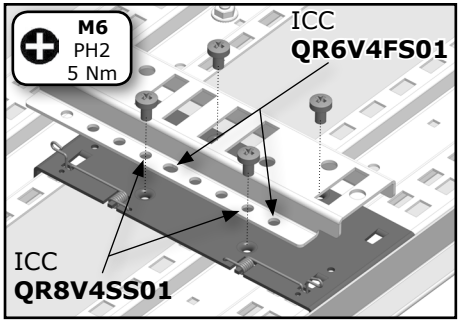
The distance between the first busbar holder and the end of the busbar must not exceed 1/4 of "X"

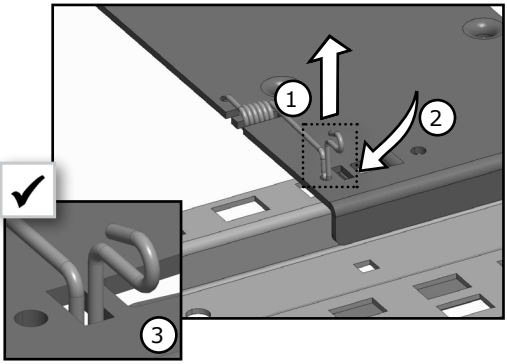
System pro E energy Combi
Busbar system vertical
Table for rated peak withstand current Ipk/rated short-time withstand current Icw(1sec.)

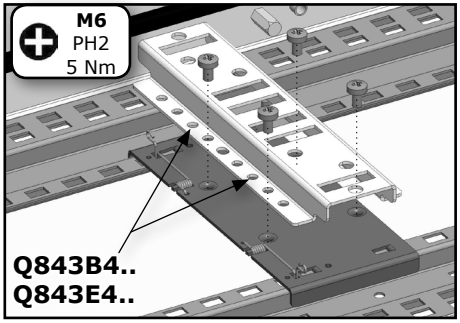
Busbar Type	cross-section	In in A	Busbar support	No. of busbars per phase	Max. X (mm)	Max. X (mm)	Max. X (mm)
Busbar support linear for flat busbars					17kA	23 kA	32kA
QR02F2005	20x5	250	QR6V6FF01 QR6V8FF01	1	250	-	-
QR02F2010	20x10	400		1	-	250	-
QR02F3010	30x10	630		1	-	-	250
Busbar support scaled for flat busbars							
QR02F2005	20x5	250	QR6V4FS01	1	100	-	-
QR02F2010	20x10	400		1	-	100	-
QR02F3010	30x10	630		1	-	100	-
Busbar support linear for shaped busbars							
BA0400		400	QR8V6SF01	1	-	400	-
BA0800		800	QR8V8SF01	1	-	-	400
Busbar support scaled for shaped busbars							
BA0400		400	QR8V4SS01	1	-	400	-
BA0800		800		1	-	-	350

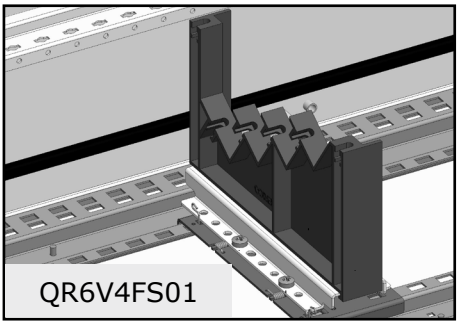

W400
800mm ICC
W400
ICC

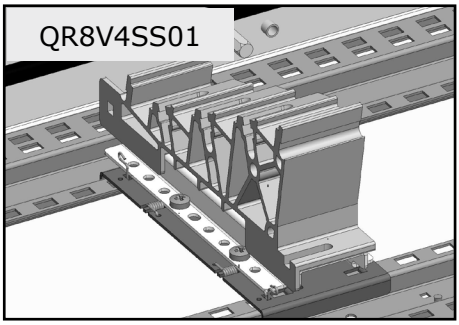

1
2

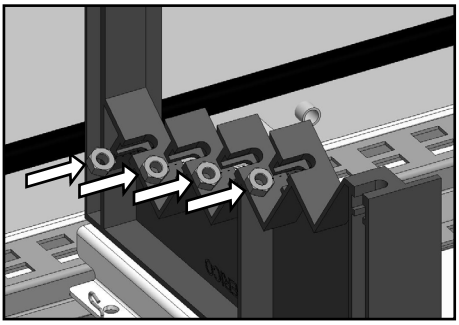

M6
PH2
5 Nm
ICC
QR6V4FS01
ICC
QR8V4SS01

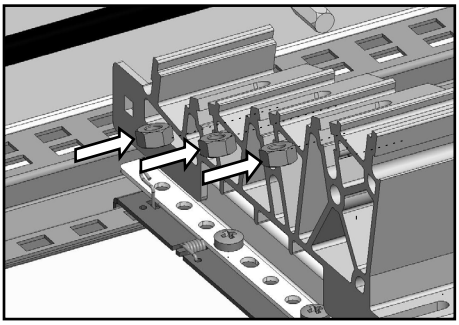

1
2
3

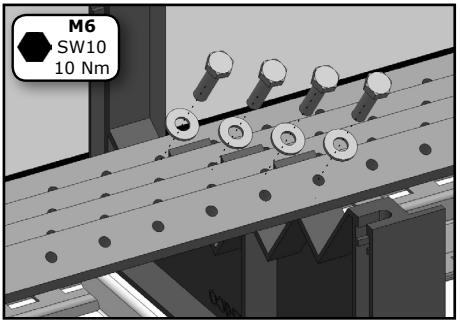

M6
PH2
5 Nm
Q843B4..
Q843E4..

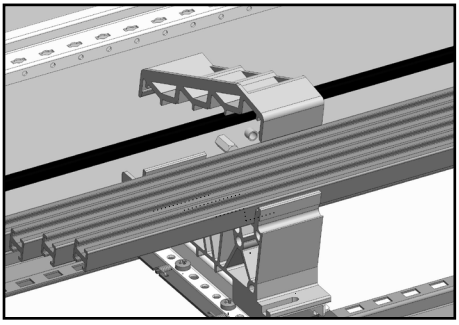

QR6V4FS01

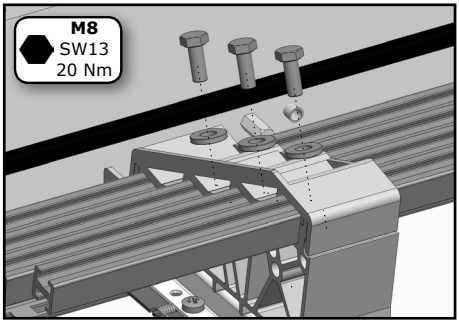

QR8V4SS01

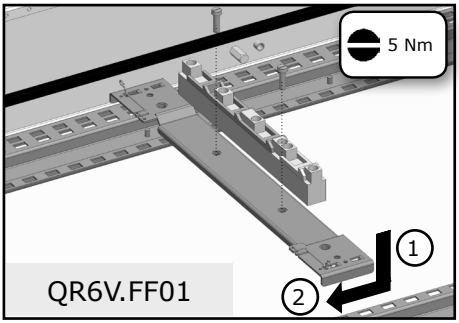


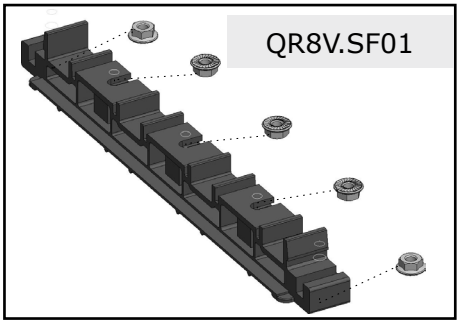


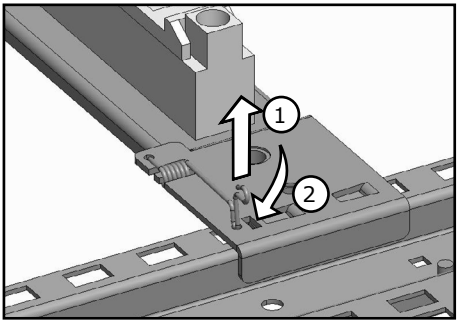

M6
SW10
10 Nm

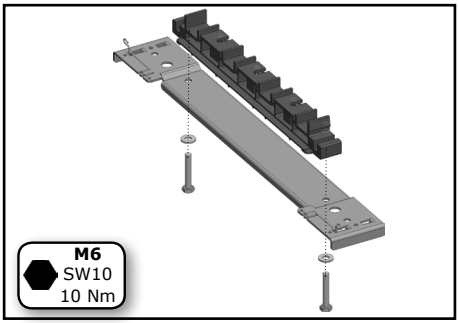


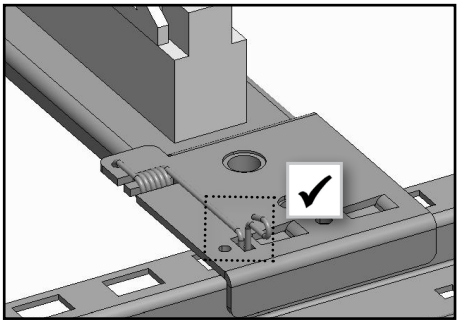

M8
SW13
20 Nm

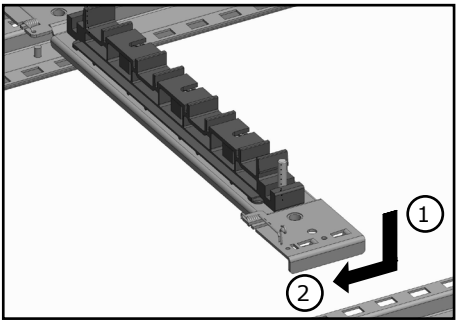

5 Nm
QR6V.FF01
1
2

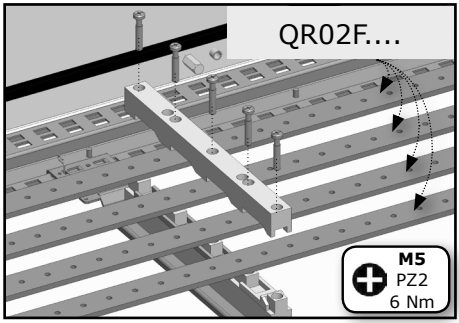

QR8V.SF01

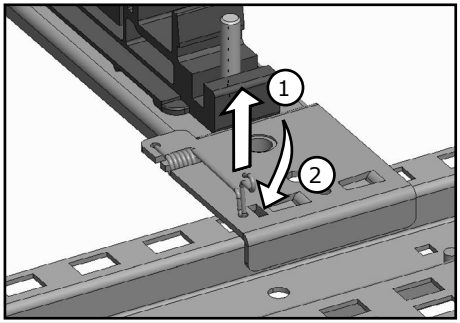

1
2

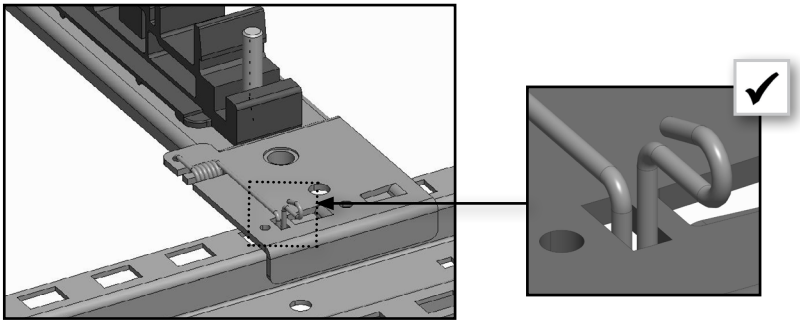

M6
SW10
10 Nm



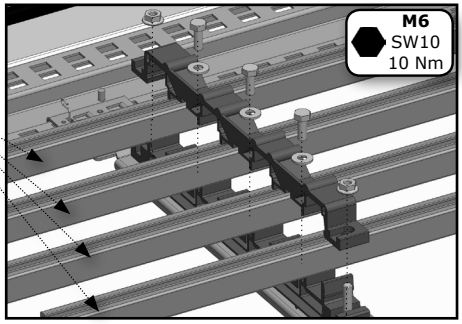

1
2


QR02F....
M5
PZ2
6 Nm

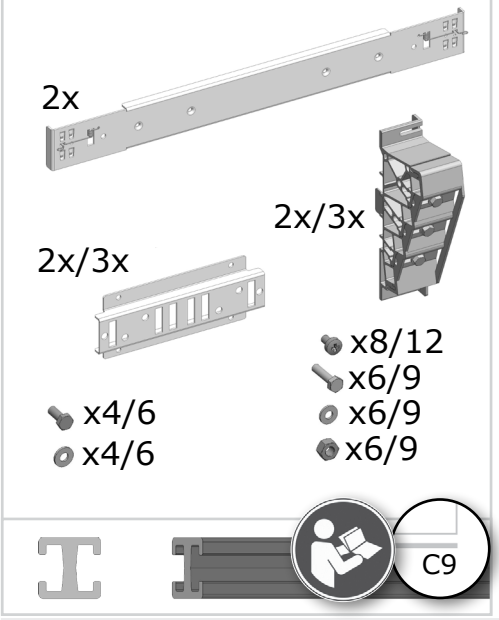

1
2



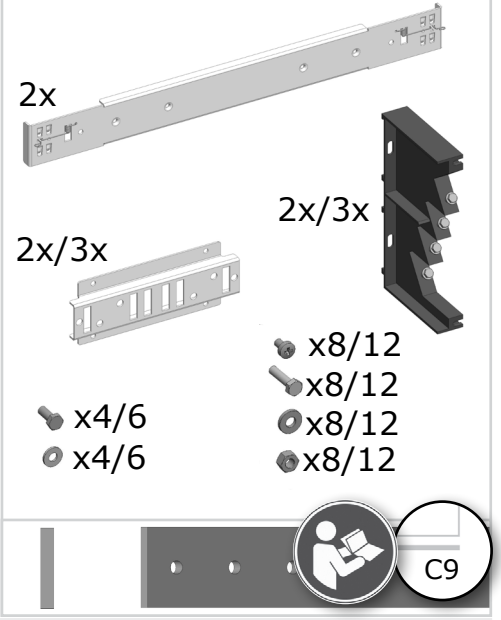
BA0400
BA0800

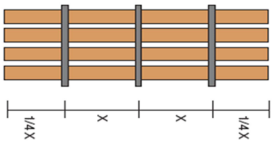


QR8H.SS01



QR6H.FS01

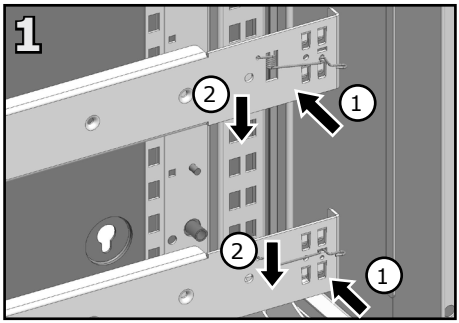


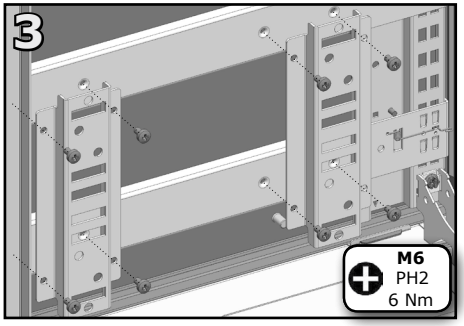


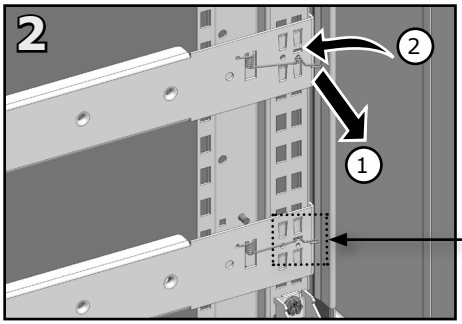
The distance between the first busbar holder and the end of the busbar must not exceed 1/4 of "X"

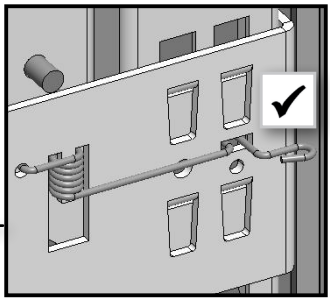
System pro E energy Combi
Busbar system horizontal
Table for rated peak withstand current Ipk/rated short-time withstand current Icw(1sec.)

Busbar Type	cross-section	In in A	Busbar support	No. of busbars per phase	Max. X=250 (mm)
Busbar support scaled for flat busbars					
QR02F2005	20x5	250	QR6H6FS01 QR6H8FS01	1	6,8kA
QR02F2010	20x10	400		1	9kA
QR02F3010	30x10	630		1	9kA
Busbar support scaled for shaped busbars					
BA0400		400	QR8H6SS01	1	23kA
BA0800		800	QR8H8SS01	1	32kA

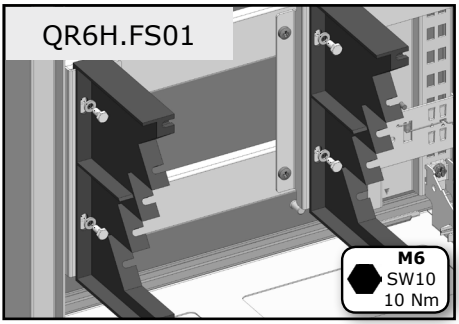


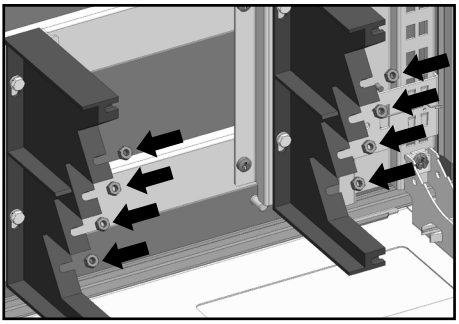




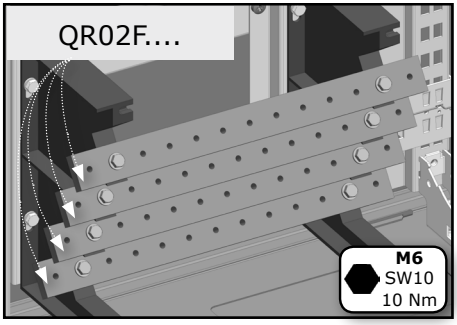


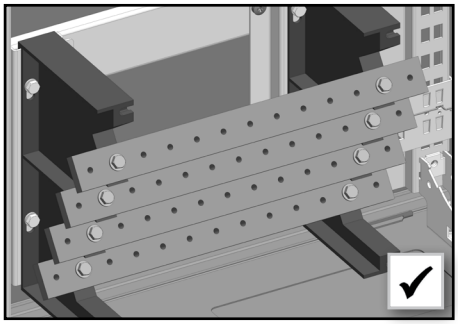
QR6H.FS01



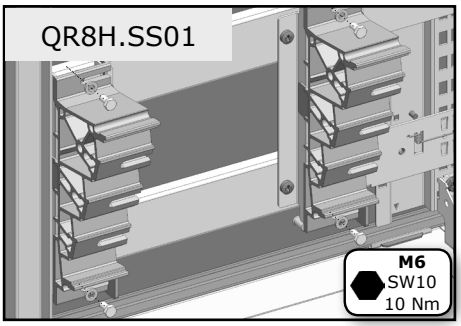


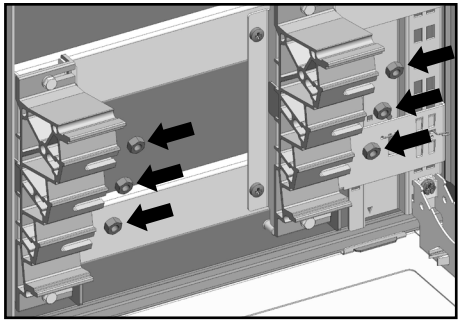
QR02F....



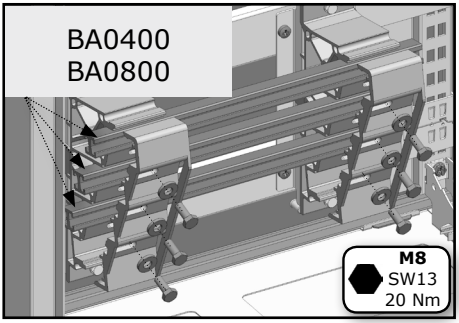


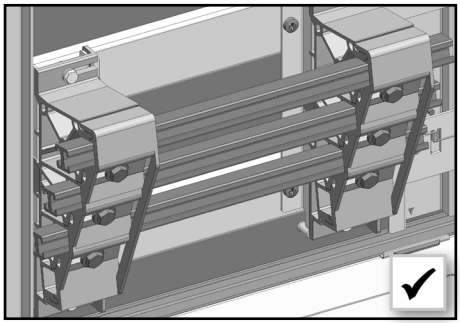
QR8H.SS01



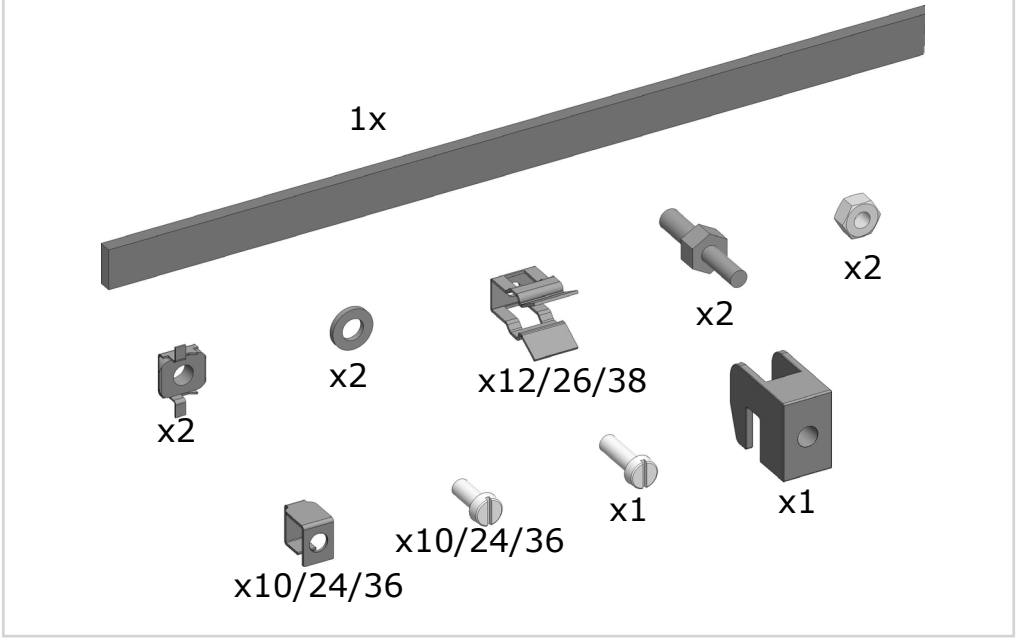


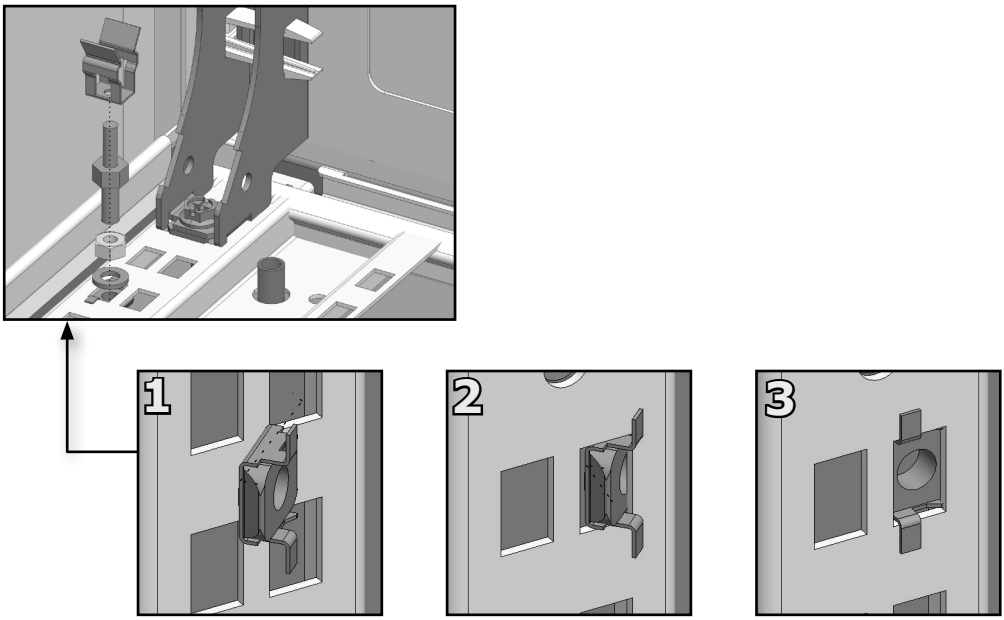
BA0400
BA0800

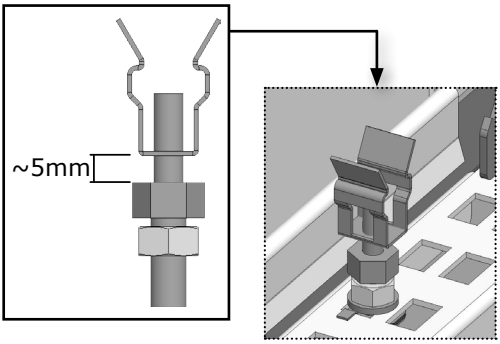


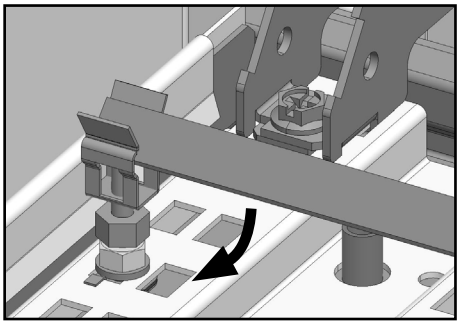


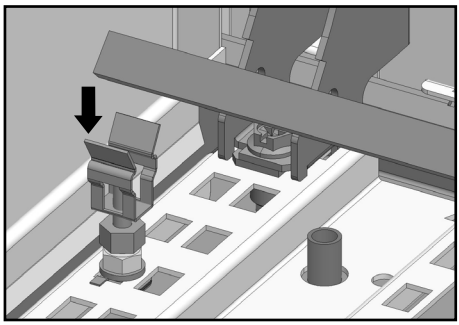
QR.PC301.

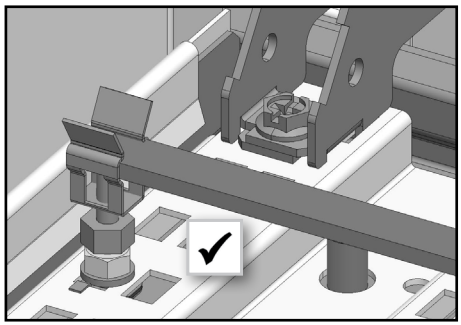


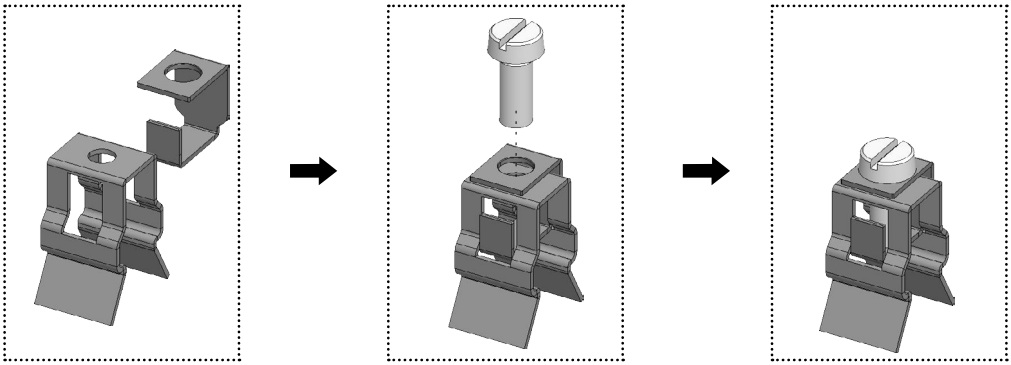


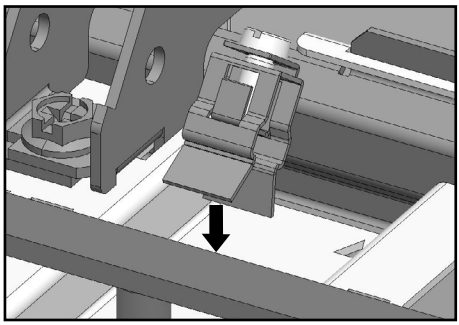

~5mm

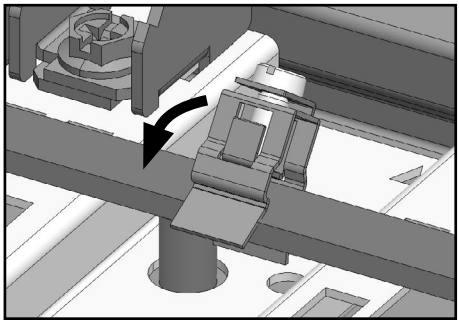


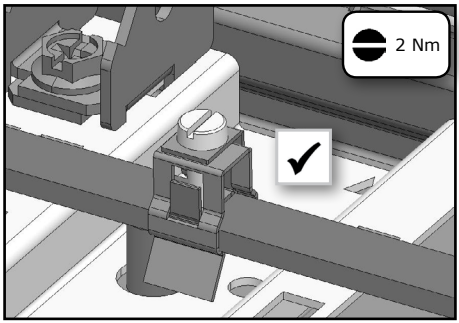


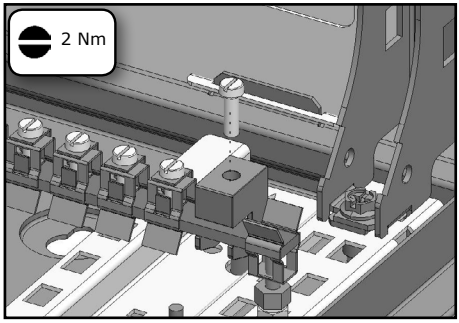


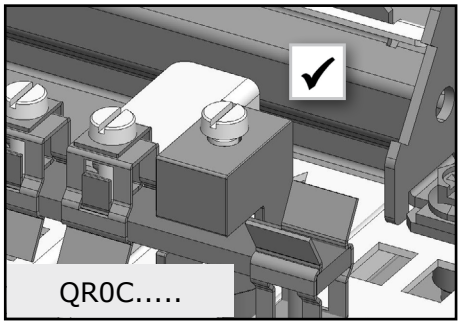




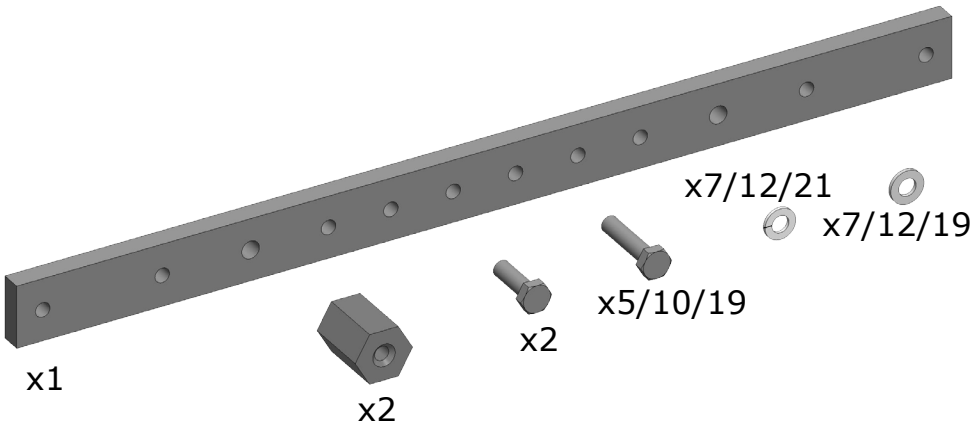


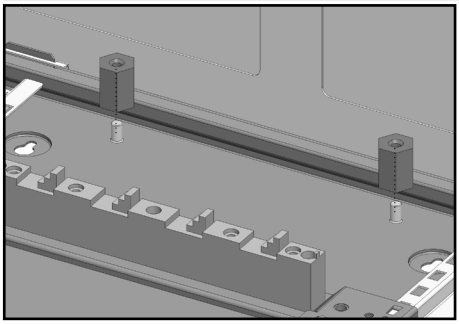


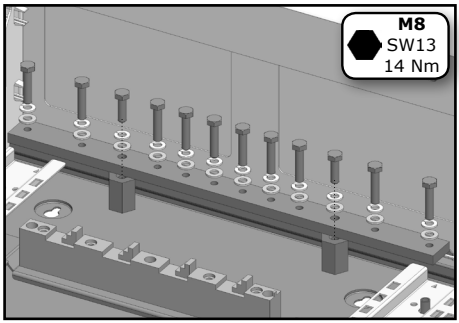




QR.HP.010







QR02F....



x1

QR.V..F01



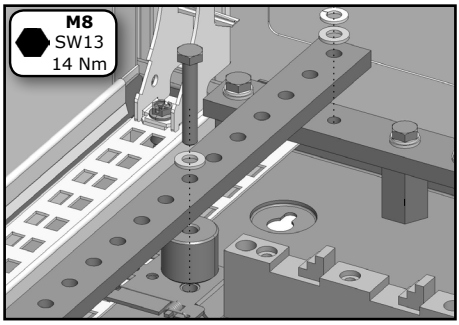
x1

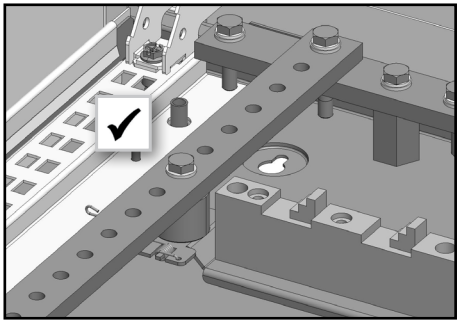


x1

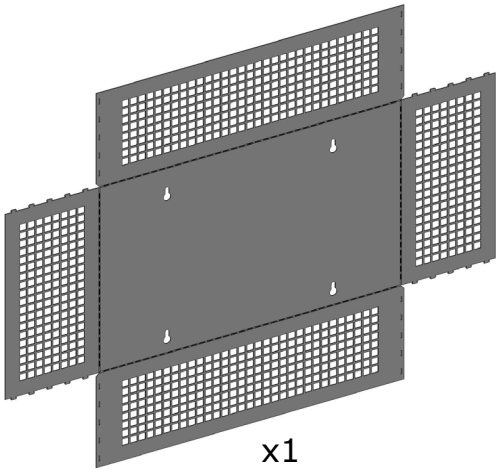


x1

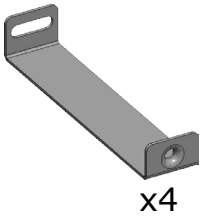


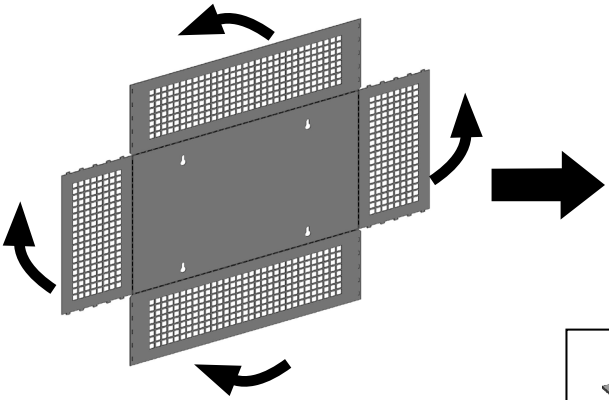


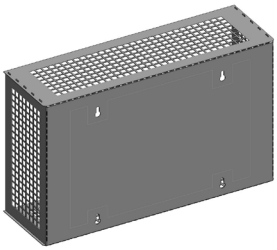
QRFH.3001

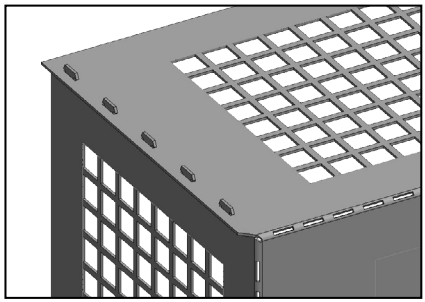




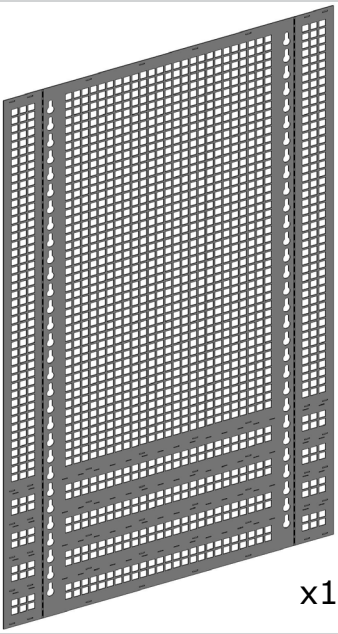




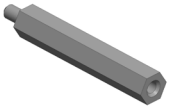




QRFV6.001



x1

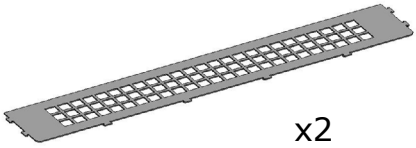


x6/8

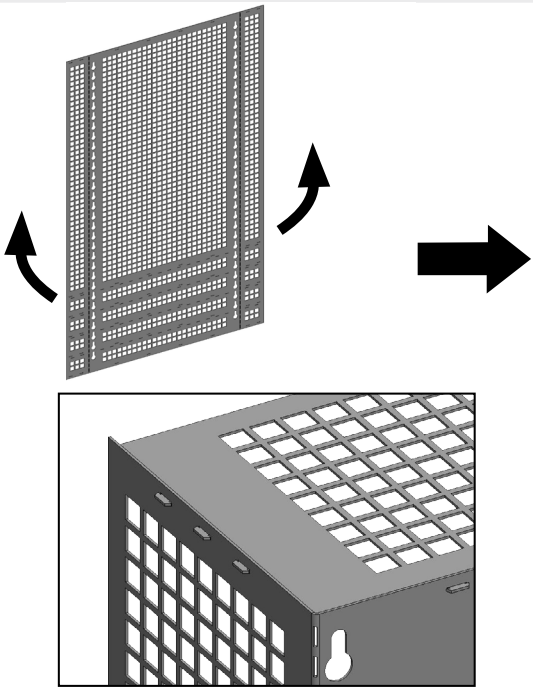


x6/8

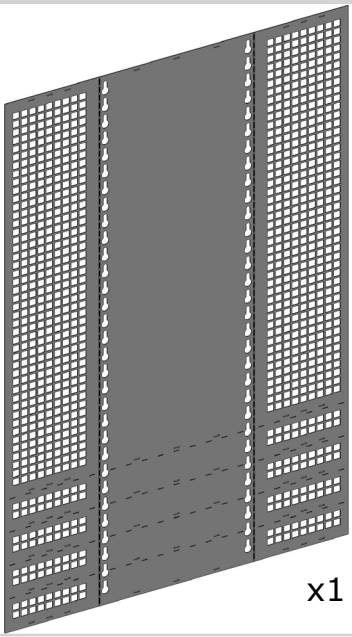
QRFV6C001



x2



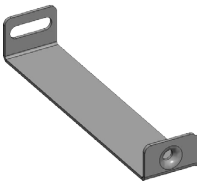
QRFV4.001



x1

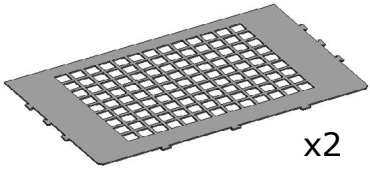


x6/8

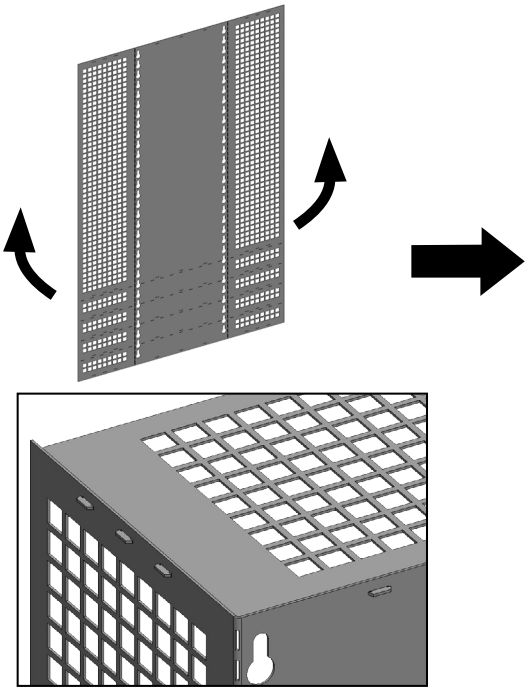


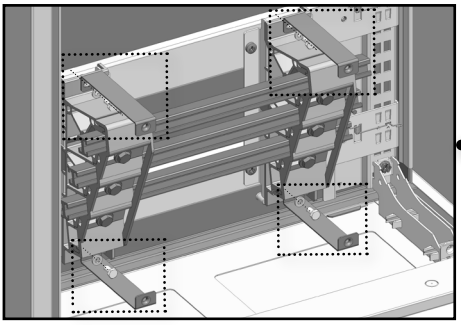
x6/8

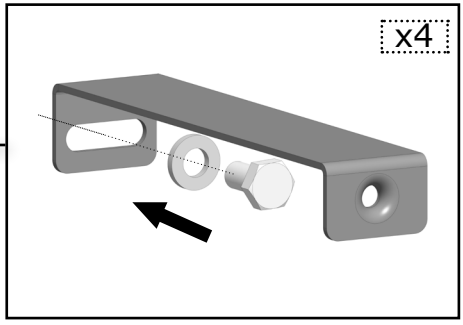
QRFV4C001

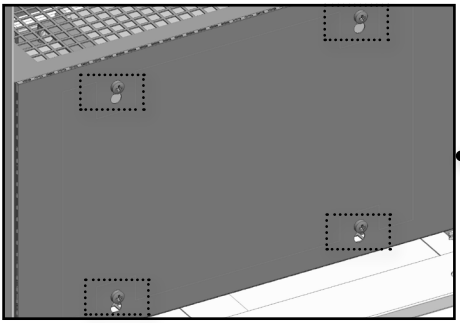


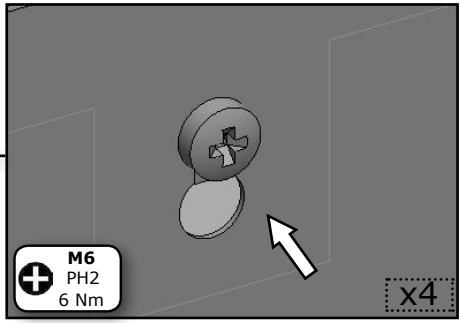
x2

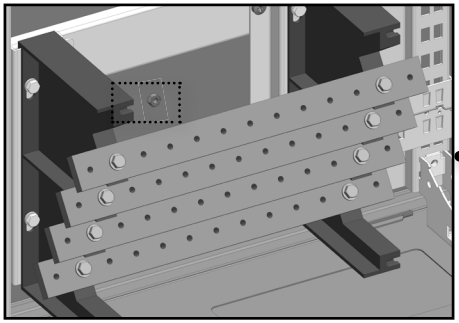


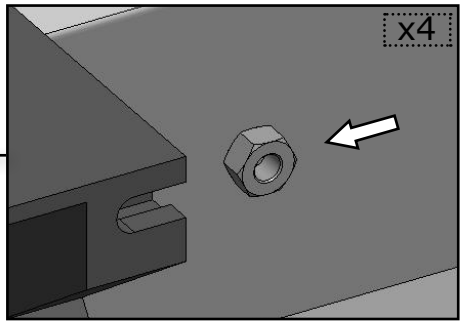


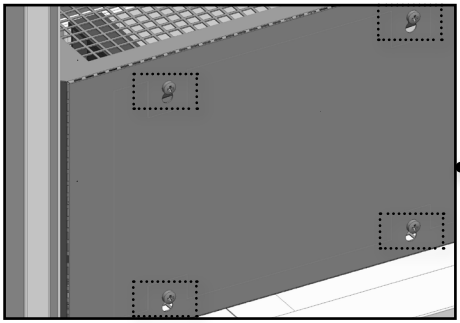

x4

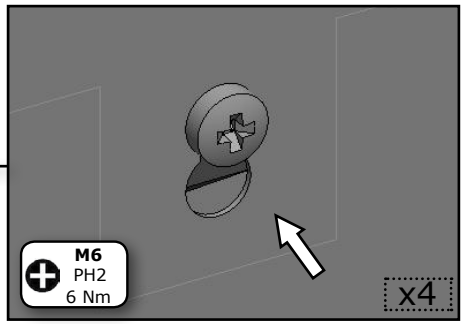


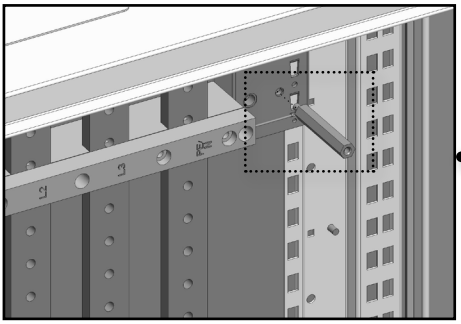

M6
PH2
6 Nm
x4

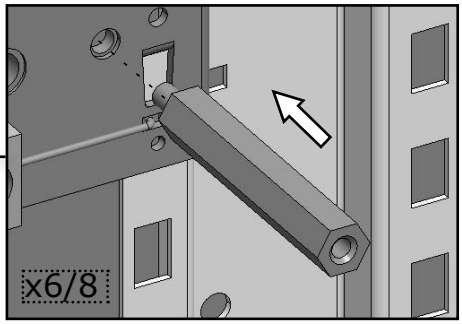


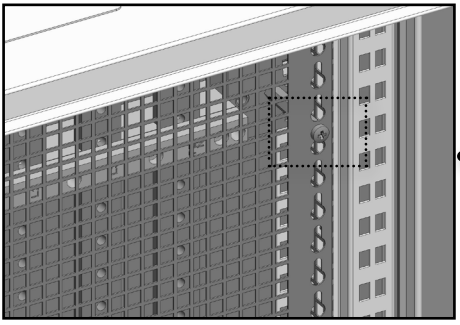

x4

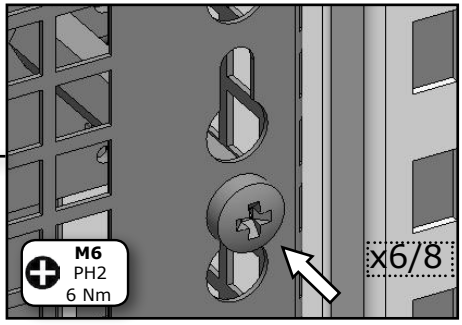


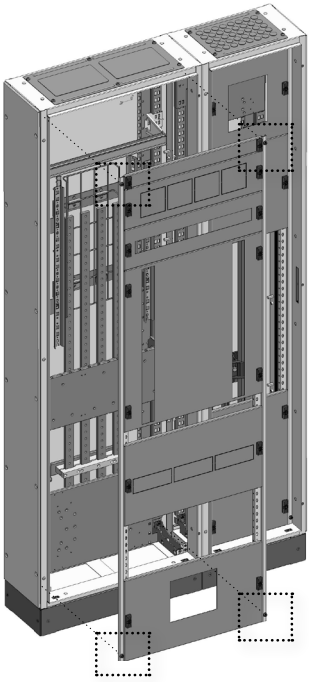

M6
PH2
6 Nm
x4

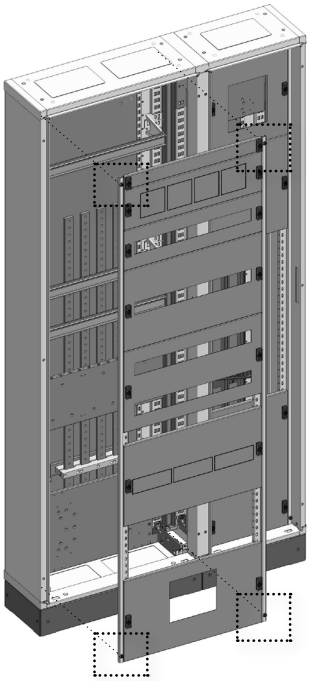


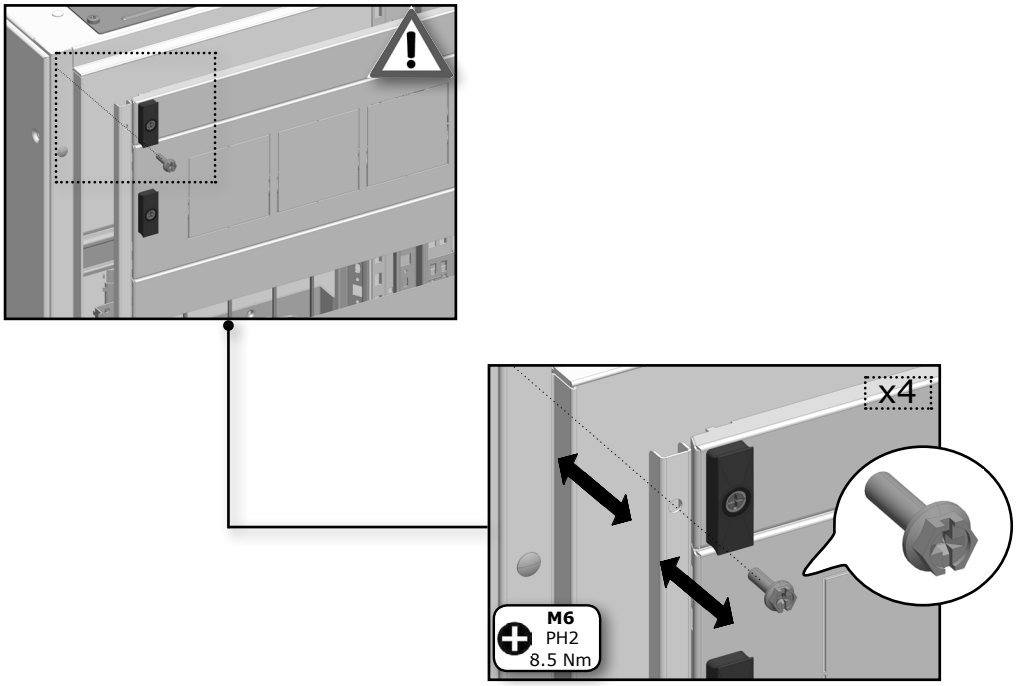

x6/8



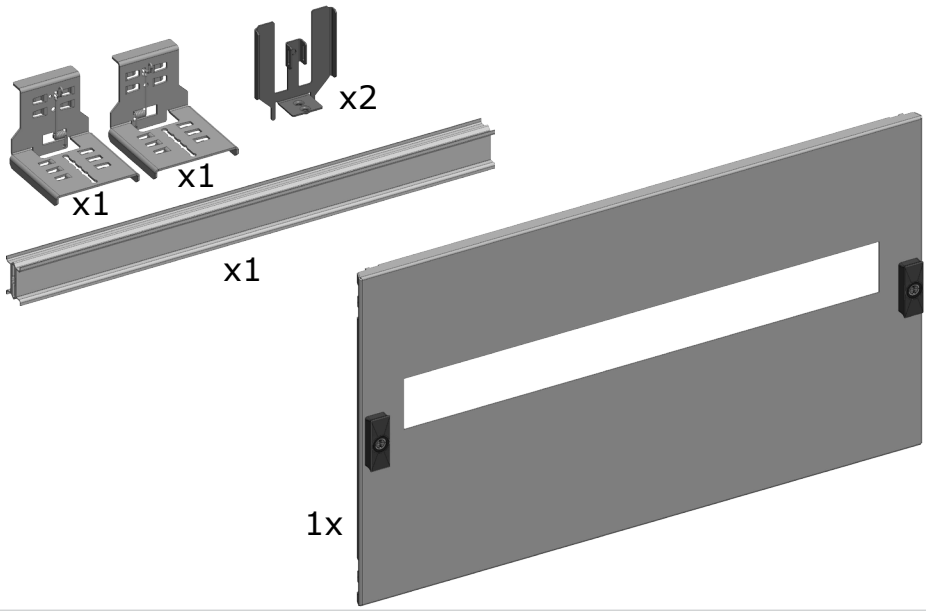

M6
PH2
6 Nm
x6/8

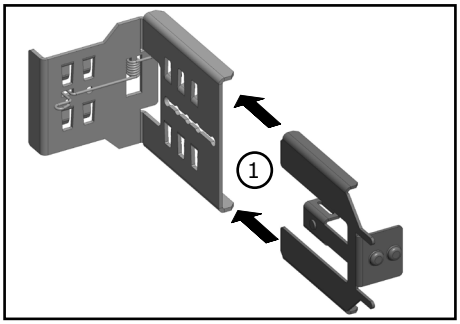


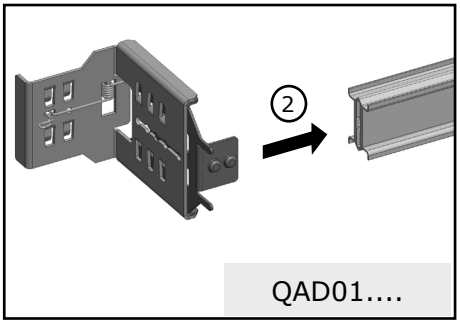


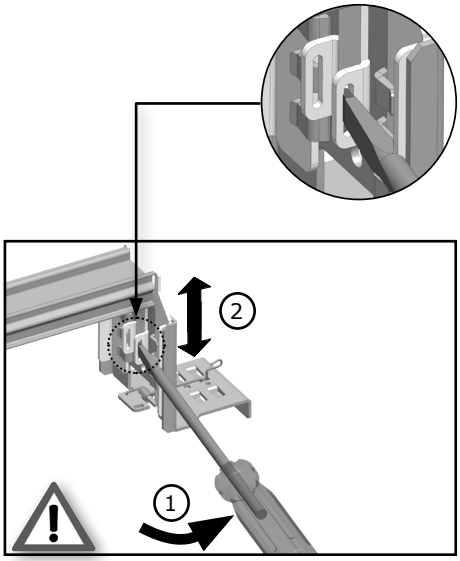


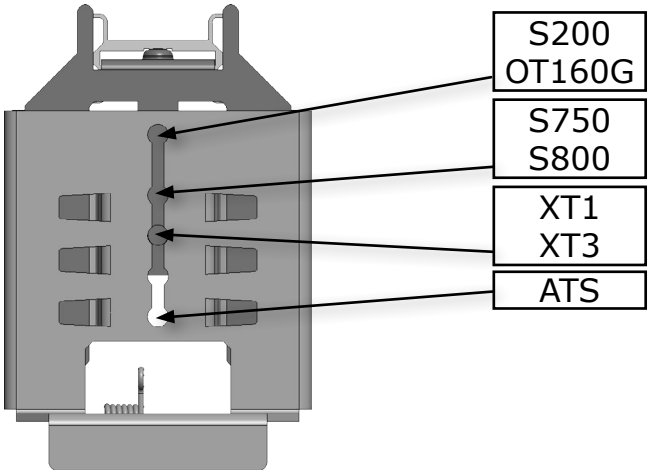
QDS1B.300 / QDS1.300A





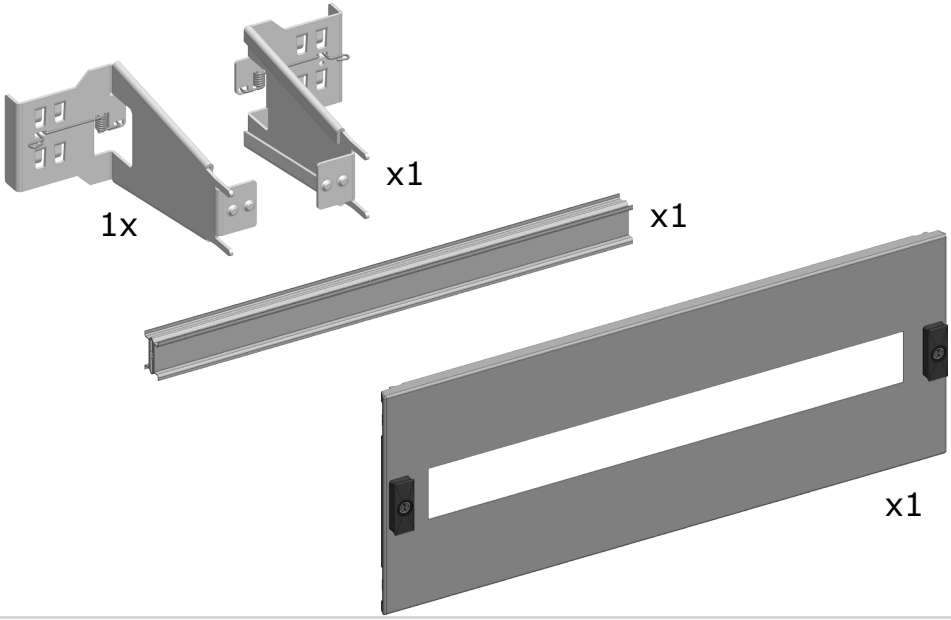




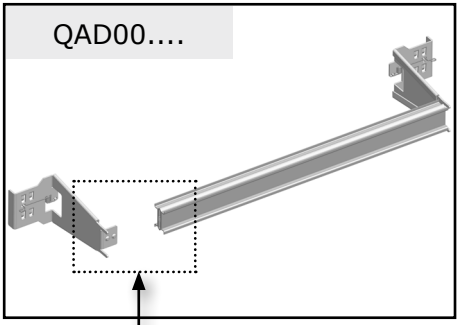


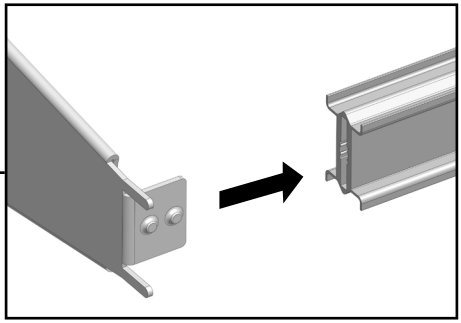
C34

QDS....00



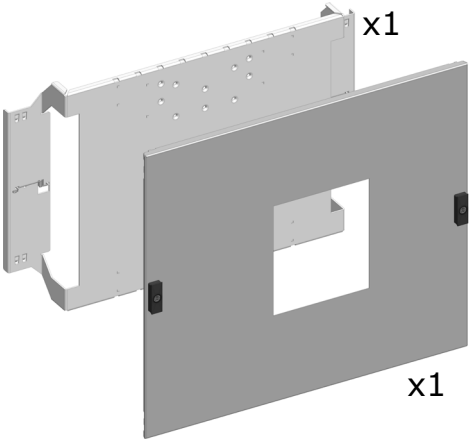
QAD00....



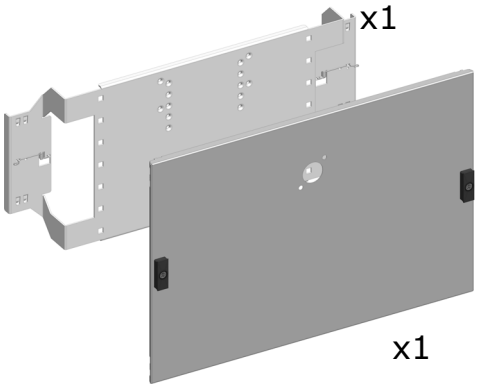


C34

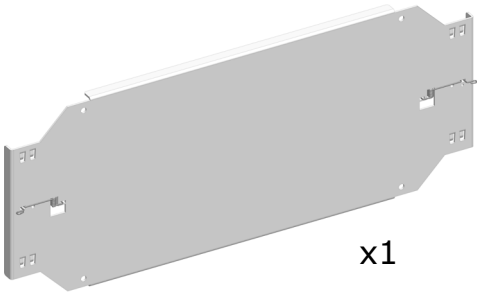
QB.....



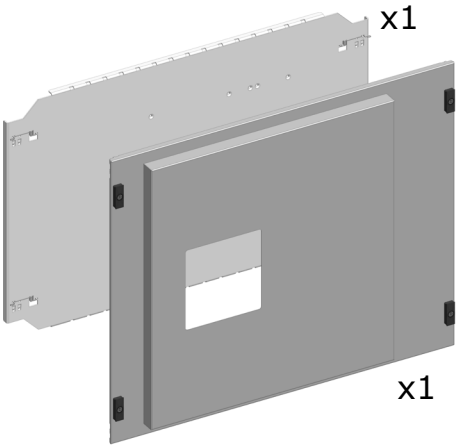
QS.....

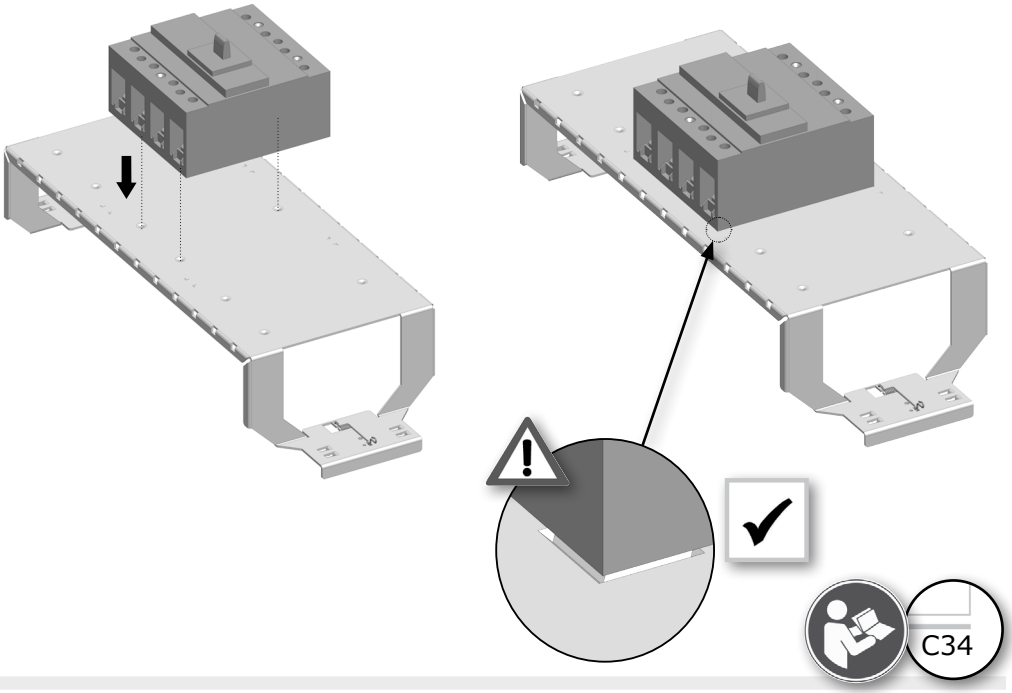


QM0.....

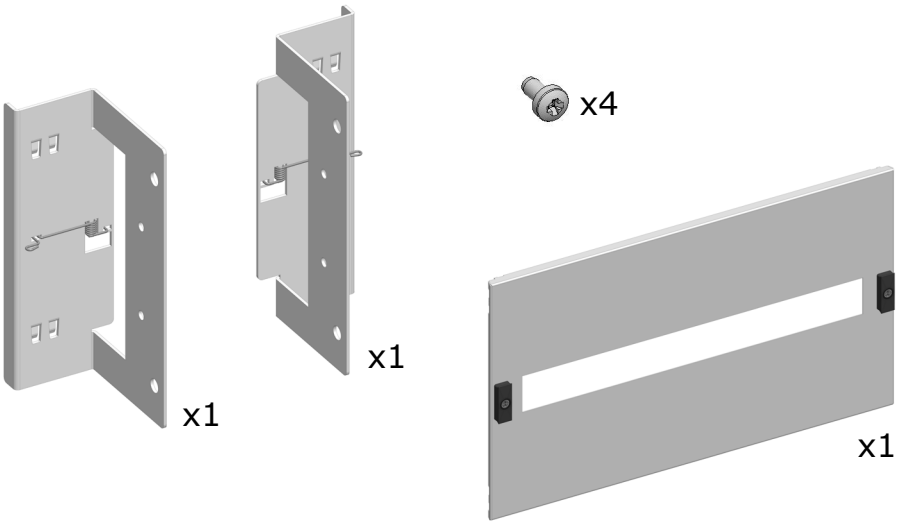


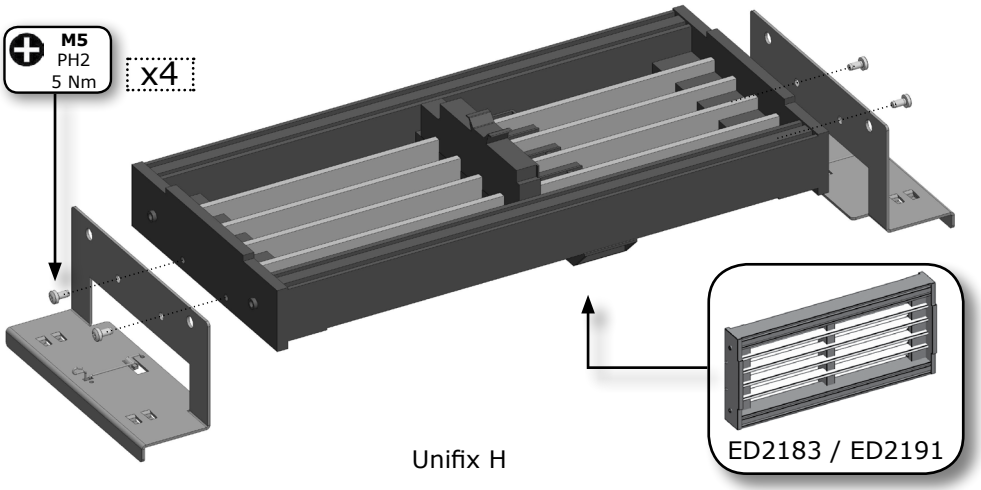
QL...60000





QUS1.3000

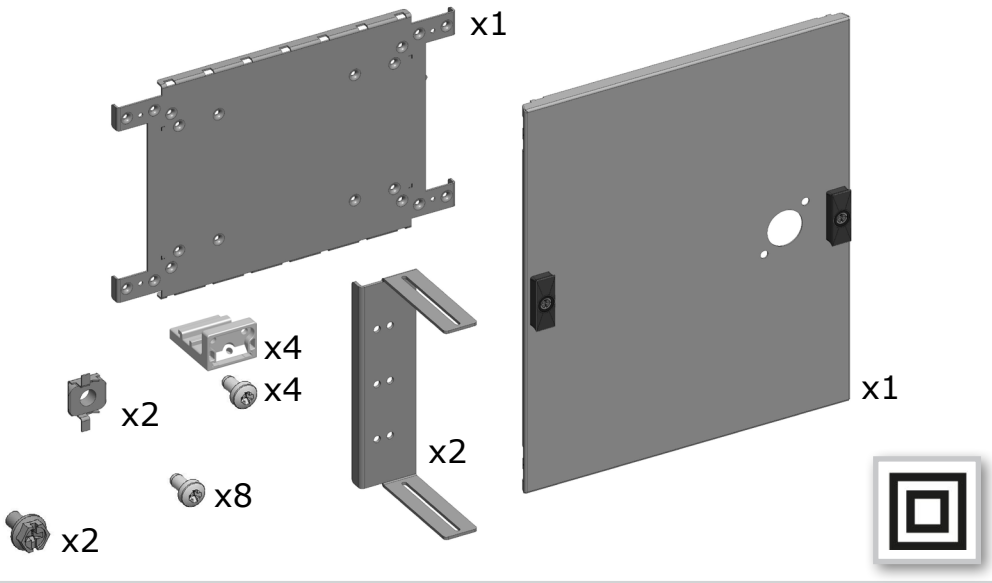


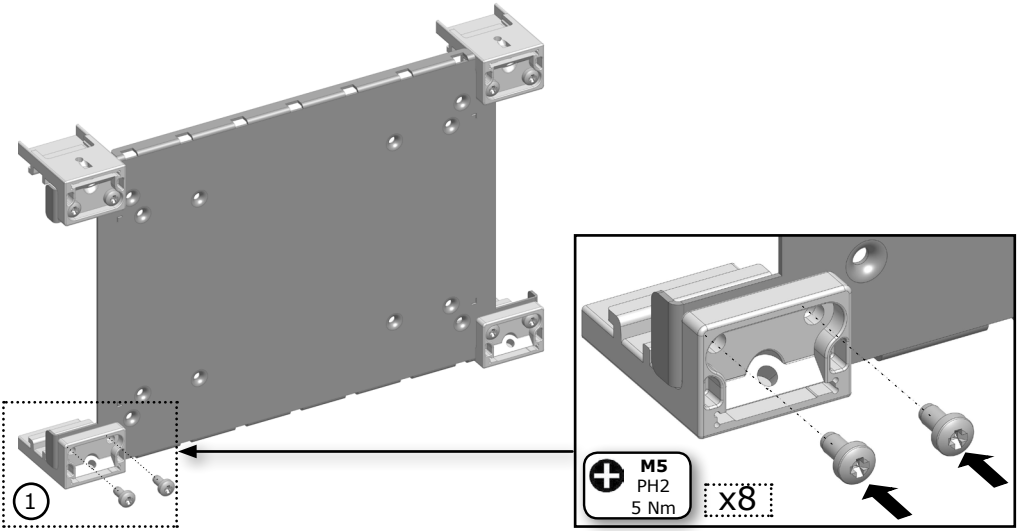


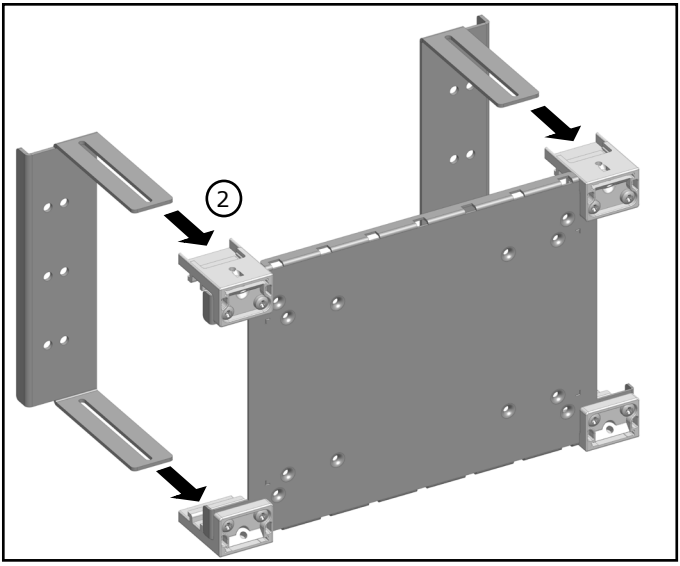
Unifix H

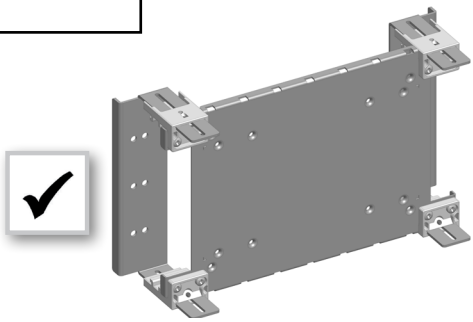
C34

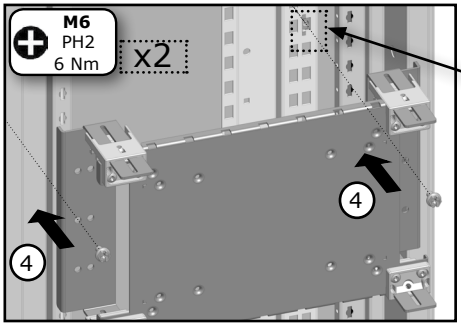
QJ.....RC / QJ.....HL

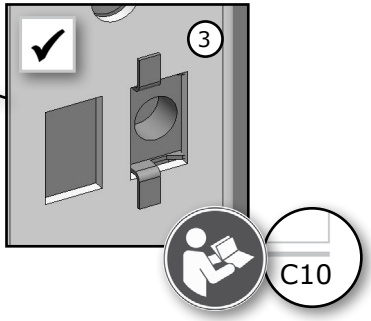


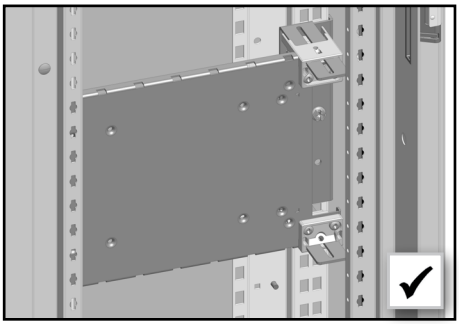

1
M5
PH2
5 Nm
x8

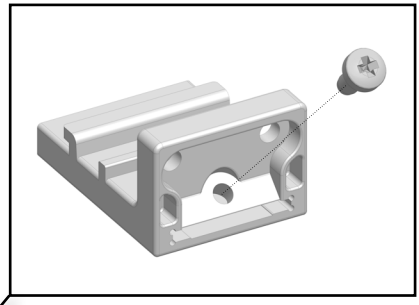

2

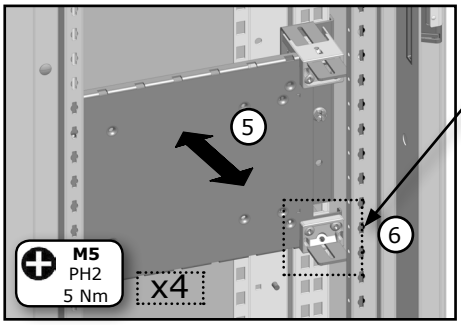


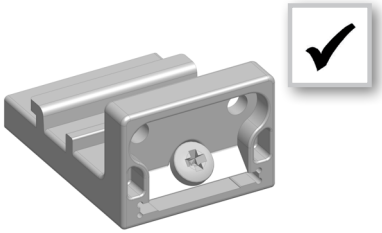

M6
PH2
6 Nm
x2
4
4

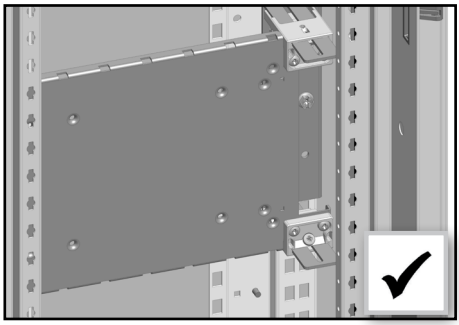

3
C10

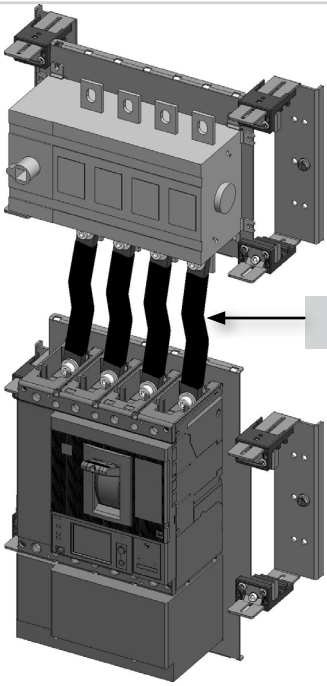


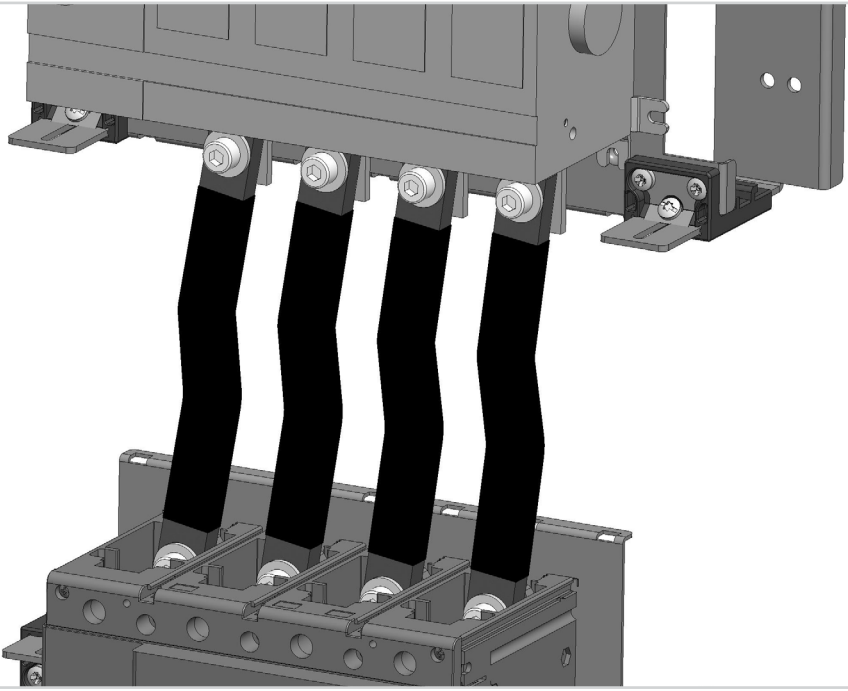



5
6
M5
PH2
5 Nm
x4

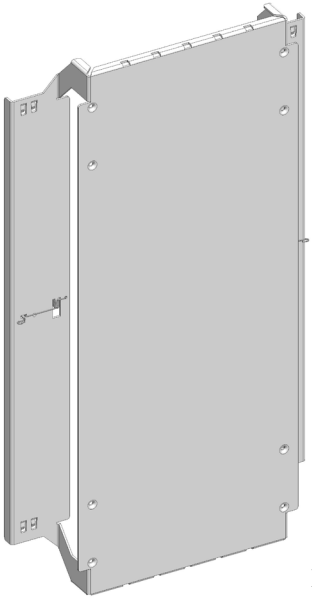




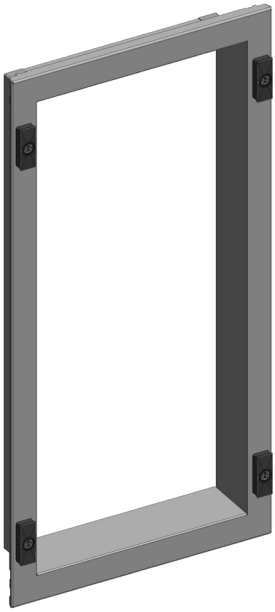

QJCU..000



QTB3V.600



x1



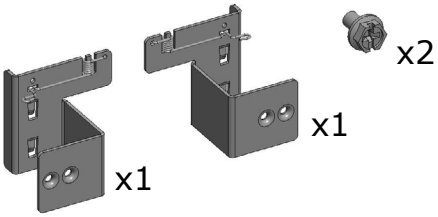
x1

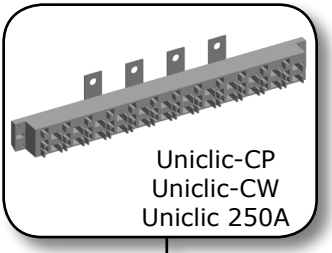


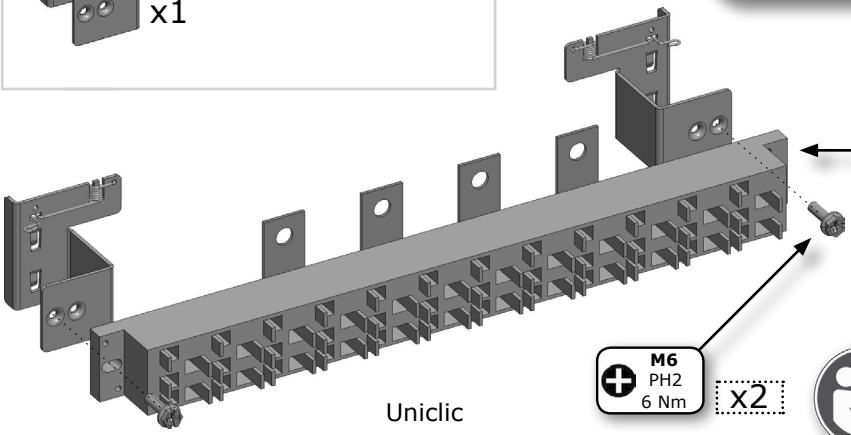
x4



QAM...000

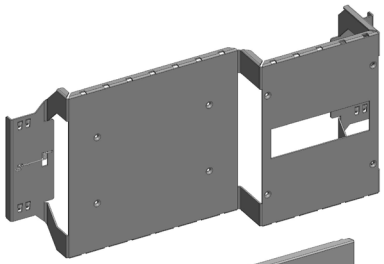








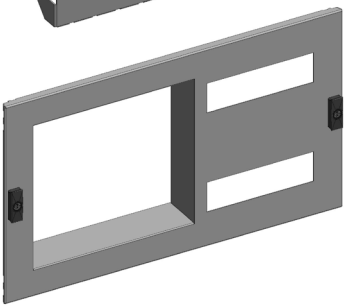
QTB1V6300



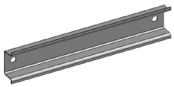
x1



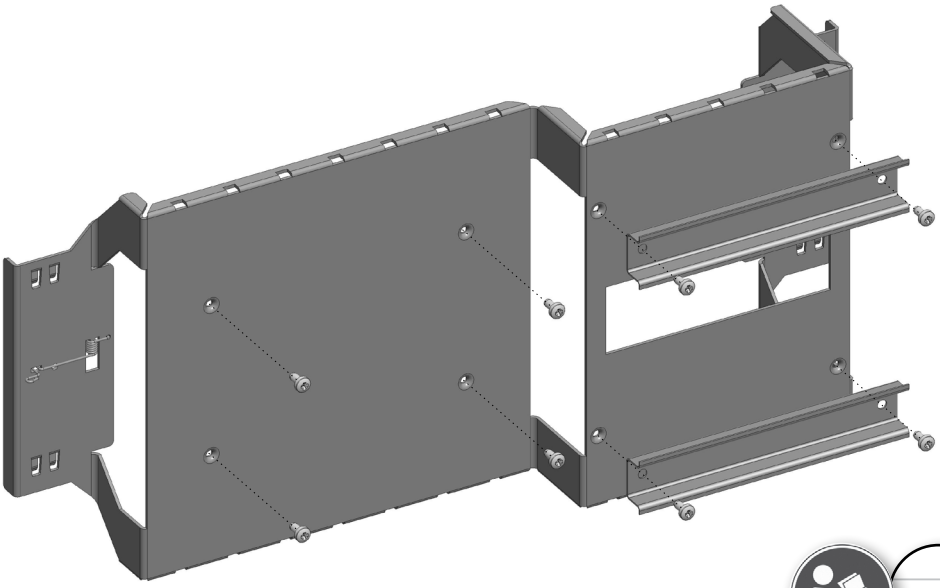
x8



x1

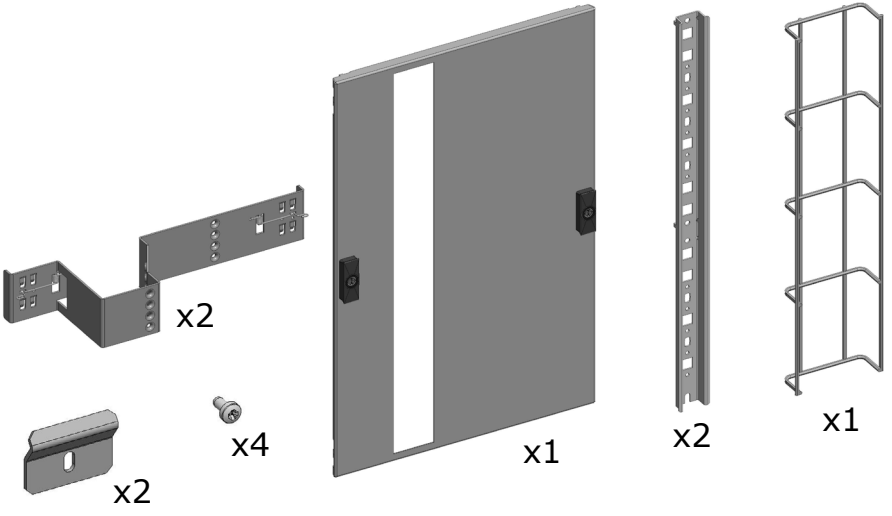


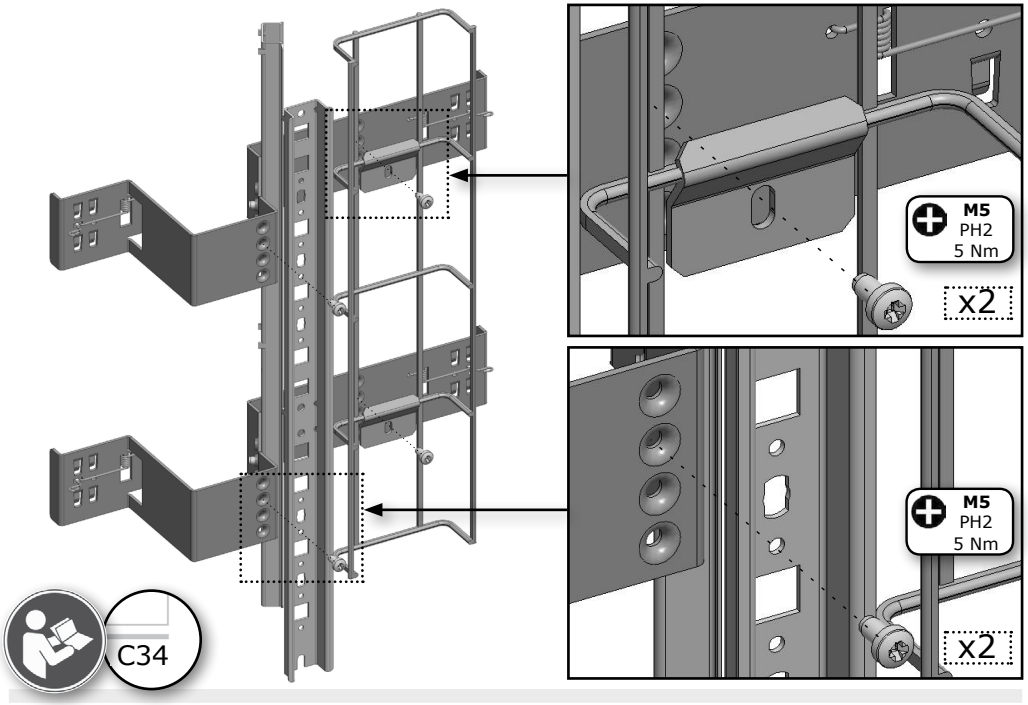
x2



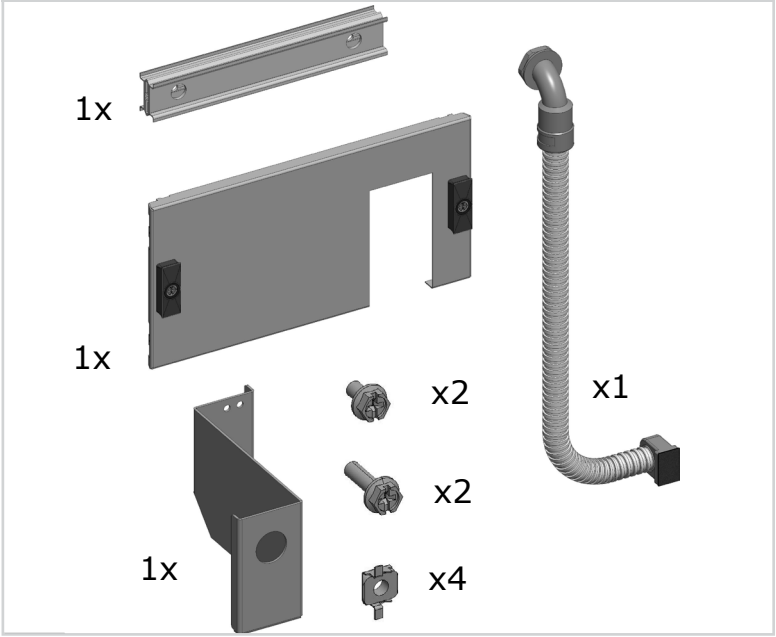
C34

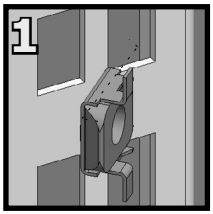
QXEV....

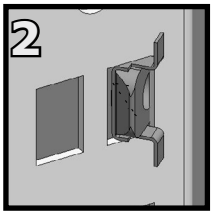


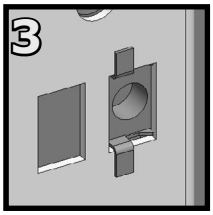


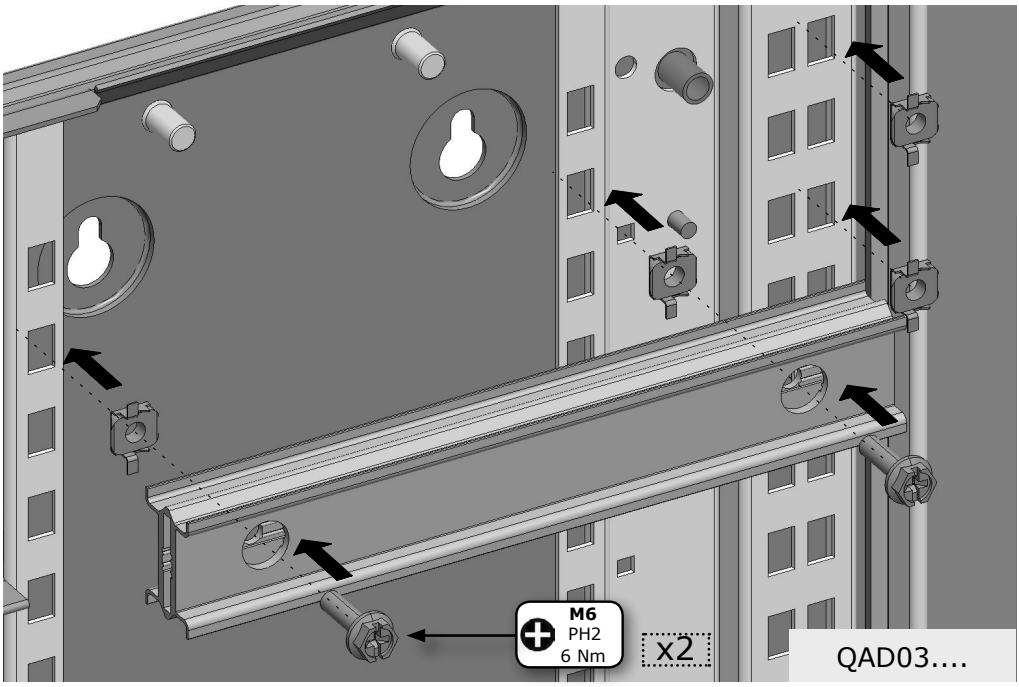
QXW0.1000

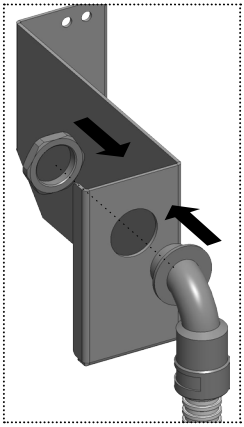


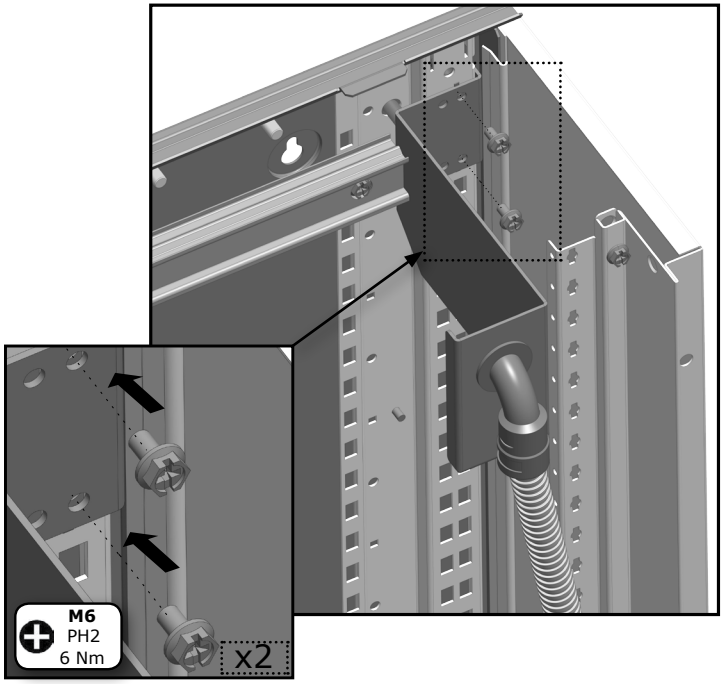


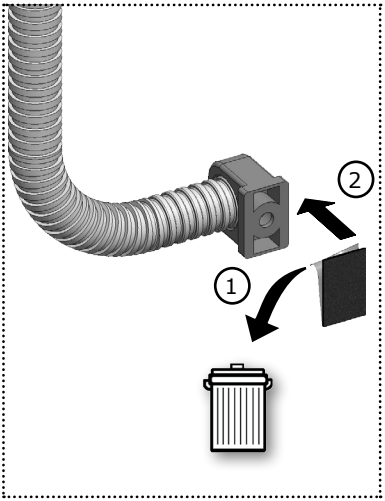


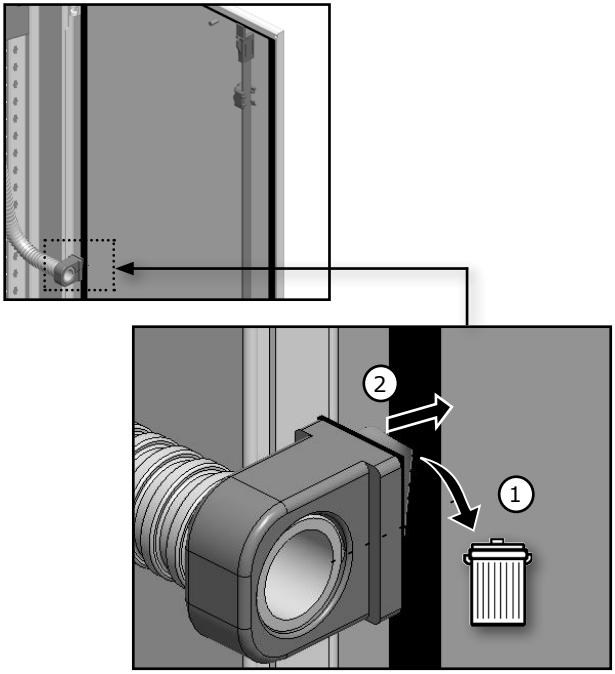







M6
PH2
6 Nm
x2

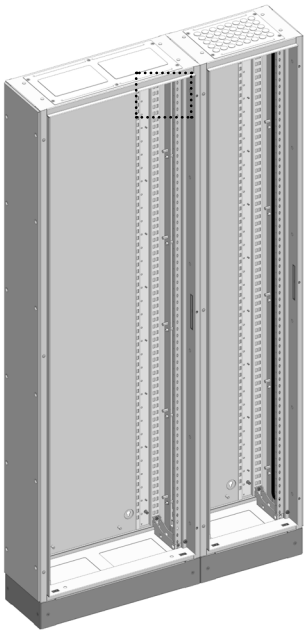

2
1

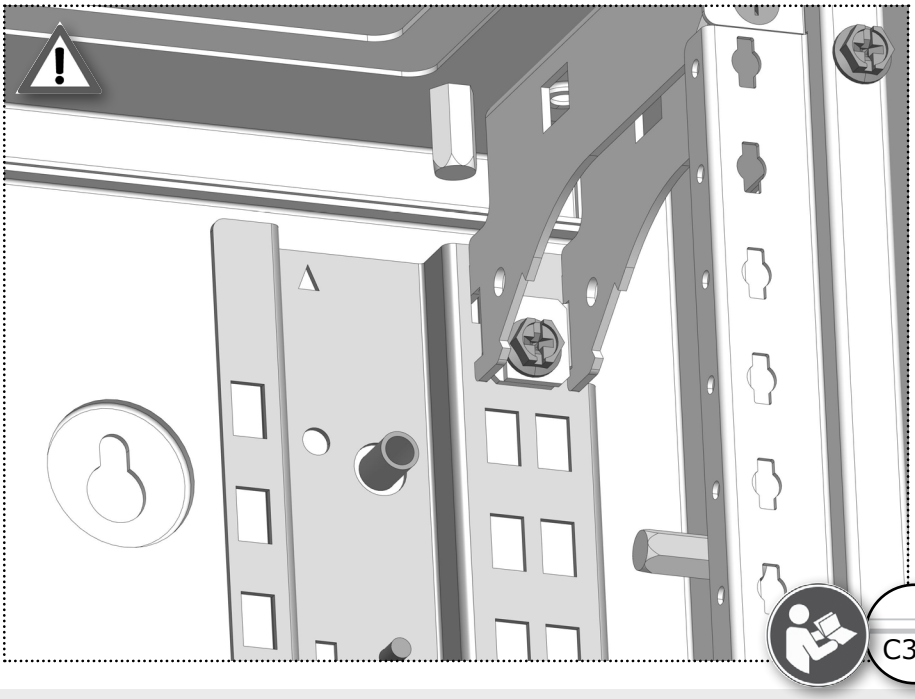

2
1

IP43

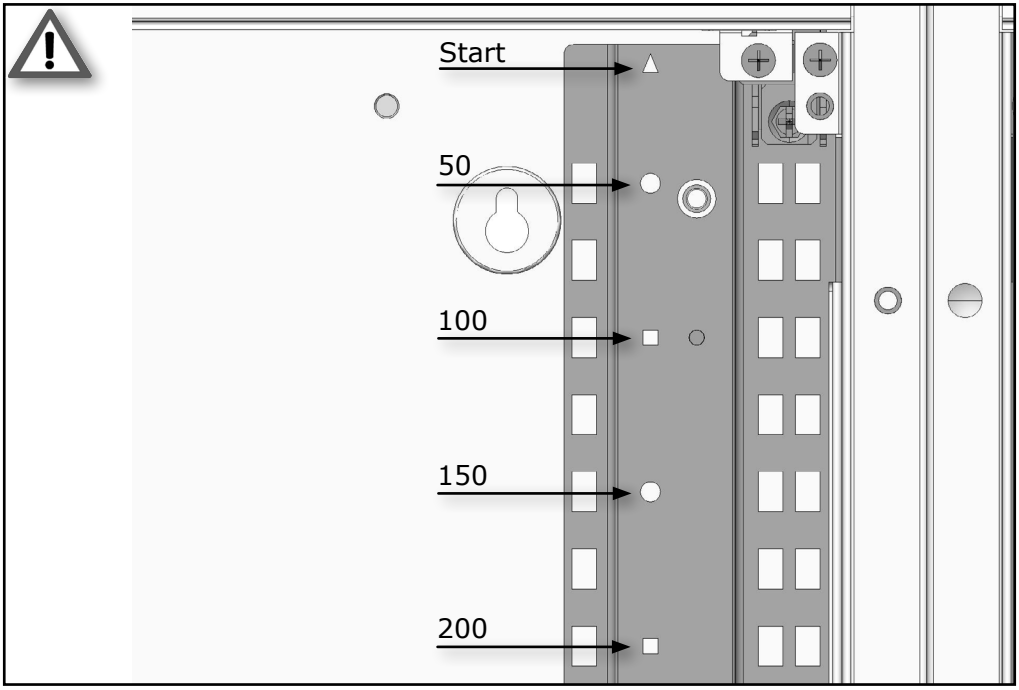


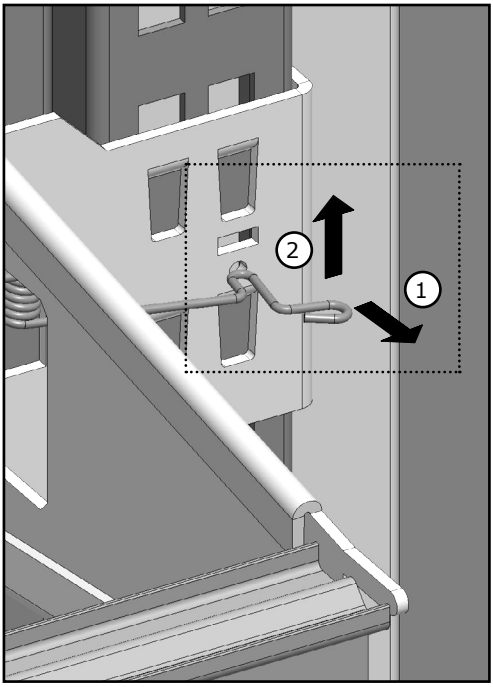
IP55

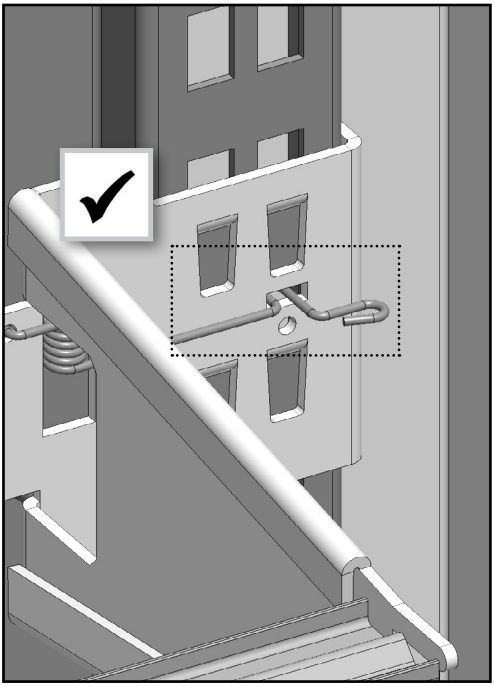


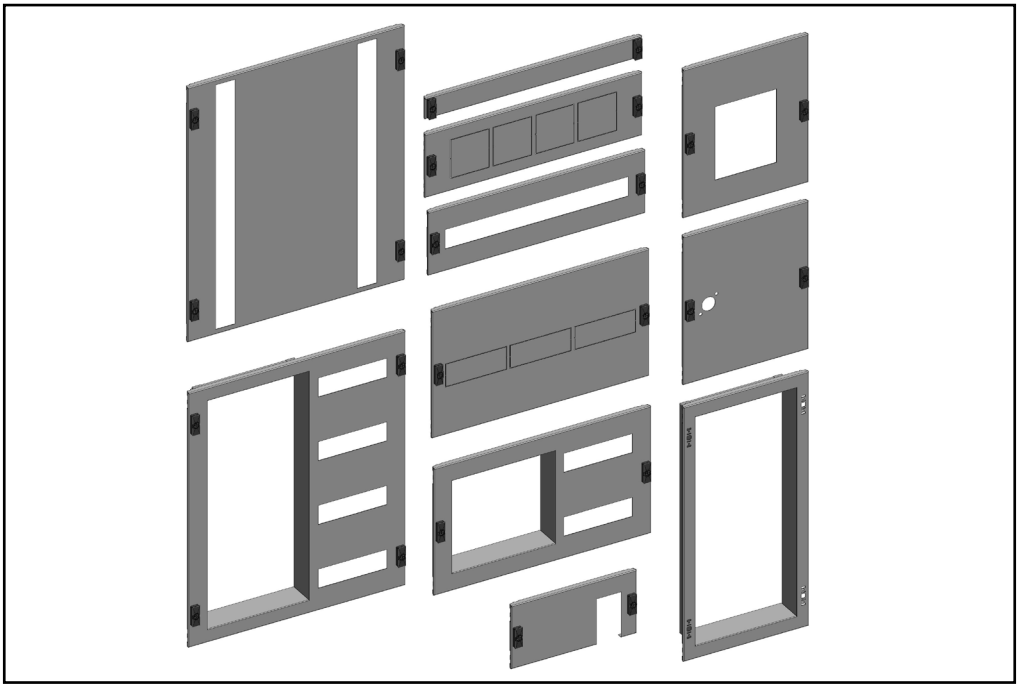


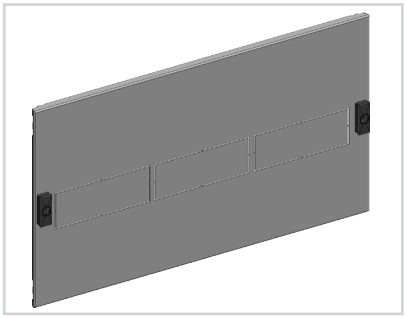
C34

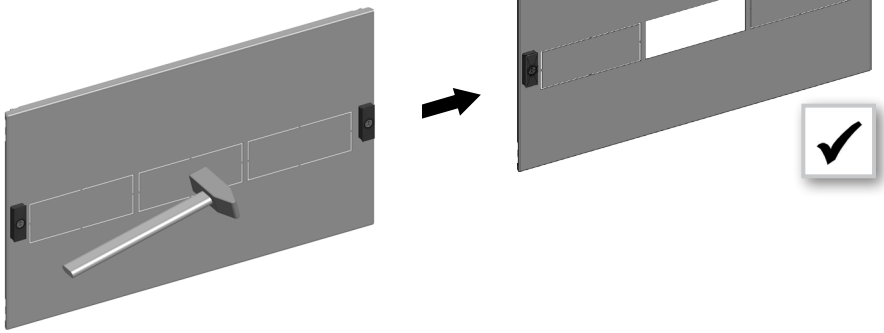

Start
50
100
150
200

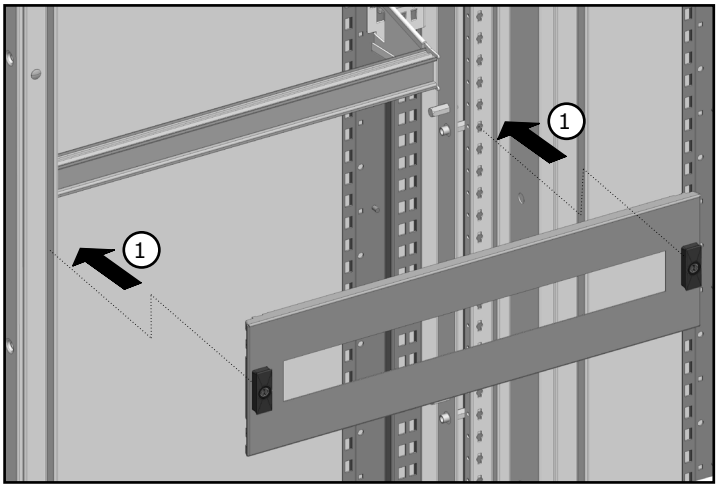

2
1

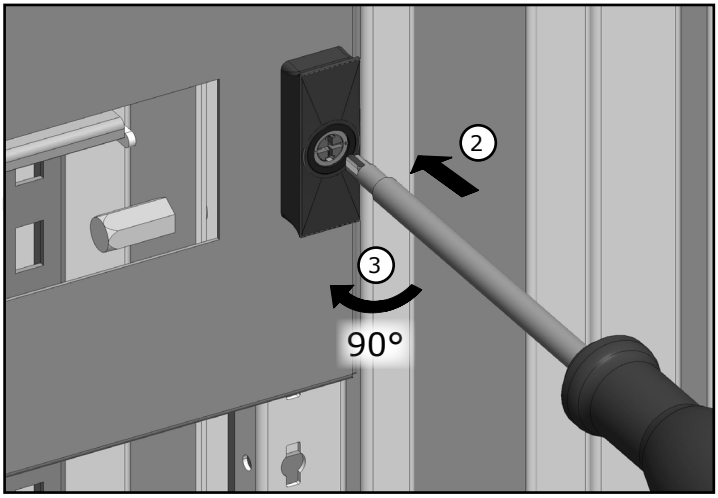


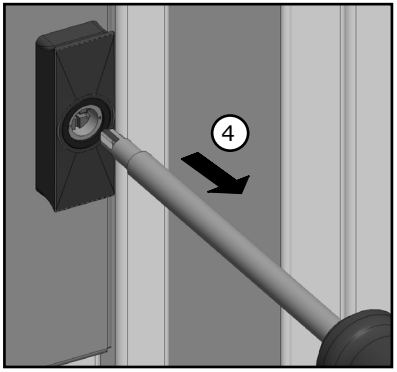






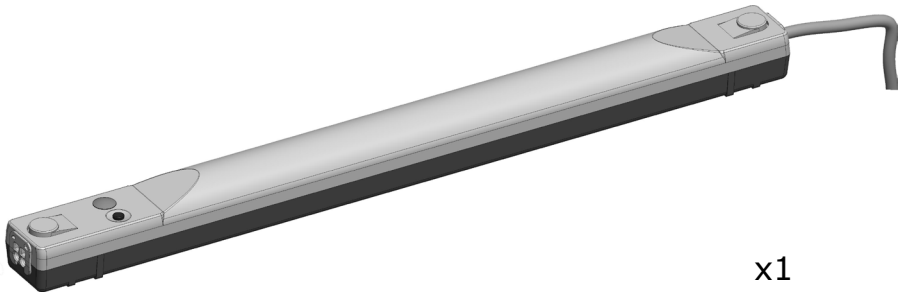




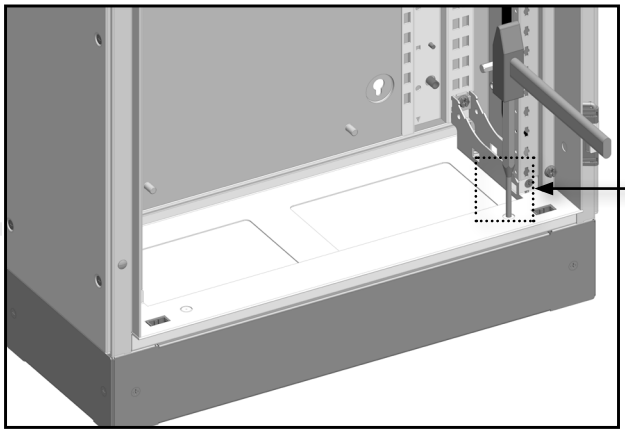


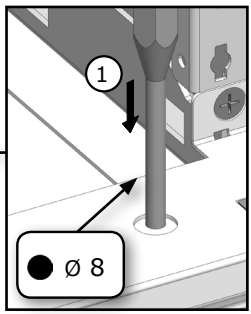
QCC04….
QCC06….
QCC08….
QCS1…..
QCS2…..
QCM…..
QCP……
QT0……

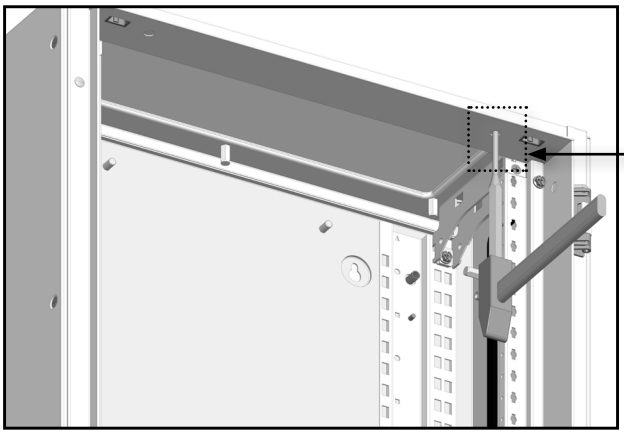
TZ650

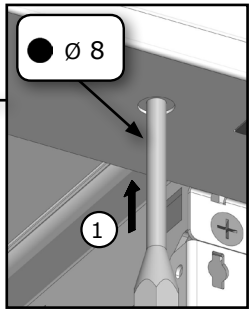


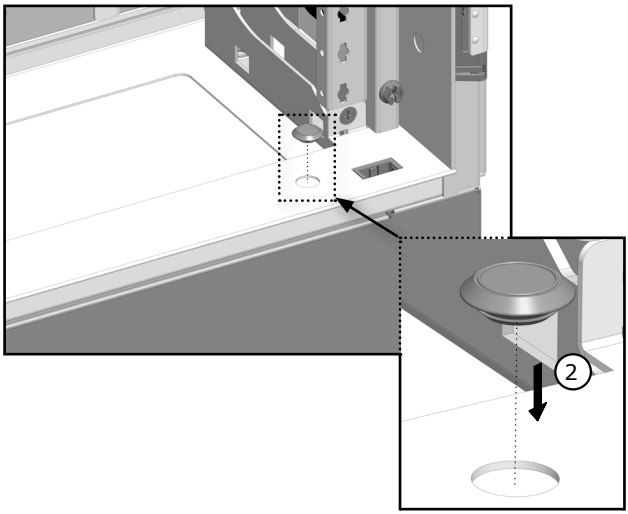
x1







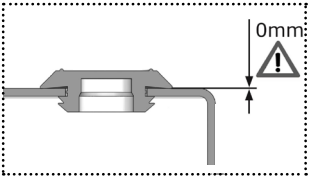


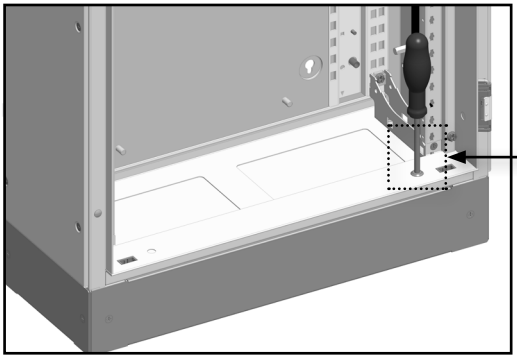


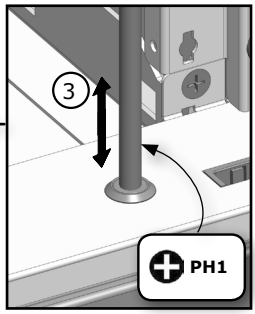
TZ617P10

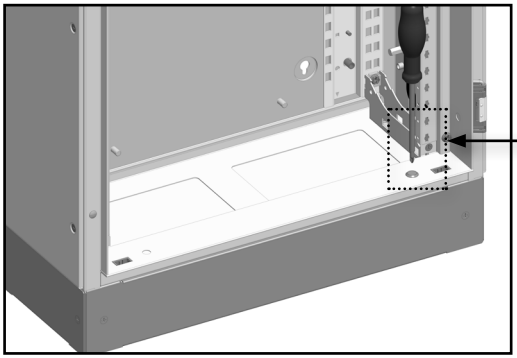


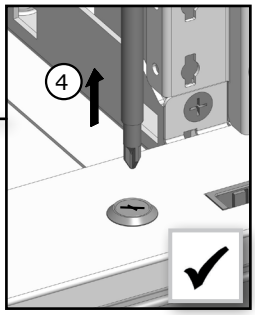
x1

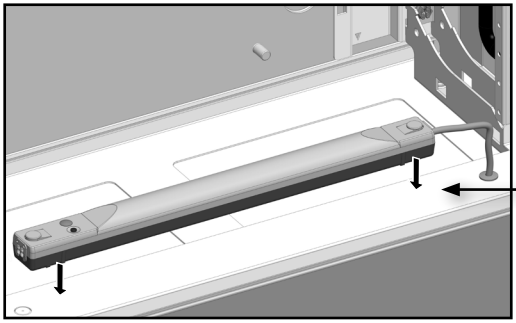


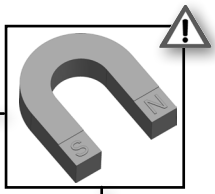


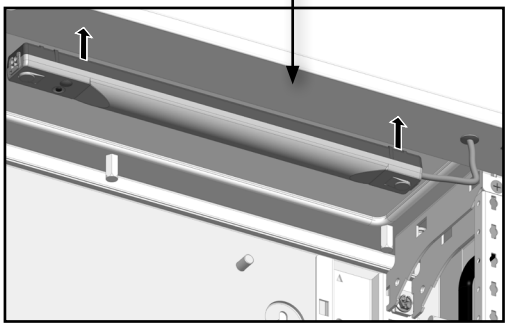


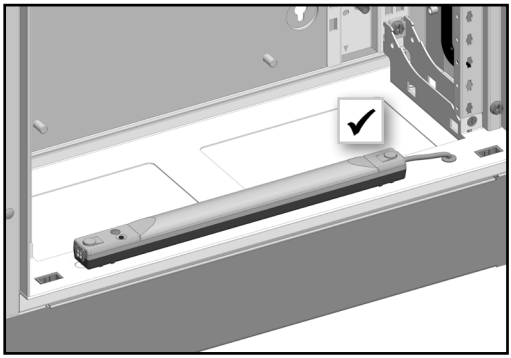


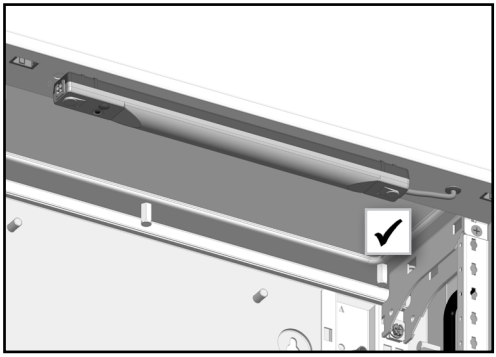


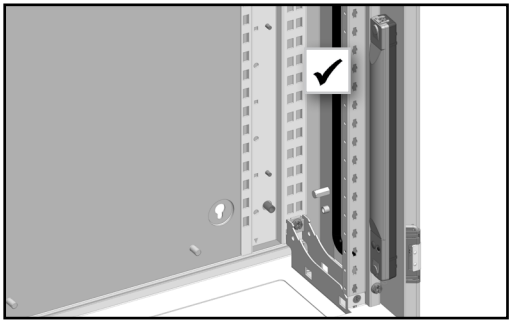


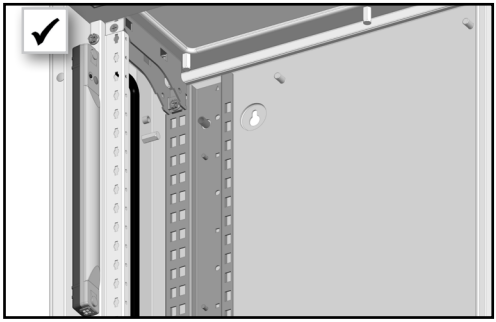

N
S



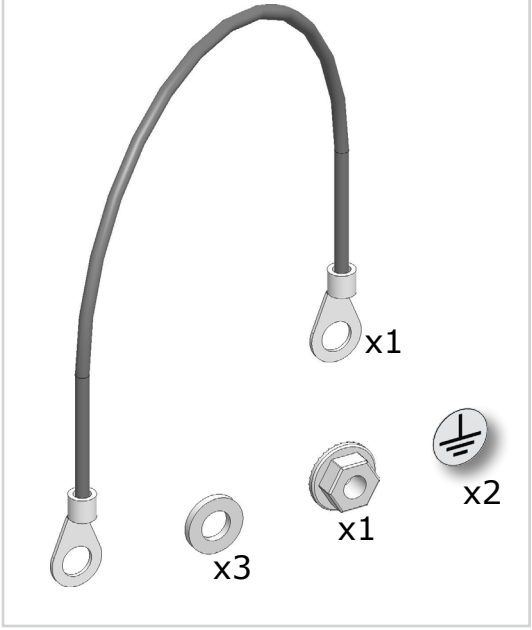


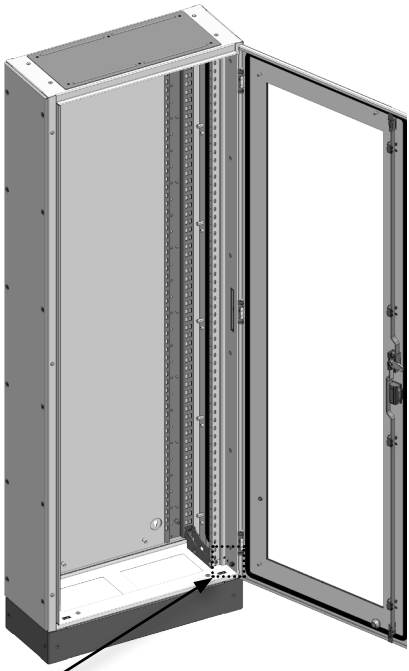


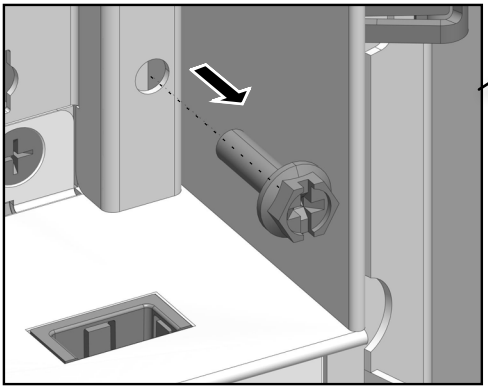


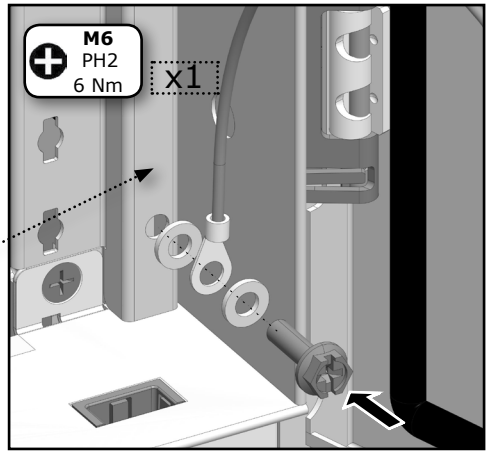


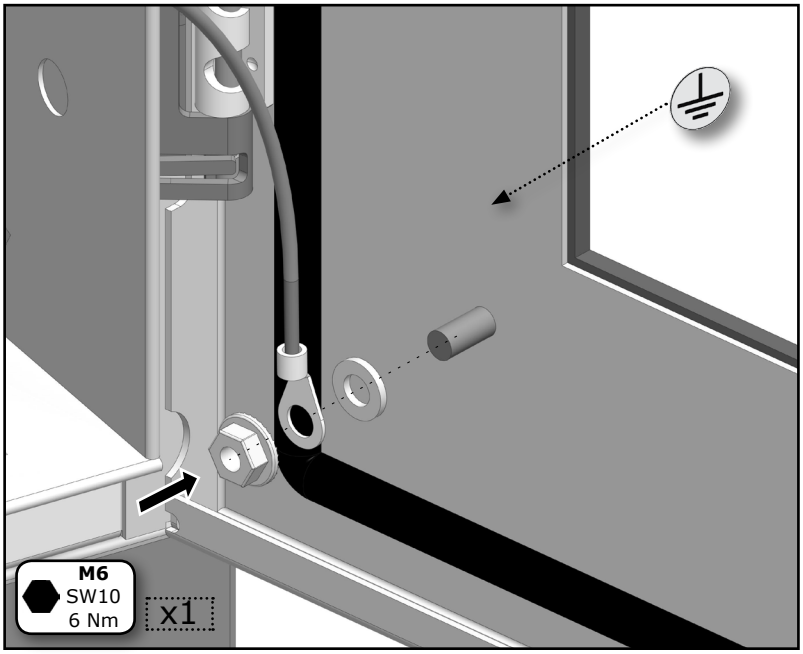
QAW007000



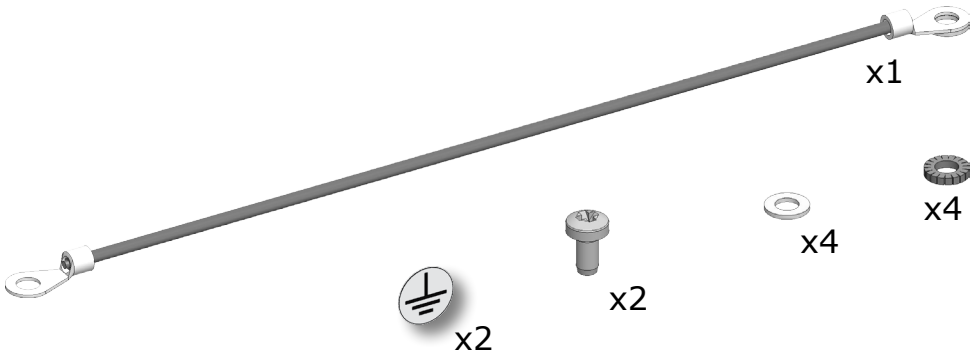


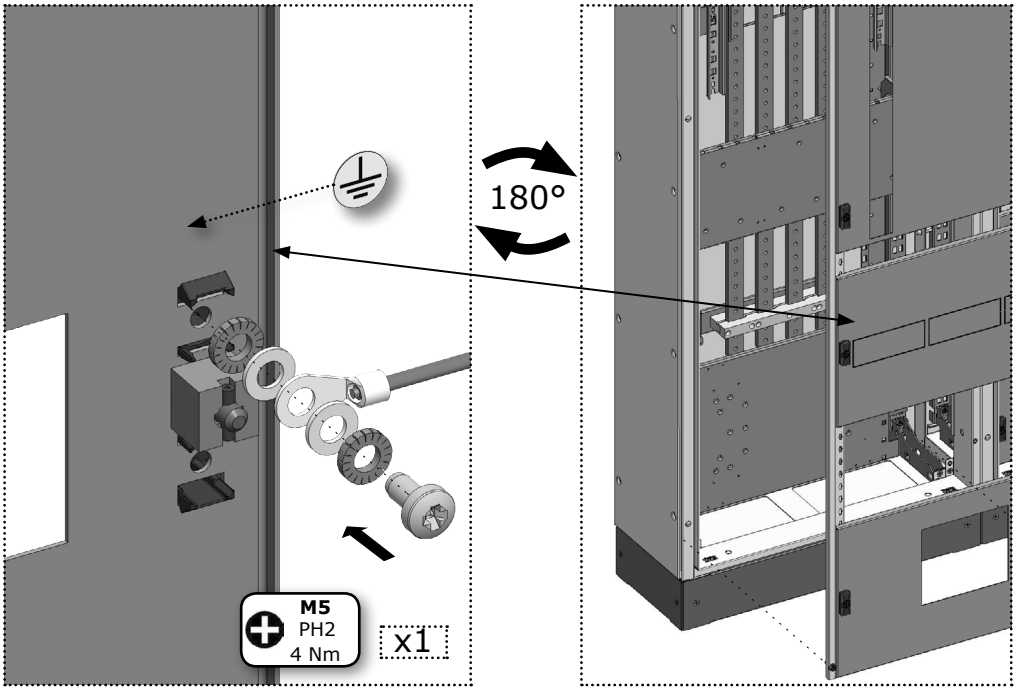


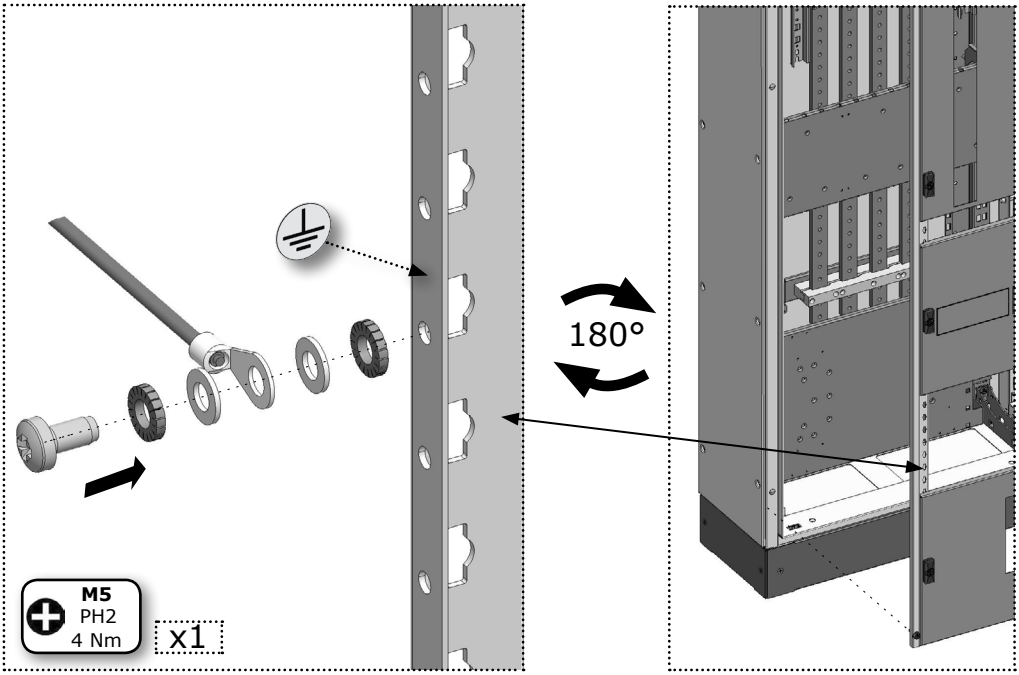




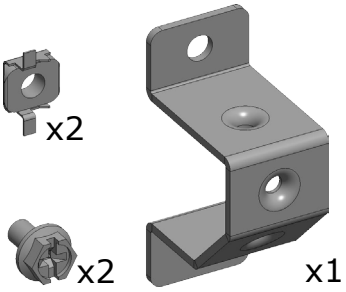
QAW007001

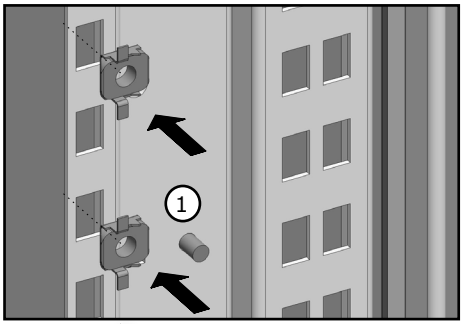


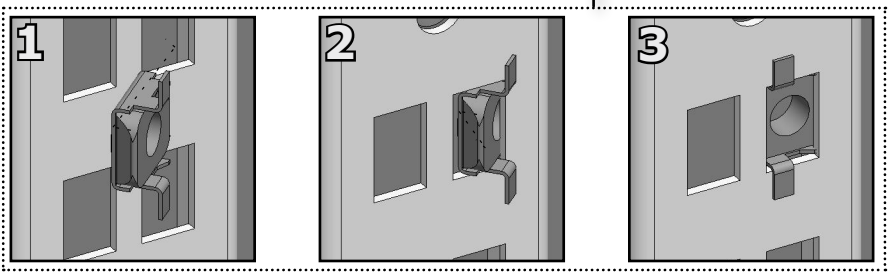

180°
M5
PH2
4 Nm
x1

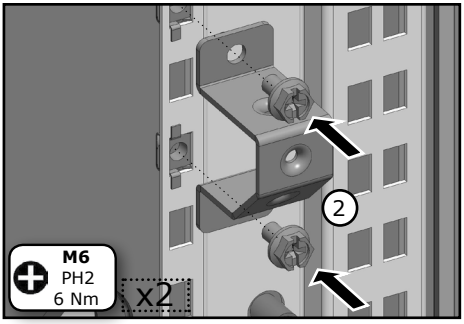

180°
M5
PH2
4 Nm
x1

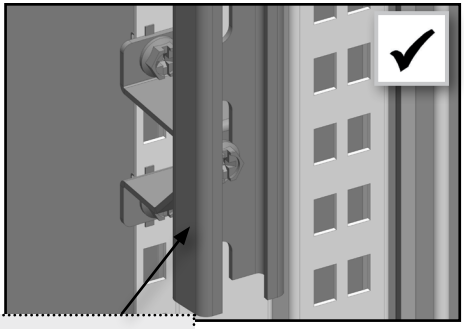
QAW0010P.



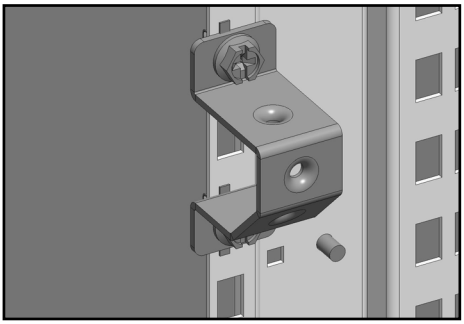


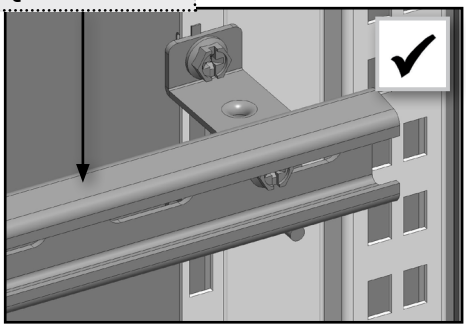




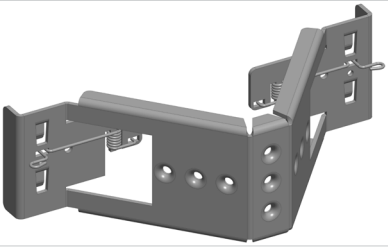


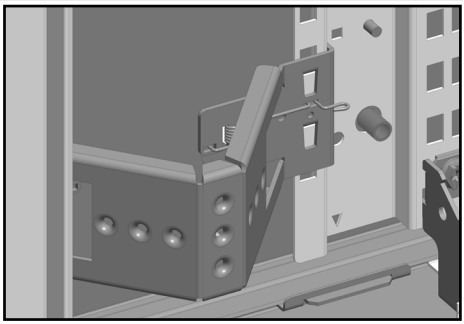
QR.VBWS00

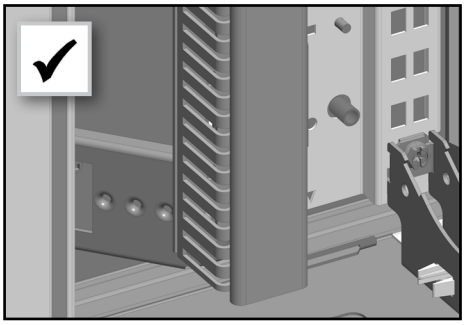


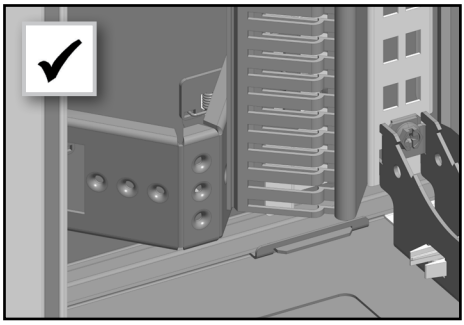


QAW0020P.

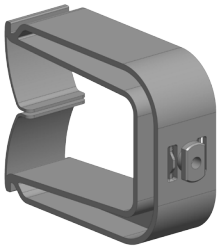


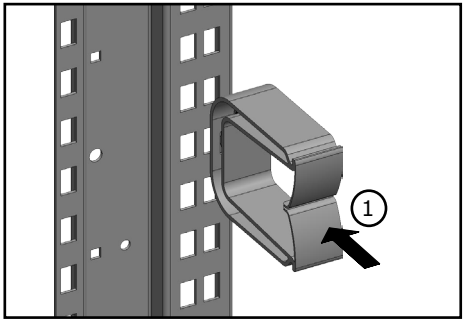


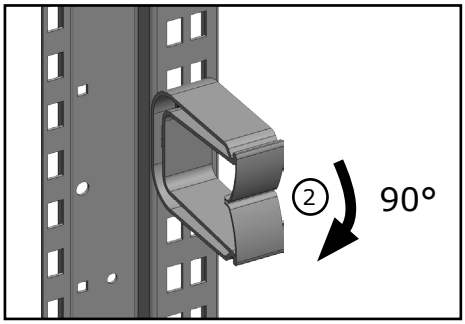


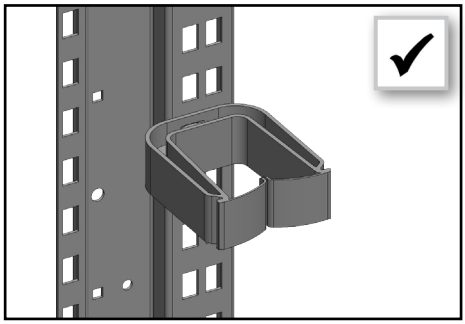


QAW0050P.

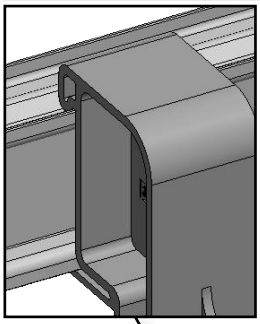


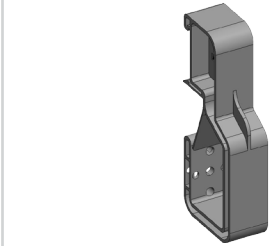


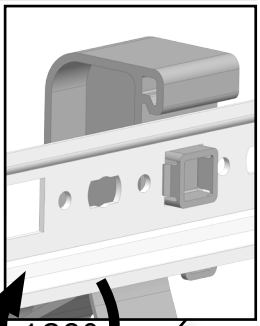


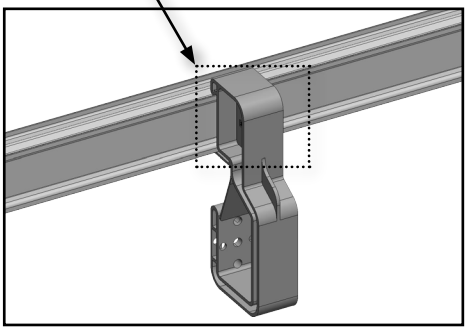


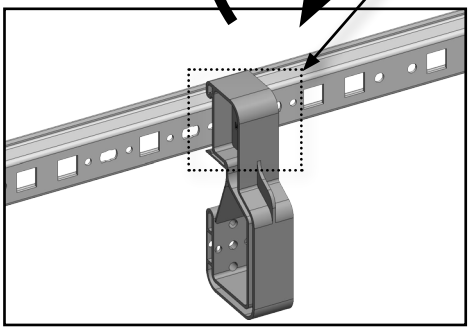
QAW0040P.

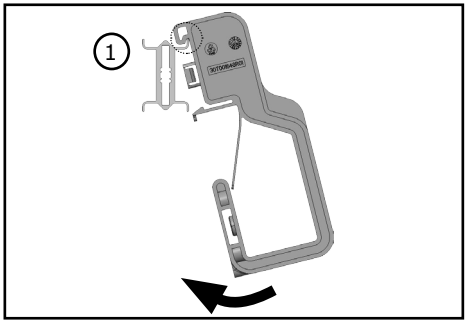


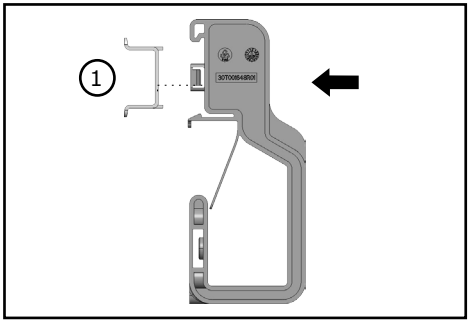


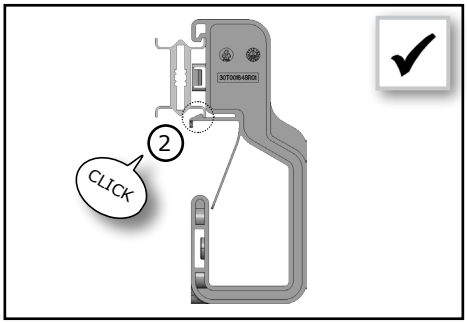


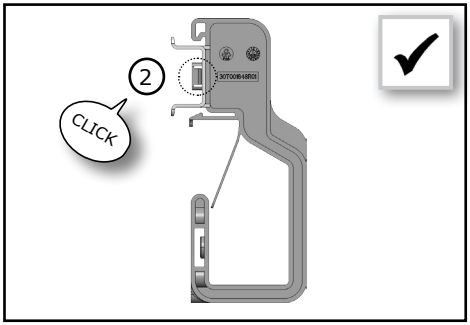




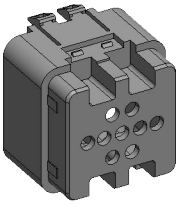


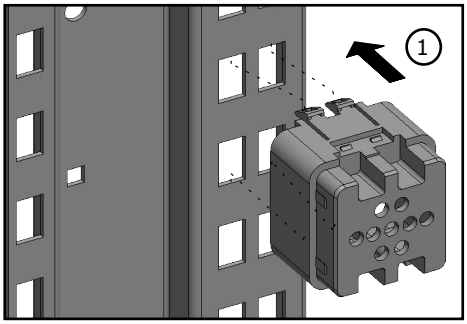


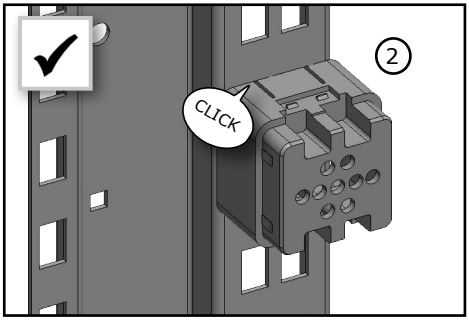


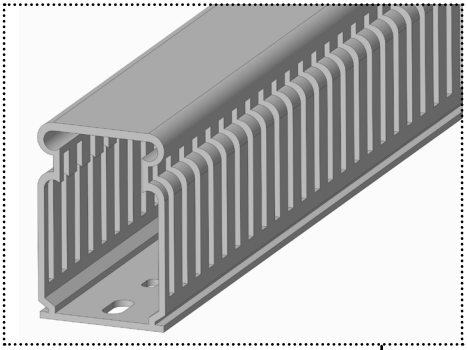


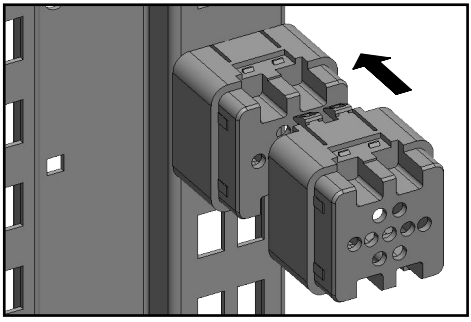
QAW0060P.

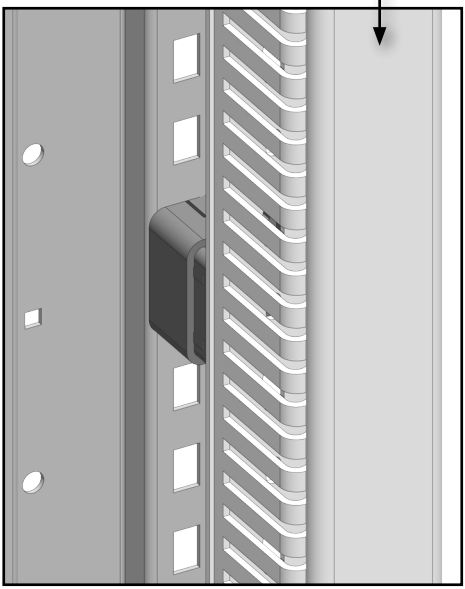


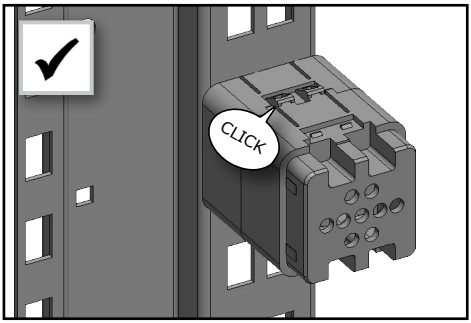




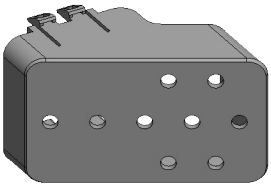


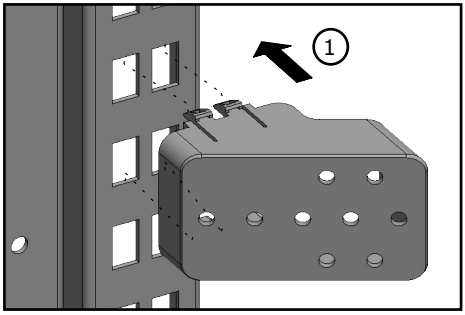


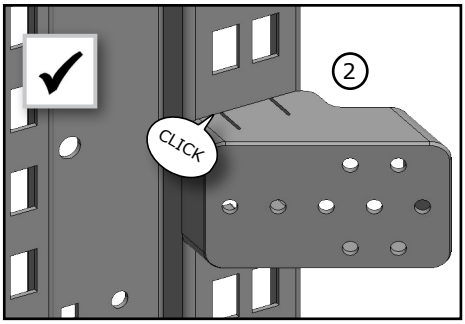


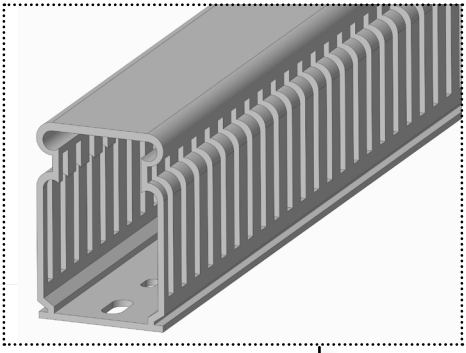


QAW0080P.

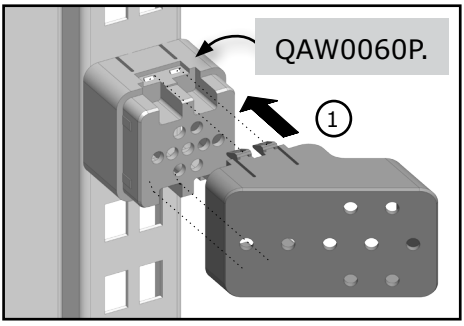


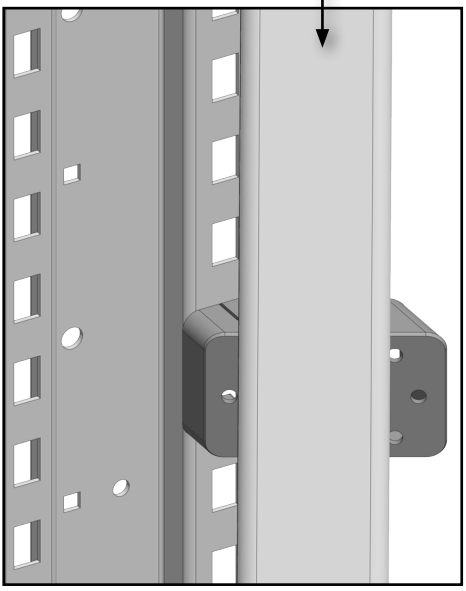


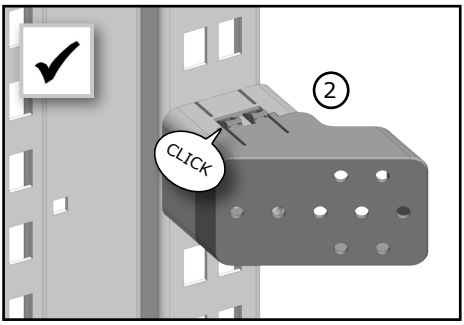




QAW0060P.







B

BA0400	C7, C9
BA0800	C7, C9

E

ESAC1001	34, 35, 36, 37
ESAC1002	37
ESAC1003	37
ESAC1004	37
ESAC1005	37
ESAC1006	37
ESAC1007	37
ESAC1008	37
ESAC1009	37
ESAC1010	37
ESAC1011	37
ESAC1012	37
ESAC1013	37

Q

Q800R00P2	48, 50
Q800R6400	48
Q800R6460	48
Q800R6600	48
Q800R6660	48
Q800R8480	48
Q800R8600	48
Q800R8800	48
Q801R00P4	23
Q830I206	11
Q830I208	11
Q830I210	11, 16
Q830I212	11, 16
Q830I214	11, 16
Q830I216	11, 16
Q830I218	11, 16
Q830I220	11, 16
Q843B406	2, 7
Q843B408	2, 7
Q843B410	2, 7
Q843B412	2, 7
Q843B414	2, 7
Q843B416	2, 7
Q843B418	2, 7
Q843B420	2, 7
Q843B606	2, 7
Q843B608	2, 7
Q843B610	2, 7
Q843B612	2, 7
Q843B614	2, 7
Q843B616	2, 7
Q843B618	2, 7
Q843B620	2, 7
Q843B806	2, 7
Q843B808	2, 7
Q843B810	2, 7
Q843B812	2, 7
Q843B814	2, 7
Q843B816	2, 7
Q843B818	2, 7
Q843B820	2, 7
Q843E406	42, 51
Q843E408	42, 51
Q843E410	42, 51
Q843E412	42, 51
Q843E414	42, 51
Q843E416	42, 51
Q843E418	42, 51
Q843E420	42, 51
Q843E606	42, 51
Q843E608	42, 51
Q843E610	42, 51
Q843E612	42, 51
Q843E614	42, 51
Q843E616	42, 51
Q843E618	42, 51
Q843E620	42, 51
Q843E806	42, 51
Q843E808	42, 51
Q843E810	42, 51
Q843E812	42, 51
Q843E814	42, 51
Q843E816	42, 51
Q843E818	42, 51
Q843E820	42, 51
Q843T411	4
Q843T421	4
Q843T611	4
Q843T621	4
Q843T811	4
Q843T821	4
Q855D406	27, 29
Q855D408	27, 29
Q855D410	27, 29
Q855D412	27, 29
Q855D414	27, 29
Q855D416	27, 29
Q855D418	27, 29
Q855D420	27, 29
Q855D606	27, 29
Q855D608	27, 29
Q855D610	27, 29
Q855D612	27, 29
Q855D614	27, 29
Q855D616	27, 29
Q855D618	27, 29
Q855D620	27, 29
Q855D806	27, 29
Q855D808	27, 29
Q855D810	27, 29
Q855D812	27, 29
Q855D814	27, 29
Q855D816	27, 29
Q855D818	27, 29
Q855D820	27, 29
Q855F421	18
Q855F422	18
Q855F423	18
Q855F424	18
Q855F621	18
Q855F622	18
Q855F623	18
Q855F624	18
Q855F821	18
Q855F822	18
Q855F823	18
Q855F824	18
Q855G406	27, 29
Q855G408	27, 29
Q855G410	27, 29
Q855G412	27, 29
Q855G414	27, 29
Q855G416	27, 29
Q855G418	27, 29
Q855G420	27, 29
Q855G606	27, 29
Q855G608	27, 29
Q855G610	27, 29
Q855G612	27, 29
Q855G614	27, 29
Q855G616	27, 29
Q855G618	27, 29
Q855G620	27, 29
Q855G806	27, 29
Q855G808	27, 29
Q855G810	27, 29
Q855G812	27, 29
Q855G814	27, 29
Q855G816	27, 29
Q855G818	27, 29
Q855G820	27, 29
Q855P401	20, 54
Q855P601	20, 54
Q855P801	20, 54
QAD001000	C21
QAD0010P1	C21
QAD002000	C21
QAD0020P1	C21
QAD003000	C21
QAD0030P1	C21
QAD011000	C20
QAD0110P1	C20
QAD012000	C20
QAD0120P1	C20
QAD013000	C20
QAD0130P1	C20
QAD031000	C31
QAD0310P1	C31
QAD032000	C31
QAD0320P1	C31

QAD033000	C31	QB4V435RC	C22	QCC064001	C36
QAD0330P1	C31	QB4V63000	C22	QCC065001	C36
QAMB000P2	C28	QB4V63003	C22	QCC066001	C36
QAW0010P2	C43	QB4V635RC	C22	QCC068001	C36
QAW0010P5	C43	QB4V83000	C22	QCC069001	C36
QAW0020P2	C44	QB4V83004	C22	QCC080501	C36
QAW0020P5	C44	QB4V835RC	C22	QCC081001	C36
QAW0040P2	C45	QB5H63000	C22	QCC081501	C36
QAW0040P5	C45	QB5H630RC	C22	QCC0815P1	C36
QAW0050P2	C44	QB5H630TM	C22	QCC082001	C36
QAW0050P5	C44	QB5H630TR	C22	QCC0820P1	C36
QAW0060P2	C46, C47	QB5H83000	C22	QCC082501	C36
QAW0060P5	C46, C47	QB5H830RC	C22	QCC083001	C36
QAW007000	C40	QB5H830TM	C22	QCC084001	C36
QAW007001	C41	QB5H830TR	C22	QCC085001	C36
QAW0080P2	C47	QB5V44500	C22	QCC086001	C36
QAW0080P5	C47	QB5V445RC	C22	QCC088001	C36
QB1H62000	C22	QB5V445TM	C22	QCC089001	C36
QB1H620RC	C22	QB5V445TR	C22	QCM741500	C36
QB1H82000	C22	QB5V64500	C22	QCM761500	C36
QB1H820RC	C22	QB5V645RC	C22	QCM781500	C36
QB1V43000	C22	QB5V645TM	C22	QCM941500	C36
QB1V430RC	C22	QB5V645TR	C22	QCM961500	C36
QB1V63000	C22	QB5V84500	C22	QCM981500	C36
QB1V63003	C22	QB5V845RC	C22	QCP041500	C36
QB1V630RC	C22	QB5V845TM	C22	QCP061500	C36
QB1V83000	C22	QB5V845TR	C22	QCP081500	C36
QB1V83004	C22	QB6H64000	C22	QCS141501	C36
QB1V830RC	C22	QB6H640RC	C22	QCS1415P1	C36
QB2H62000	C22	QB6H640TM	C22	QCS142001	C36
QB2H620RC	C22	QB6H84000	C22	QCS143001	C36
QB2H82000	C22	QB6H840RC	C22	QCS161501	C36
QB2H820RC	C22	QB6H840TM	C22	QCS1615P1	C36
QB2V43000	C22	QB6V64500	C22	QCS162001	C36
QB2V435RC	C22	QB6V645TM	C22	QCS163001	C36
QB2V63000	C22	QB6V84500	C22	QCS181501	C36
QB2V63003	C22	QB6V845TM	C22	QCS1815P1	C36
QB2V635RC	C22	QCC040501	C36	QCS182001	C36
QB2V83000	C22	QCC041001	C36	QCS183001	C36
QB2V83004	C22	QCC041501	C36	QCS243001	C36
QB2V835RC	C22	QCC0415P1	C36	QCS2430P1	C36
QB3H62000	C22	QCC042001	C36	QCS263001	C36
QB3H620RC	C22	QCC0420P1	C36	QCS2630P1	C36
QB3H82000	C22	QCC042501	C36	QCS283001	C36
QB3H820RC	C22	QCC043001	C36	QCS2830P1	C36
QB3V43000	C22	QCC044001	C36	QDS141500	C21
QB3V435RC	C22	QCC045001	C36	QDS142000	C21
QB3V63000	C22	QCC046001	C36	QDS143000	C21
QB3V63003	C22	QCC048001	C36	QDS161500	C21
QB3V635RC	C22	QCC049001	C36	QDS162000	C21
QB3V83000	C22	QCC060501	C36	QDS163000	C21
QB3V83004	C22	QCC061001	C36	QDS16300A	C19
QB3V835RC	C22	QCC061501	C36	QDS181500	C21
QB4H62000	C22	QCC0615P1	C36	QDS182000	C21
QB4H620RC	C22	QCC062001	C36	QDS183000	C21
QB4H82000	C22	QCC0620P1	C36	QDS18300A	C19
QB4H820RC	C22	QCC062501	C36	QDS1B6300	C19
QB4V43000	C22	QCC063001	C36	QDS1B8300	C19

QDS243000	C21
QDS263000	C21
QDS283000	C21
QJ2H620RC	C24
QJ2V435RC	C24
QJ2V635RC	C24
QJ4H620RC	C24
QJ4V435HL	C24
QJ4V435RC	C24
QJ4V635HL	C24
QJ4V635RC	C24
QJ5H630RC	C24
QJ5V445RC	C24
QJ5V645RC	C24
QJCU16000	C27
QJCU25000	C27
QJCU40000	C27
QL4V66000	C22
QL4V86000	C22
QL8V86000	C22
QM0403000	C22
QM0601500	C22
QM0602000	C22
QM0602500	C22
QM0603000	C22
QM0604000	C22
QM0605000	C22
QM0606000	C22
QM0608000	C22
QM0609000	C22
QM0610000	C22
QM0610000	C22
QM0801500	C22
QM0802000	C22
QM0802500	C22
QM0803000	C22
QM0804000	C22
QM0805000	C22
QM0806000	C22
QM0808000	C22
QM0809000	C22
QR02F2005	C6, C9, C13
QR02F2010	C6, C9, C13
QR02F3010	C6, C9, C13
QR02F4010	C6, C9, C13
QR0C16P20	C12
QR0C35P20	C12
QR0CM6P20	C12
QR4HP2010	C12
QR4HP3010	C12
QR4HP4010	C12
QR4PC3010	C10
QR4VBWS00	C43
QR6H6FS01	C7
QR6H8FS01	C7
QR6HP2010	C12
QR6HP3010	C12
QR6HP4010	C12
QR6PC3011	C10
QR6V4FS01	C2, C4, C5
QR6V6FF01	C2, C6
QR6V8FF01	C2, C6
QR6VBWS00	C43
QR8H6SS01	C7, C9
QR8H8SS01	C7, C9
QR8HP2010	C12
QR8HP3010	C12
QR8HP4010	C12
QR8PC3012	C10
QR8V4SS01	C2, C4, C5
QR8V6SF01	C2, C6
QR8V8SF01	C2, C6
QR8VBWS00	C43
QRFH63001	C14
QRFH83001	C14
QRFV01XSS	45
QRFV46001	C16
QRFV48001	C16
QRFV4C001	C16
QRFV66001	C15
QRFV68001	C15
QRFV6C001	C15
QS4H43500	C22
QS4H63500	C22
QS4H83500	C22
QS4V435HL	C22
QS4V435HM	C22
QS4V635HL	C22
QS4V635HM	C22
QS4V835HL	C22
QS4V835HM	C22
QS8H65000	C22
QS8H85000	C22
QS8V635HL	C22
QS8V635HM	C22
QS8V835HL	C22
QS8V835HM	C22
QT0141500	C36
QT0142000	C36
QT0143000	C36
QT0162000	C36
QT0163000	C36
QT0181500	C36
QT0182000	C36
QT0183000	C36
QT0243000	C36
QT0243000	C36
QT0263000	C36
QT0283000	C36
QTB1V6300	C29
QTB3V4600	C28
QTB3V6600	C28
QUS163000	C23
QUS183000	C23
QXEV44501	C30
QXEV44502	C30
QXEV46001	C30
QXEV46002	C30
QXEV47501	C30
QXEV47502	C30
QXEV64501	C30
QXEV64502	C30
QXEV66001	C30
QXEV66002	C30
QXEV67501	C30
QXEV67502	C30
QXEV84501	C30
QXEV84502	C30
QXEV86001	C30
QXEV86002	C30
QXEV87501	C30
QXEV87502	C30
QXW041000	C31
QXW061000	C31
QXW081000	C31

T

TZ101	19
TZ102	19
TZ103	19
TZ104	19
TZ105	19
TZ106	19
TZ107	19
TZ110	19
TZ111	19
TZ112	19
TZ517	34, 35
TZ518	34, 35, 36
TZ650	C37

U

Uniclic 250A 36-24	C28
Uniclic 250A 54-36	C28
Uniclic CP 2	C28
Uniclic CP 6	C28
Uniclic CW 10/320	C28
Uniclic-CW 10/120	C28
Uniclic-CW 10/120 N	C28
Uniclic-CW 10/320 N	C28
Uniclic-CW 6/120	C28
Uniclic-CW 6/120 N	C28
Uniclic-CW 6/320	C28
Uniclic-CW 6/320 N	C28

Z

ZH130	34
ZH131	34
ZH132	34
ZH133	34
ZH134	34

ZH135	34
ZH136	34
ZH137	34

Beyond Connected campaign QR code

ABB S.p.A.
Automation and Distribution Boards
Via Italia, 58
23846 Garbagnate Monastero (LC) - Italy