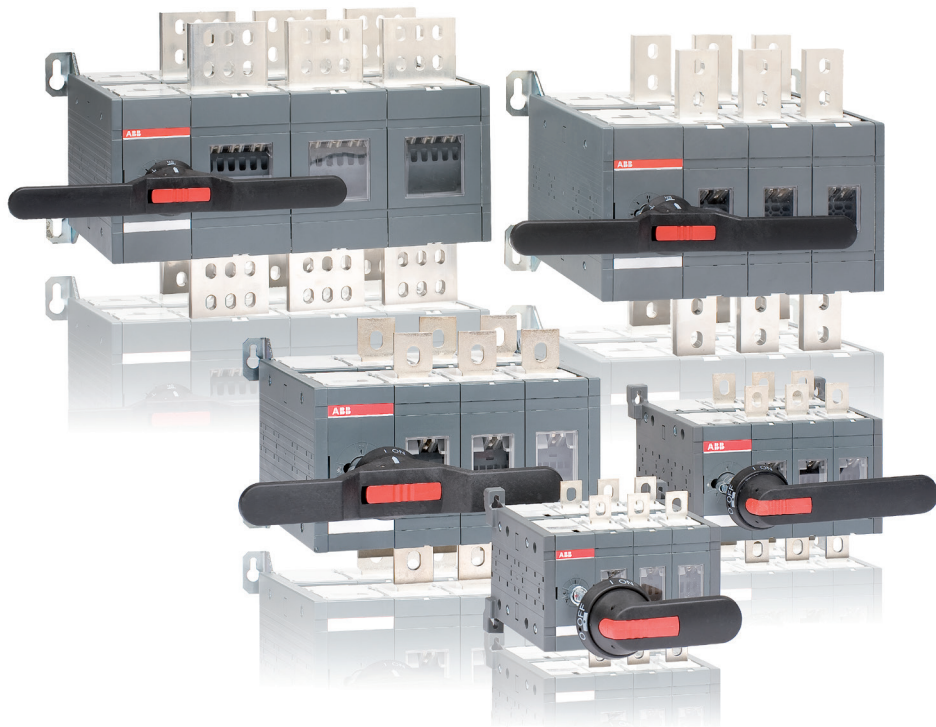


Manual 6- and 8-pole switches OT_D Installation instruction



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1

Operation

OT160-800_D_

ON
I

OFF
T

Operation

0 I 0 TEST 0

Switch

Close

Open

OT160-2500_DD_

ON
II

ON
I

OFF
T

Operation

0 I I+II I 0 TEST 0

Switch II

Close

Open

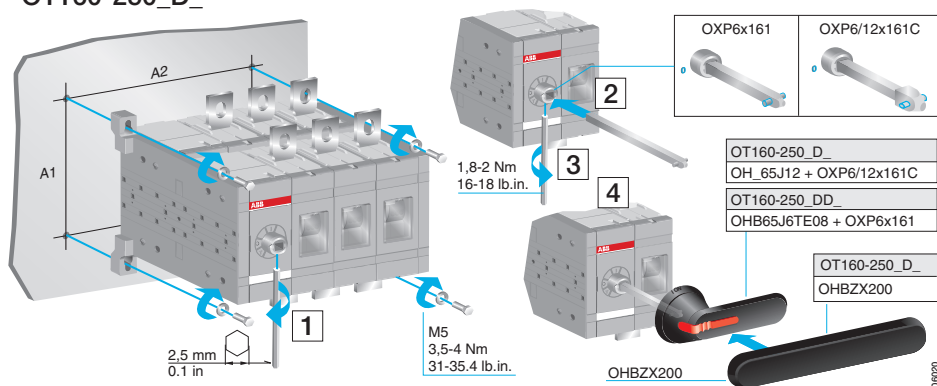
Switch I

Close

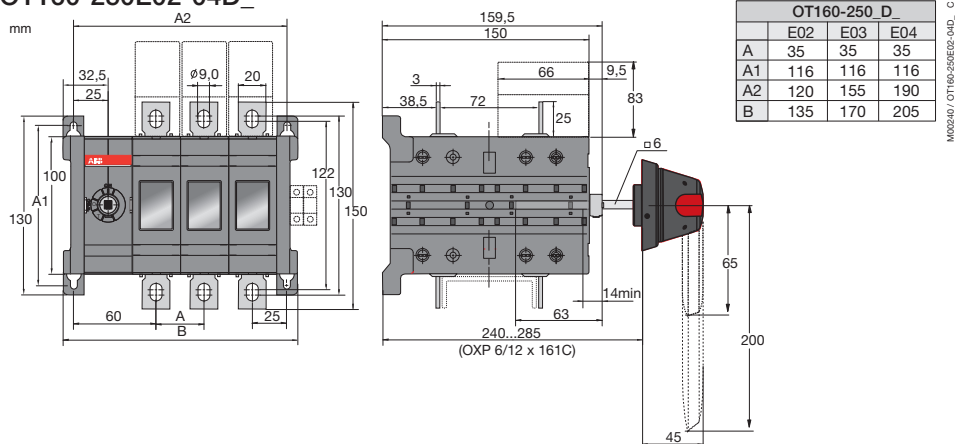
Open

A06036

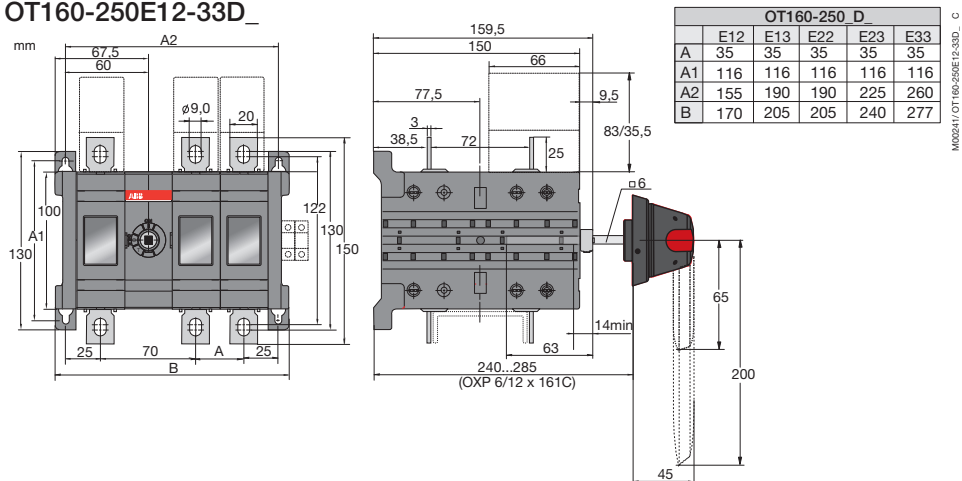
2 OT160-250_D_



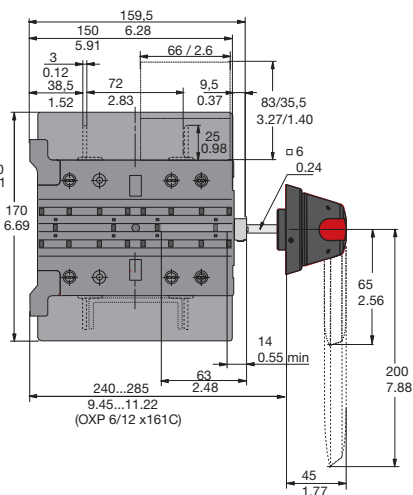
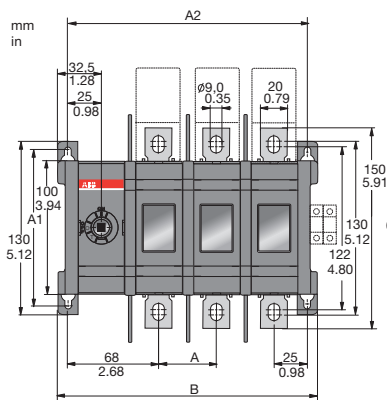
3 OT160-250E02-04D_



4 OT160-250E12-33D_



OT200U02-04D_



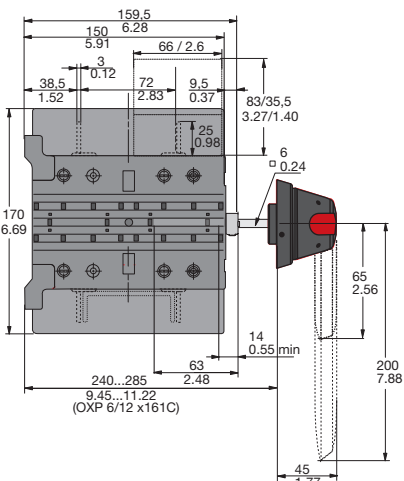
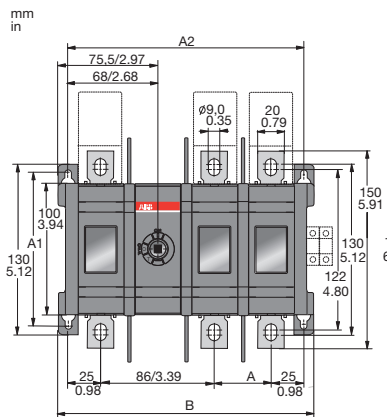
OT200_D_			
	U02	U03	U04
A	43 / 1.69	43 / 1.69	43 / 1.69
A1	116 / 4.57	116 / 4.57	116 / 4.57
A2	136 / 5.35	179 / 7.05	222 / 8.74
B	151 / 5.94	194 / 7.64	237 / 9.33

100242/QT200102-04D C

A06021

6

OT200U12-22D_



OT200_D_					
	U12	U13	U22	U23	U33
A	43 / 1.69	43 / 1.69	43 / 1.69	43 / 1.69	43 / 1.69
A1	116 / 4.57	116 / 4.57	116 / 4.57	116 / 4.57	116 / 4.57
A2	179 / 7.05	222 / 8.75	222 / 8.74	265 / 10.43	308 / 12.13
B	194 / 7.64	237 / 9.34	237 / 9.33	280 / 11.02	323 / 12.72

0243/QT200112.33D C:

7



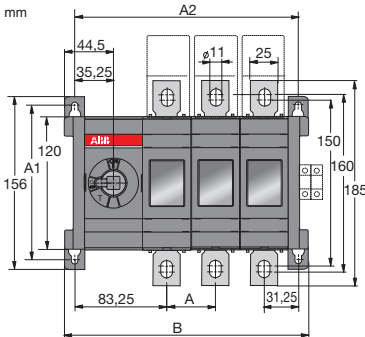
OT315-400_D_
OHB95J12
OT315-400_DD_
OHB95J12TE08

OHBZX200

OT315-400_D_
OHBZX200

0.050 22

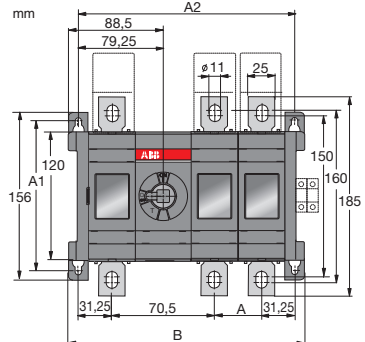
8



OT315-400_D_			
	E02	E03	E04
A	44	44	44
A1	142	142	142
A2	158,5	202,5	246,5
B	177	221	265

W00244 / 315-400E02-04D_ C

9

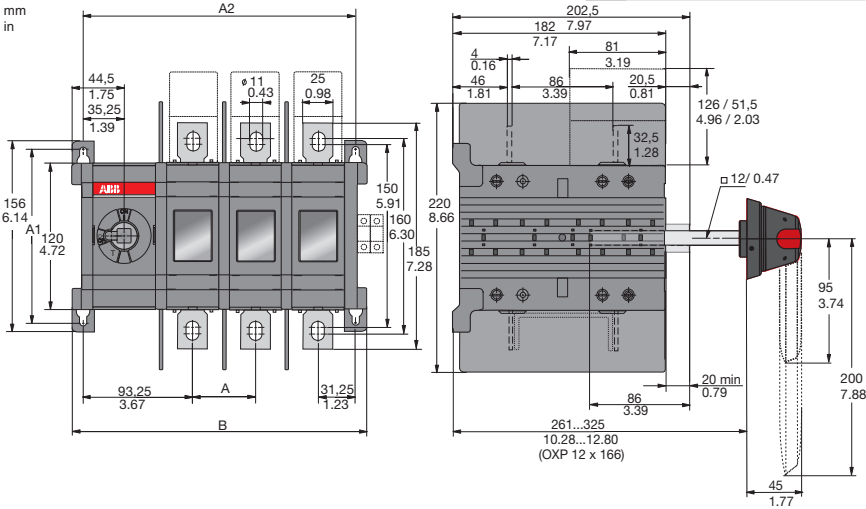


OT315-400_D_					
	E12	E13	E22	E23	E33
A	44	44	44	44	44
A1	142	142	142	142	142
A2	202,5	246,5	246,5	290,5	334,5
B	221	265	265	309	353

M00245 / 315-400E12-33D C

OT400U02-04D_

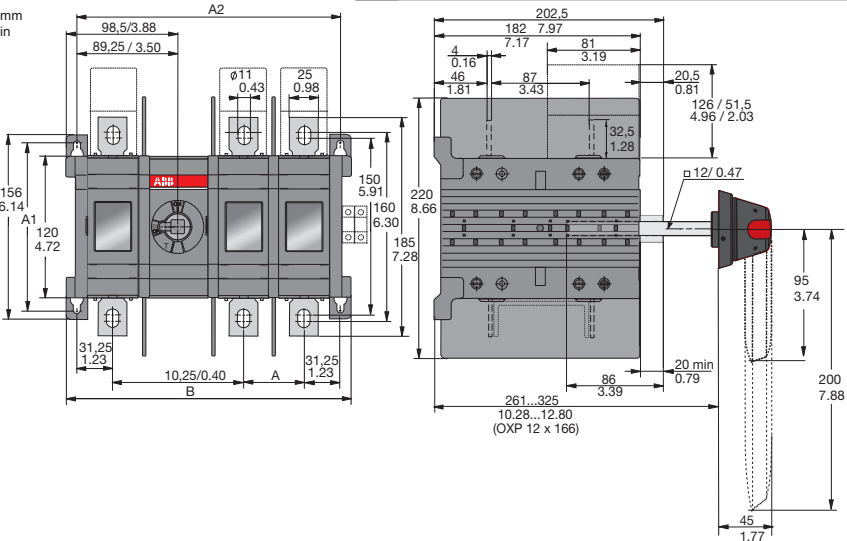
OT400_D_			
	U02	U03	U04
A	54 / 2.13	54 / 2.13	54 / 2.13
A1	142 / 5.59	142 / 5.59	142 / 5.59
A2	178,5 / 7.03	232,5 / 9.15	286,5 / 11.28
B	197 / 7.76	251 / 9.88	305 / 12.01



M00246 / 400U02-04D_ C AG0023

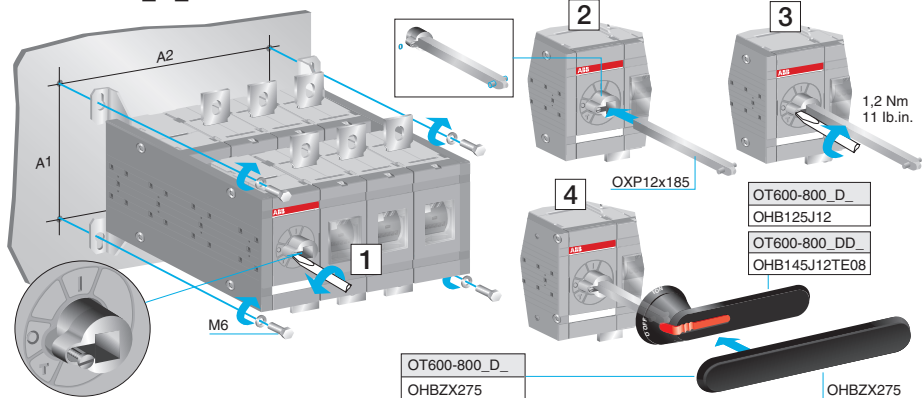
OT400U12-33D_

OT400U_D_					
	U12	U13	U22	U23	U33
A	54 / 2.13	54 / 2.13	54 / 2.13	54 / 2.13	54 / 2.13
A1	142 / 5.59	142 / 5.59	142 / 5.59	142 / 5.59	142 / 5.59
A2	232,5 / 9.15	286,5 / 11.28	286,5 / 11.28	340,5 / 13.41	394,5 / 15.53
B	251 / 9.88	305 / 12.01	305 / 12.01	359 / 14.13	413 / 16.26

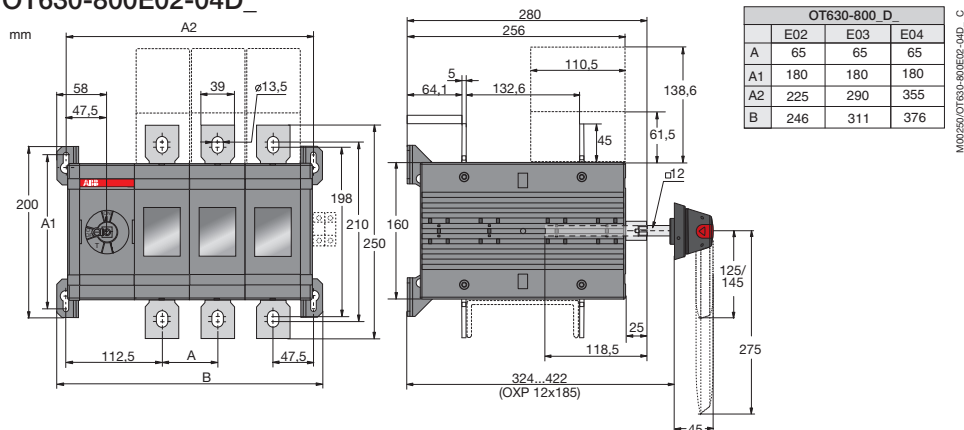


M00247 / OT400U12-33D_ C

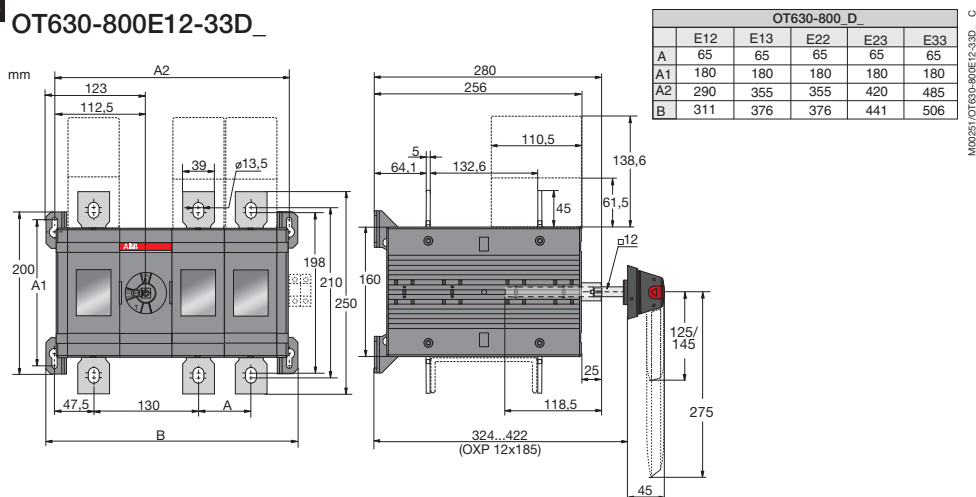
12 OT600-800_D_



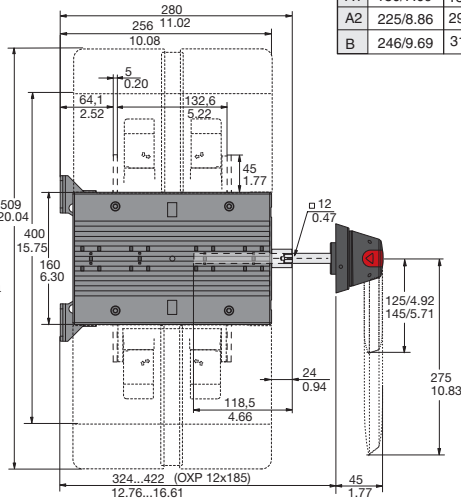
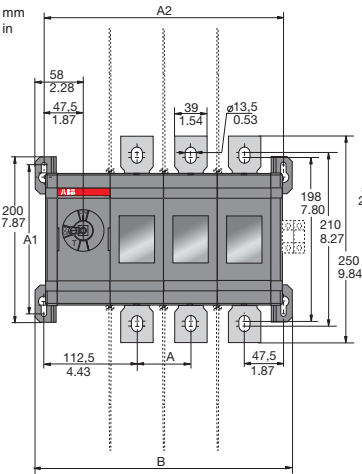
13 OT630-800E02-04D_



14 OT630-800E12-33D_



OT600U02-04D_

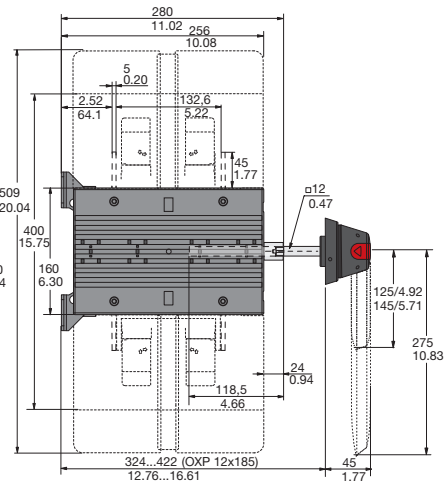
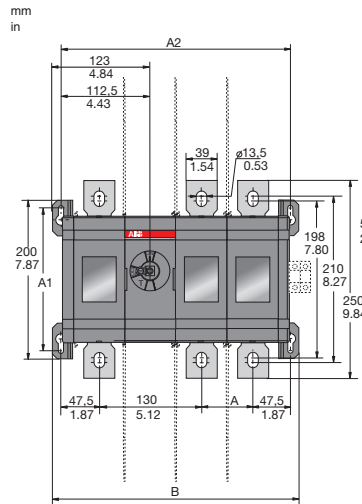


OT600_D_			
	U02	U03	U04
A	65/2.56	65/2.56	65/2.56
A1	180/7.09	180/7.09	180/7.09
A2	225/8.86	290/11.42	355/13.98
B	246/9.69	311/12.24	376/14.80

M00248/OT600U02-04D_ C

A08025

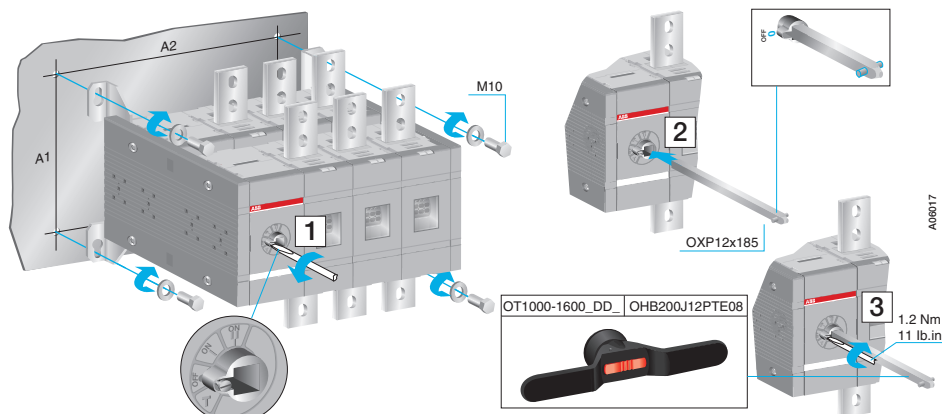
OT600U12-33D_



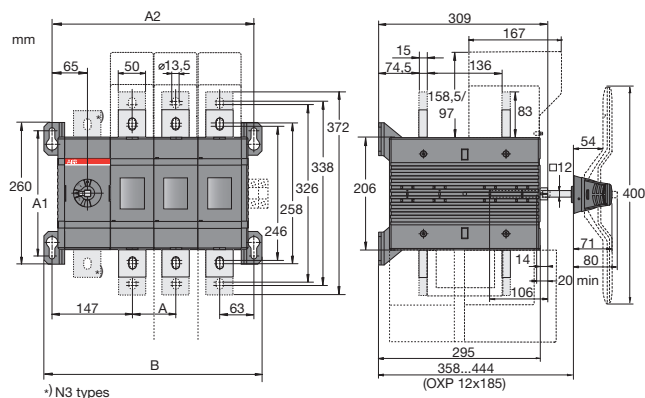
OT600_D_					
	U12	U13	U22	U23	U33
A	65 / 2.56	65 / 2.56	65 / 2.56	65 / 2.56	65 / 2.56
A1	180 / 7.09	180 / 7.09	180 / 7.09	180 / 7.09	180 / 7.09
A2	290 / 11.42	355 / 13.99	355 / 13.98	420 / 6.54	485 / 19.10
B	311 / 12.25	376 / 14.81	376 / 14.80	441 / 17.36	506 / 19.92

M00249/OT600U12-33D_ C

17 OT1000-1600_DD_



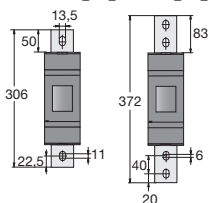
18 OT1000-1600E02-04DD_



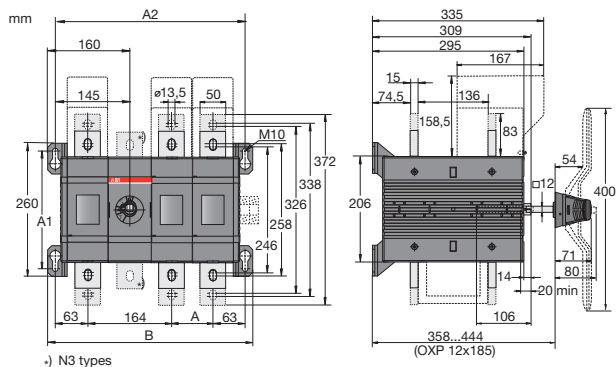
OT1000-1600_DD			
	E02	E03	E04
A	80	80	80
A1	230	230	230
A2	290	370	450
B	320	400	480

MM312 OT1600E02_04DD_ A

OT1000-1250_DD_ OT1600_DD_



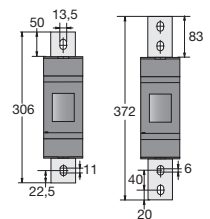
19 OT1000-1600E12-22DD_



OT1000-1600_DD			
	E12	E13	E22
A	80	80	80
A1	230	230	230
A2	370	450	450
B	400	480	480

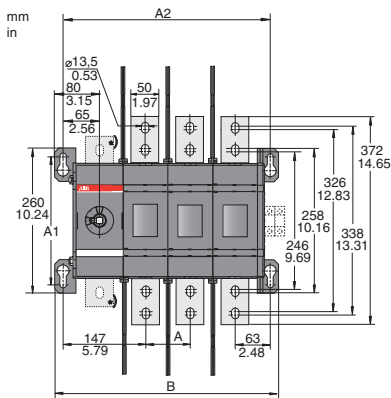
MM311 OT1000-1600E12-22DD_ B

OT1000-1250_DD_ OT1600_DD_

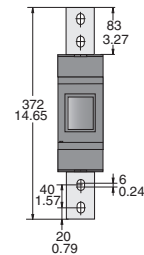
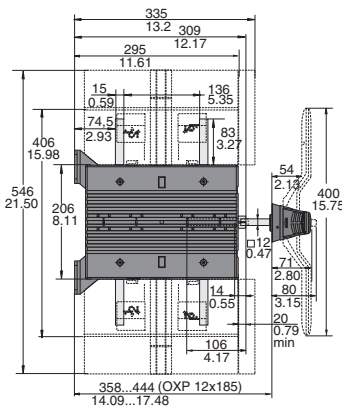


OT800-1200U02-04DD_

OT800-1200_DD			
	U02	U03	U04
A	80 / 3.15	80 / 3.15	80 / 3.15
A1	230 / 9.06	230 / 9.06	230 / 9.06
A2	290 / 11.42	370 / 14.56	450 / 17.72
B	320 / 12.60	400 / 15.75	480 / 18.90



→ N3 types

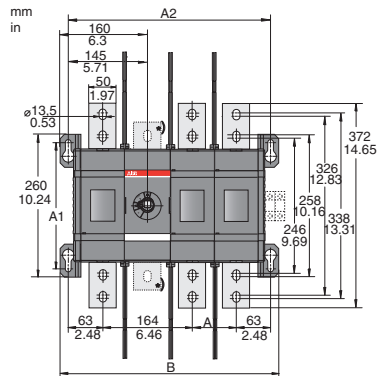


A06018

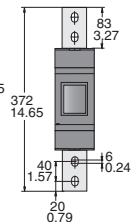
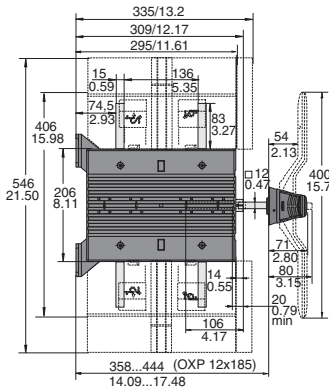
M00309/OT800-1200U02-04DD_ B

OT800-1200U12-22DD_

OT800-1200_DD			
	U12	U13	U22
A	80 / 3.15	80 / 3.15	80 / 3.15
A1	230 / 9.06	230 / 9.06	230 / 9.06
A2	370 / 14.56	450 / 17.72	450 / 17.72
B	400 / 15.75	480 / 18.90	480 / 18.90



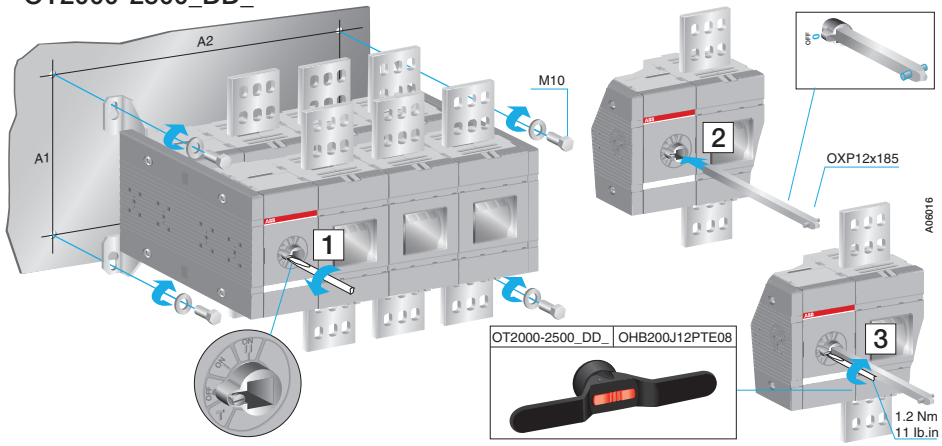
→ N3 types



M00310/OT800-1200U12-22DD_ B

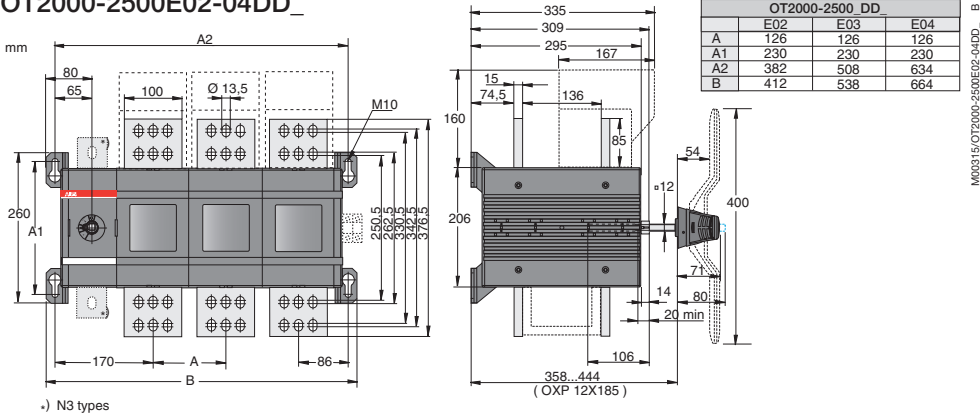
22

OT2000-2500_DD_



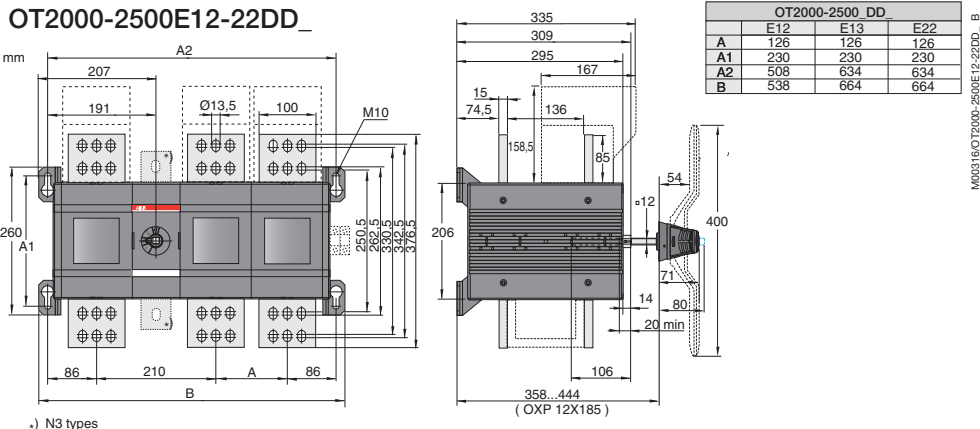
23

OT2000-2500E02-04DD_

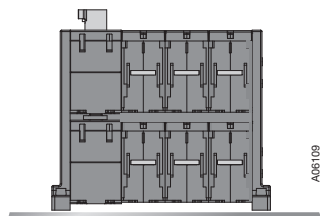
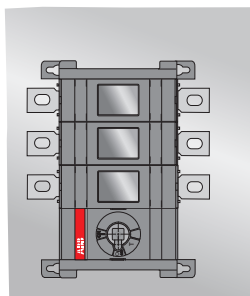
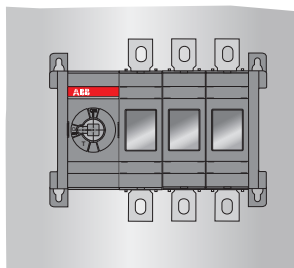


24

OT2000-2500E12-22DD_

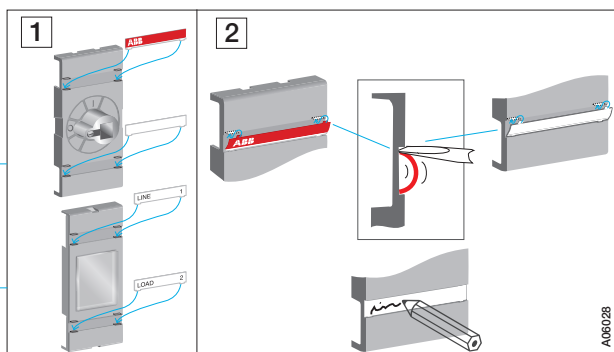
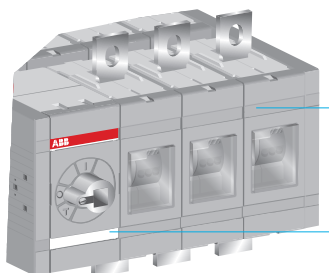


Mounting positions



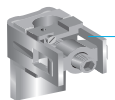
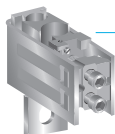
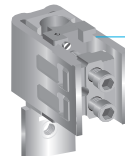
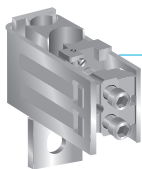
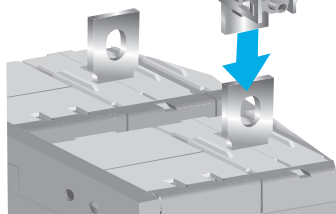
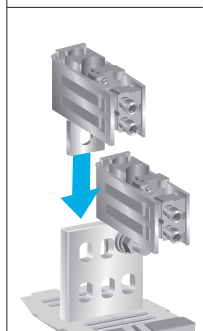
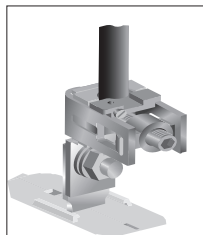
A06109

Label



A06028

Terminal clamp sets OZX_



OT2000-2500E_DD_

OZXB3
OZXB4
OZXB5
OZXB6
OZXB7L

OT1000-1600E_DD_

OZXB3
OZXB4
OZXB5
OZXB6*
OZXB7L

OT630-OT800E_D_

OZXB3
OZXB4
OZXB5
OZXB6*
OZXB7L

OT315-OT400E_D_

OZXB2L
OZXB3
OZXB7
OZXB7L
OZXB8
OZXB9

OT160-OT250E_D_

OZXB1L
OZXB2
OZXB2L
OZXB8
OZXB9

OT800-1200U_DD_

OZXA-1200_
OZXA-1206_

* max. 1 pcs/side

OT600U_D_

OZXA-800_
OZXA-806_

* max. 1 pcs/side

OT400U_D_

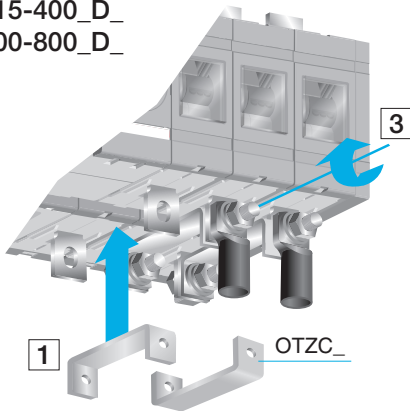
OZXA-400_
OZXA-406_

OT200U_D_

OZXA-200_
OZXA-206_

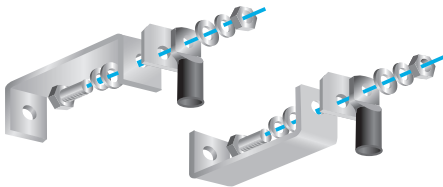
28

OT160-250_D_
OT315-400_D_
OT600-800_D_



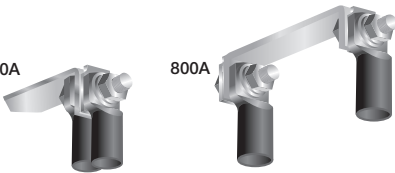
2

OT160-250_D_	OTZC13, OTZC14
OT315-400_D_	OTZC23, OTZC24
OT600-800_D_	OTZC33, OTZC34



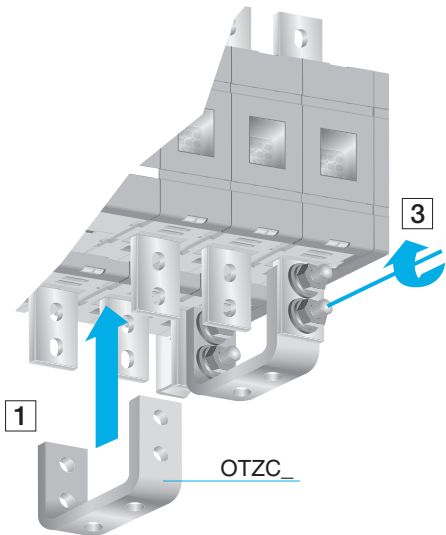
630A

800A



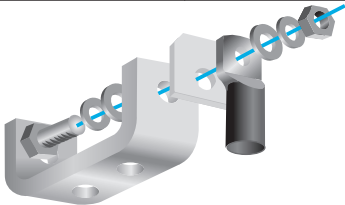
29

OT1000-1600_DD_

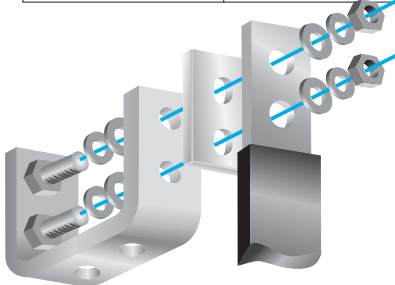


2

OT1000-1250E_DD_	OTZC43, OTZC44
------------------	----------------

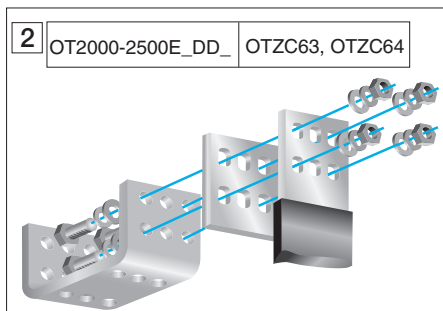
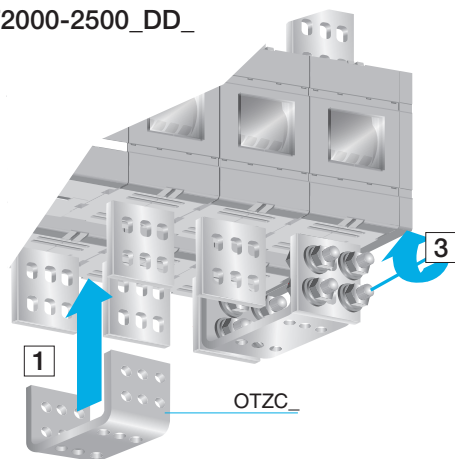


OT1600E_DD_, OT800-1200U_DD_	OTZC53, OTZC54
---------------------------------	----------------

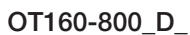
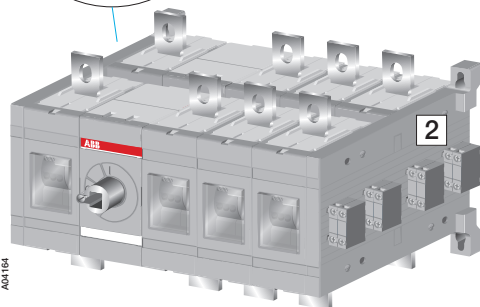
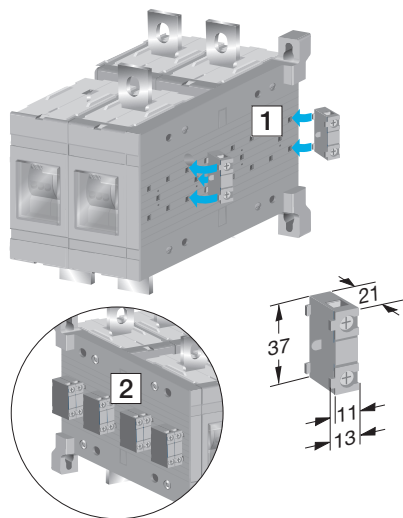


A06026

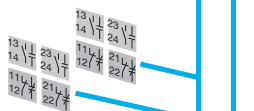
OT2000-2500_DD_



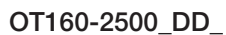
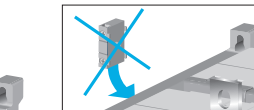
Auxiliary contacts OA_



	OA 1G10	OA 3G01
I		
O		
TEST		



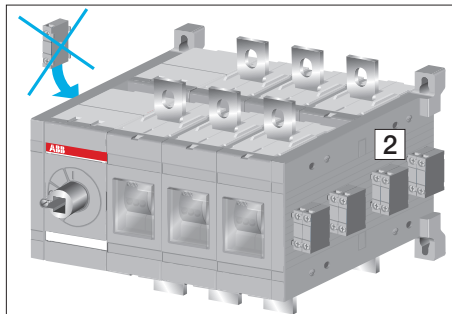
	OA 1G10	OA 3G01
I		
O		
TEST		



	OA 1G10	OA 3G01
I		
I+II		
I		
0		
TEST		



II max 2+2		
	OA 1G10	OA 3G01
I+II		
I		
0		
TEST		



TEST OA_

1

OT200-250_D_

OT315-2500_D_

2,5 mm
1,8...2 Nm 16 - 18 lb.in.

2

A

C

B

OT160-800_D_

0	I	0	Test	0
Main contact				
Test contact (NO)				
Test indication contact (NO)				
Test contact (NC)				
Test indication contact (NC)				

OT160-2500_DD_

0	I	I-II	I	0	Test	0
Main contact SWITCH I						
Main contact SWITCH II						
Test contact (NO)						
Test indication contact (NO)						
Test contact (NC)						
Test indication contact (NC)						

OT160-250_D_

NO: OA1G10, NC: OA3G01

Test contact

Max 2

0 mm
0 in.

Test contact

Max 2

Test indication contact

Max 2

0 mm
0 in.

OT315-400_D_, OT600-800_D_

NO: OA1G10, NC: OA3G01

Test contact

Max 2

Max 2

Test indication contact

Max 2

Max 2

OT1000-1600_DD_, OT2000-2500_DD_

NO: OA1G10, NC: OA3G01

Test contact

MAX 2

MAX 2

MAX 2

TEST IND.

TEST IND.

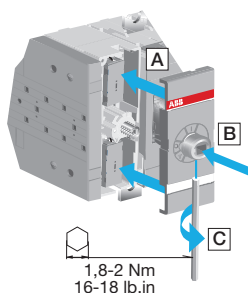
Test indication contact

MAX 2

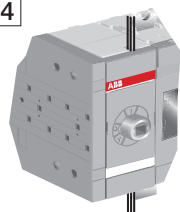
MAX 2

MAX 2

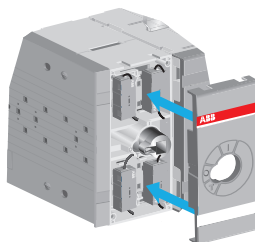
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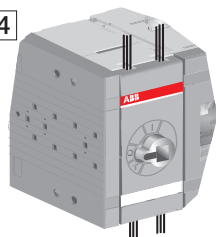
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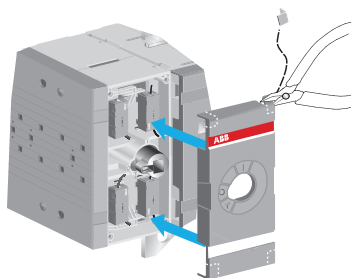
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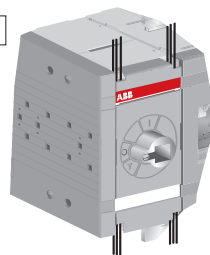
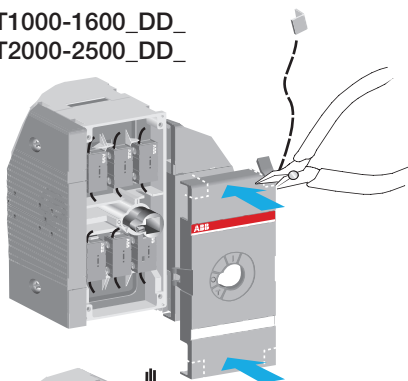
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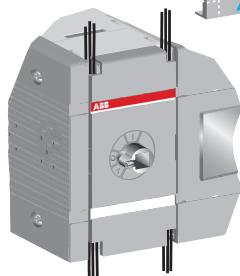
3 OT600-800_D_



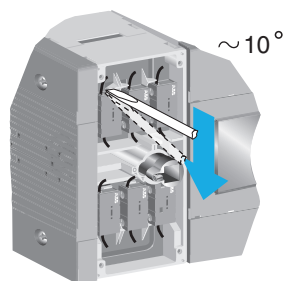
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3 OT1000-1600_DD_
OT2000-2500_DD_

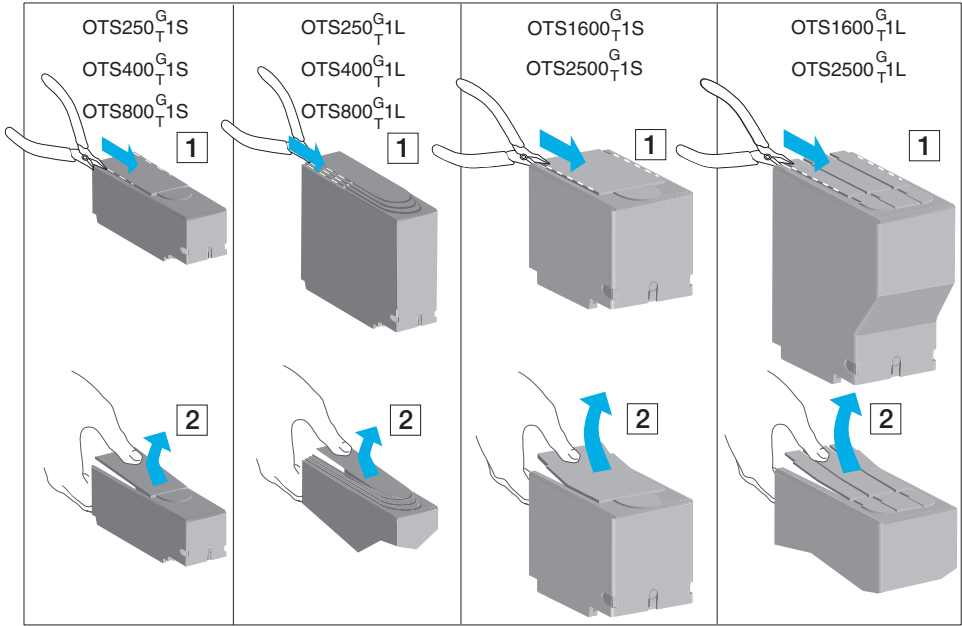
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Remove

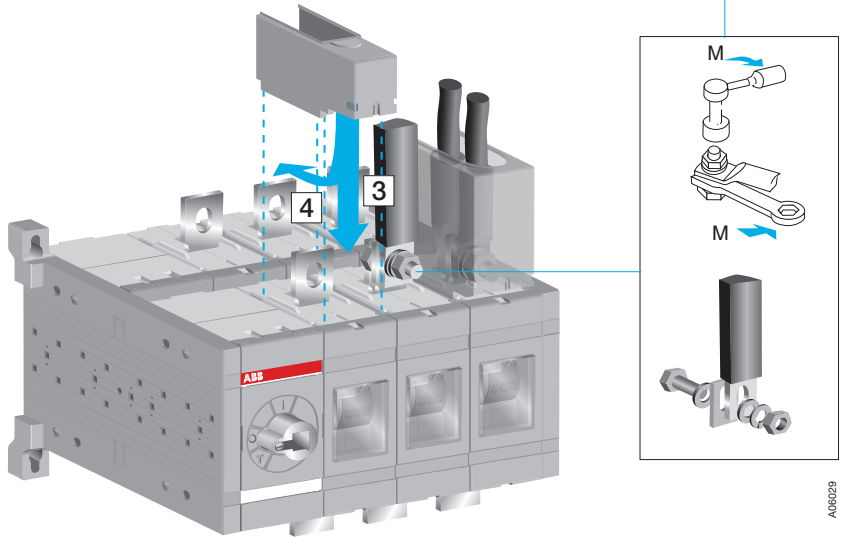


34 OTS_



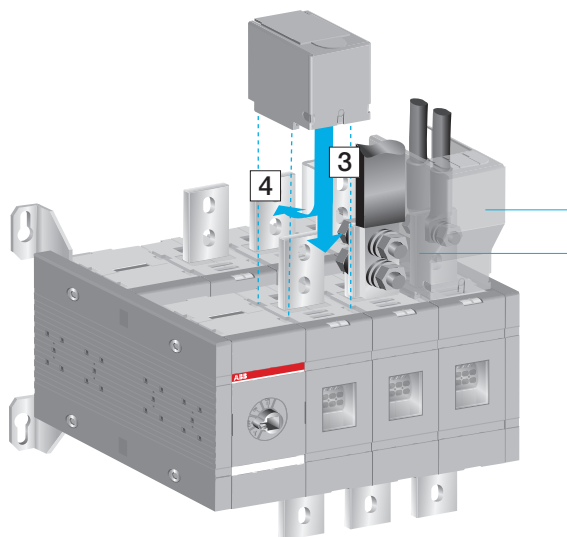
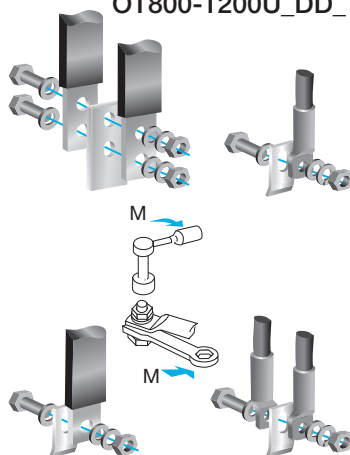
OT160-250_D_
OT315-400_D_
OT600-800_D_

			M	M
OT160-250_D_	OTS250_	M8	15...22 Nm	5/6DIA IN. 133-195 lb.in.
OT315-400_D_	OTS400_	M10	30...44 Nm	266-390 lb.in.
OT600-800_D_	OTS800_	M12	50...75 Nm	433-664 lb.in.



35

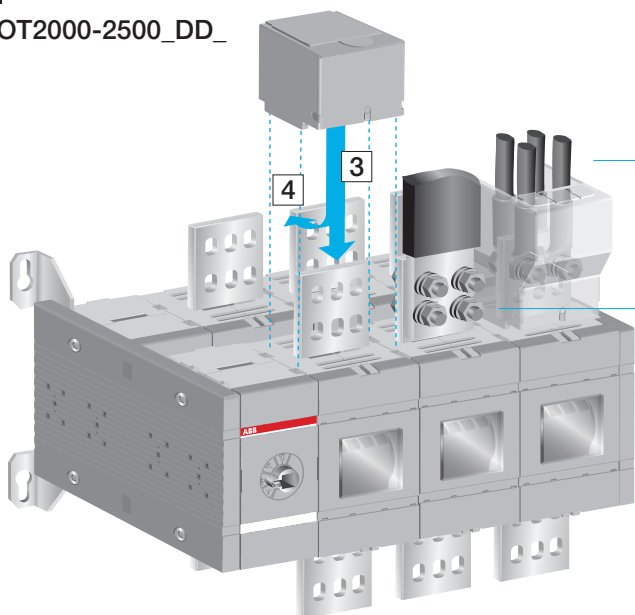
OT1000-1600_DD_

OT1000-1600E_DD_
OT800-1200U_DD_

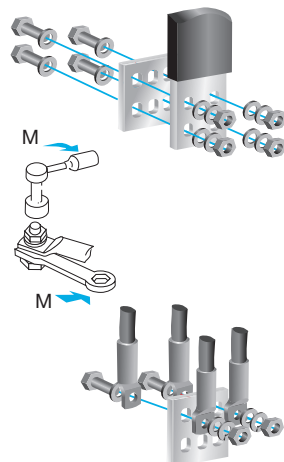
M12	50...75Nm	443-664 lb.in.
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OT2000-2500_DD_



OT2000-2500E_DD_



M12	50...75Nm	443-664 lb.in.
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A06030

OH_ZVX

OHBZX200-275



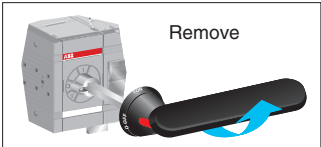
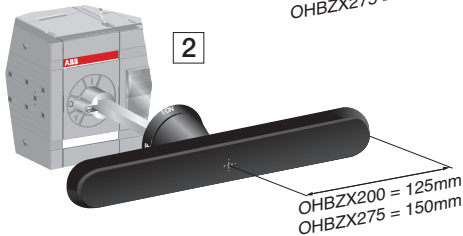
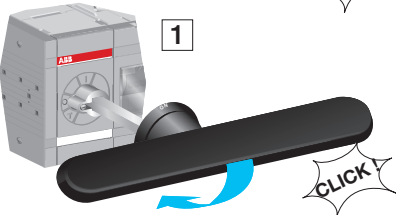
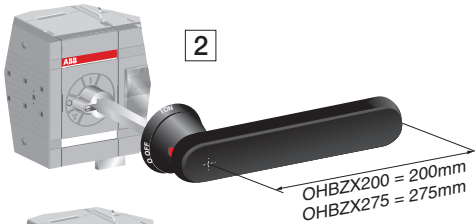
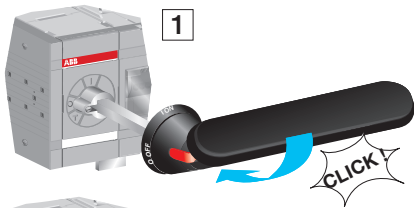
OHBZX200

OT160-250_DP

OT315-400_DP

OHBZX275

OT630-800_DP

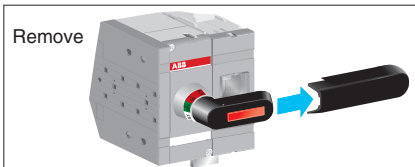
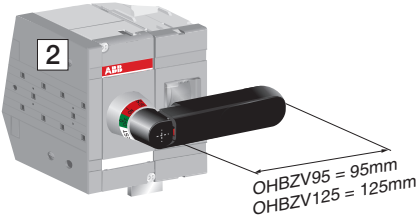
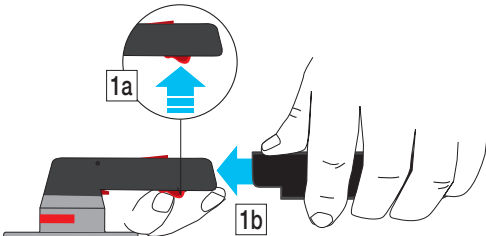
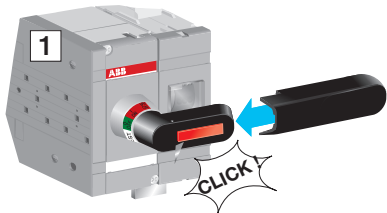


OHBZV95-125



OHBZV95, OHBZV125

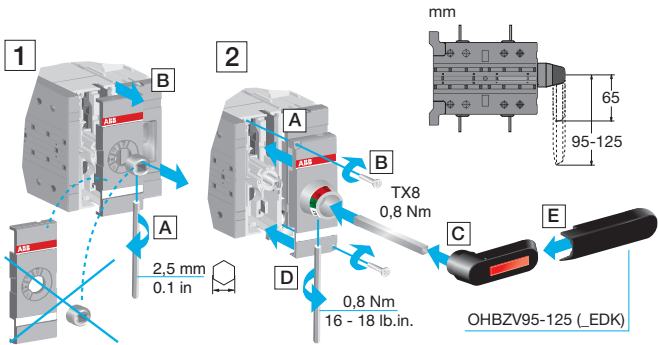
OT160-250_DK



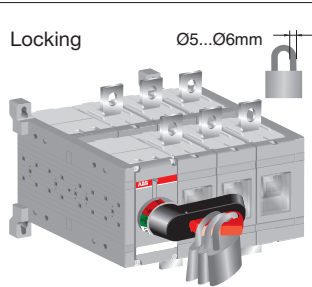
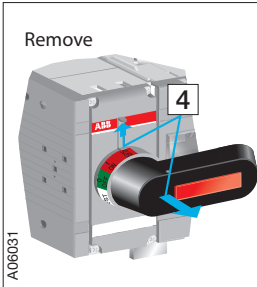
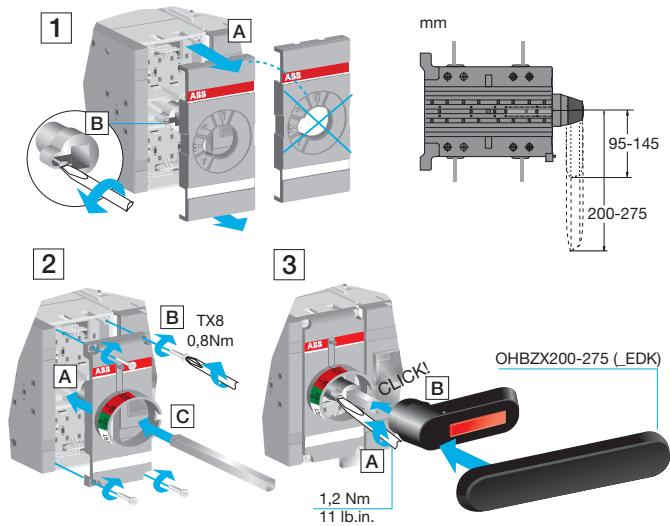
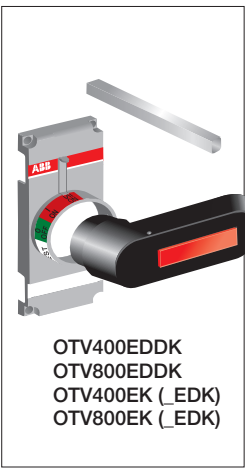
A06300

38 OTV_

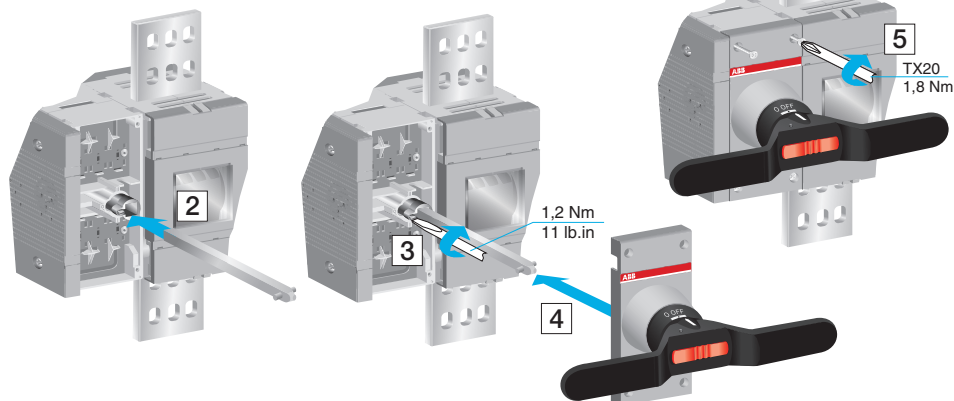
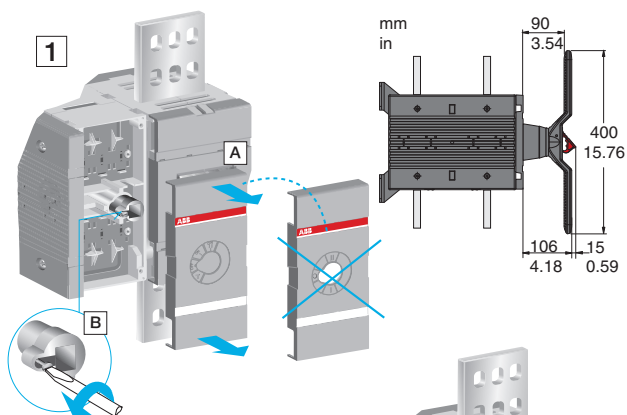
OT200-250_D_



OT315-800_D_

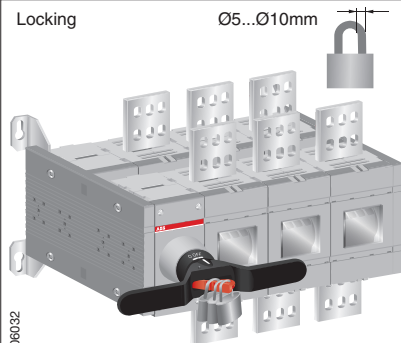


OT1000-1600_DD_
OT2000-2500_DD_

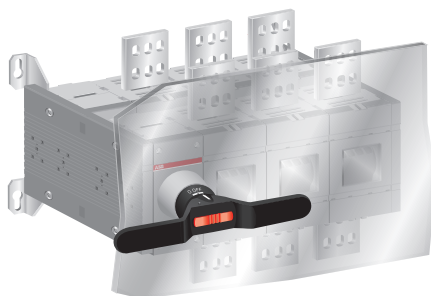


Locking

Ø5...Ø10mm

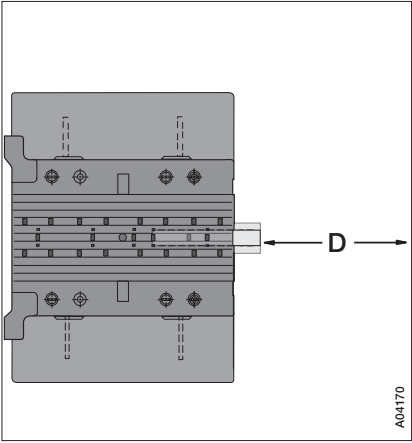
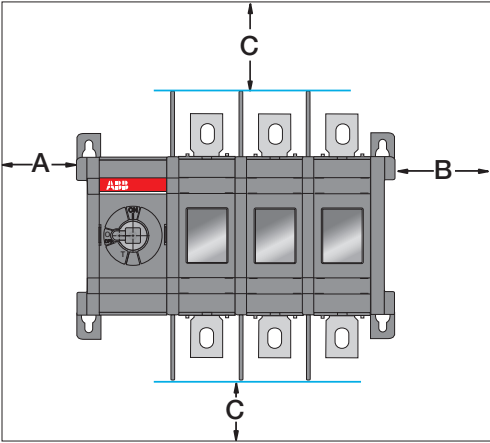


Note: Use protection against direct contact.
For example:



40

Clearances per UL98



A04170

	Current	Height	Width	Depth
OT200U_D_		406 mm/16 in	305 mm/12 in	203 mm/8 in
OT400U_D_		610 mm/24 in	356 mm/14 in	254 mm/10 in
OT600U_D_		610 mm/24 in	700 mm/28 in	400 mm/16 in
OT800-1200U_DD_				

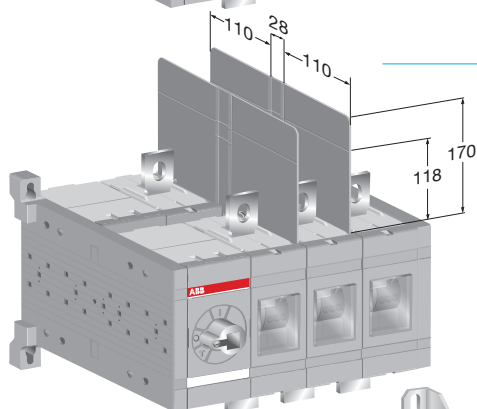
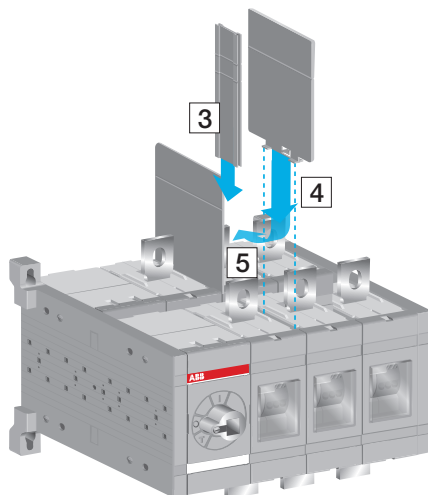
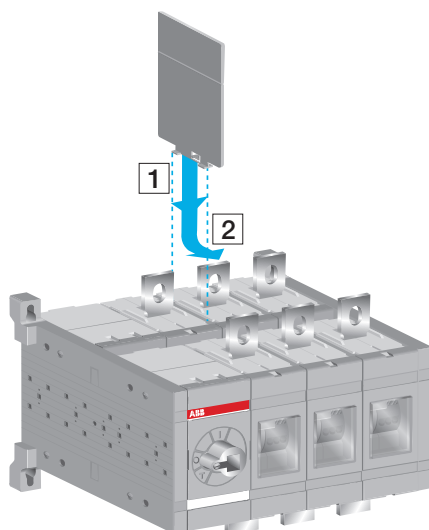
	A	B	D
OT200-1200U_DD_	0	13 mm/0.5 in	13 mm/0.5 in

OT200U_D_			
Cable size		Cable size	
AWG	C	MCM	C
4-3	100 mm/4 in	250	200 mm/8 in
2	100 mm/4 in	300	250 mm/10 in
1	100 mm/4 in		
1/0	125 mm/5 in		
2/0	150 mm/6 in		
3/0-4/0	175 mm/7 in		

OT400U_D_			
Cable size		Cable size	
AWG	C	MCM	C
2	100 mm/4 in	250	250 mm/8 in
1	100 mm/4 in	300	250 mm/10 in
1/0	125 mm/5 in	350	300 mm/12 in
2/0	150 mm/6 in		
3/0-4/0	175 mm/7 in		

OT600-1200U_DD_			
Cable size		Cable size	
AWG	C	MCM	C
2	100 mm/4 in	250	200 mm/8 in
1	100 mm/4 in	300	250 mm/10 in
1/0	125 mm/5 in	350	300 mm/12 in
2/0	150 mm/6 in	400	330 mm/13 in
3/0-4/0	175 mm/7 in	500	356 mm/14 in
		600	381 mm/15 in

Phase barriers OTB_



Phase barrier type 68838 on:
OT600U_D_

Phase barriers 68838 or shrouds must be used to maintain a clearance of 1 inch on OT600U_D_, if lugs are wider than 39 mm/1.54 in.

The Type for the package of 6 barriers is OTB800/6D.

Phase barrier type 68912 on:

OT800-1200U_DD_

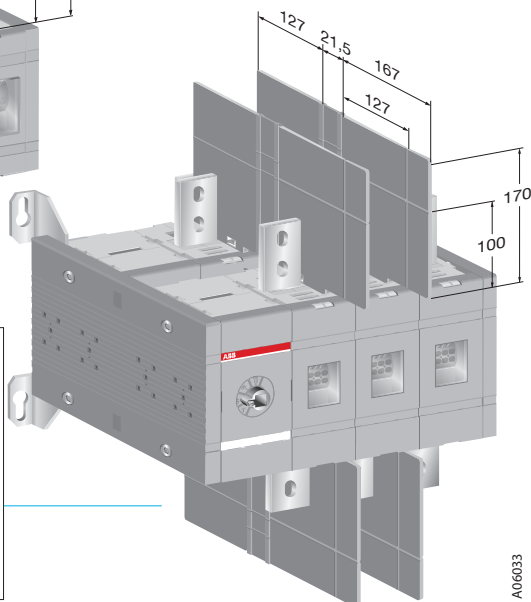
OT1000-1600E_DD_

OT2000-2500E_DD_

Phase barriers 68912 must be used on OT1000-2500E_DD_ if the voltage is > 415 V.

Phase barriers 68912 or shrouds must be used to maintain a clearance of 1 inch on OT800U_DD_ and OT1200U_DD_, if lugs are wider than 54 mm/2.13 in.

The type for package of 6 barriers is OTB1600/6D.



A06033

This image shows a full page of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page, typical of notebook paper. There are no margins, text, or other markings on the page.

The technical data and dimensions are valid at the time of printing.
We reserve the right to make subsequent alterations.



BG	Внимание! Опасно напряжение! Да се монтира само от лице с електротехническа квалификация.
FR	Avertissement! Tension électrique dangereuse! Installation uniquement par des personnes qualifiées en électrotechnique.
MT	Twissja! Vultaġġ perikoluż! Għandu jiġi installat biss minn persuna b'kompetenza elettroteknika.
HR	Upozorenje! Opasan napon! Postavljati smije samo elektrotehnički stručnjak.
DE	Warnung! Gefährliche Spannung! Installation nur durch elektrotechnische Fachkraft.
PL	Ostrzeżenie! Niebezpieczne napięcie! Instalacji może dokonać wyłącznie osoba z fachową wiedzą w dziedzinie elektrotechniki.
CZ	Varování! Nebezpečné napětí! Montáž smí provádět výhradně elektrotechnik!
EL	Προειδοποίηση! Υψηλή τάση! Η εγκατάσταση πρέπει να γίνεται μόνο από εξειδικευμένους ηλεκροτεχνικούς.
PT	Aviso! Tensão perigosa! A instalação só deve ser realizada por um electricista especializado.
DA	Advarsel! Farlig elektrisk spænding! Installation må kun foretages af personer med elektroteknisk ekspertise.
HU	Figyelemzetetés! Veszélyes feszültség! Csak elektrotechnikai tapasztalattal rendelkező szakember helyezheti üzembe.
RO	Avertizare! Tensiune periculoasă! Instalarea trebuie efectuată numai de către o persoană cu experiență în electrotehnică.
NL	Waarschuwing! Gevaarlijke spanning! Mag alleen geïnstalleerd worden door een deskundige elektrotechnicus.
IE	Rabhadh! Voltas guaiseach! Ba chóir do dhuine ag a bhfuil saineolas leictreicniúil, agus an té sin amháin, é seo a shuiteáil.
SK	Varovanie! Nebezpečné napätie! Montáž môže vykonávať iba skúsený elektrotechnik.
EN	Warning! Hazardous voltage! Installation by person with electrotechnical expertise only.
IT	Avvertenza! Tensione pericolosa! Fare installare solo da un elettricista qualificato.
SL	Opozorilo! Nevarna napetost! Vgradnjo lahko opravi le oseba z elektrotehničnim strokovnim znanjem.
ET	Hoiatus! Ohtlik pinge. Paigaldada võib ainult elektrotehnikalaane ekspert.
LV	Uzmanību! Bīstami - elektrība! Montāžas darbus drīkst veikt tikai personas, kurām ir atbilstošas elektrotehniskās zināšanas.
ES	¡Advertencia! ¡Tensión peligrosa! La instalación deberá ser realizada únicamente por electricistas especializados.
FI	Varoitus! Vaarallinen jännite! Asennuksen voi tehdä vain sähköalan ammattihenkilö.
LT	Dėmesio! Pavojinga įtampa! Dirbti leidžiama tik elektrotechnikų patirties turintiems asmenims.
SE	Varning! Farlig spänning! Installation får endast utföras av en elektriker.
CN	警告！电压危险！只能由专业电工进行安装。
RU	Осторожно! Опасное напряжение! Монтаж должен выполняться только специалистом-электриком.

For more information please contact:

ABB Oy, Protection and Connection
P.O. Box 622, FI-65101 Vaasa, Finland
new.abb.com/low-voltage

Power and productivity
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