

Manual change-over and transfer switches OT_C

Installation instruction

34OT160-2500_C / 1SCC303008M0203

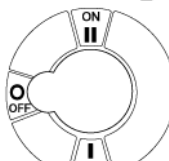
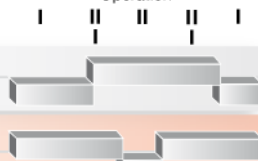


ABB

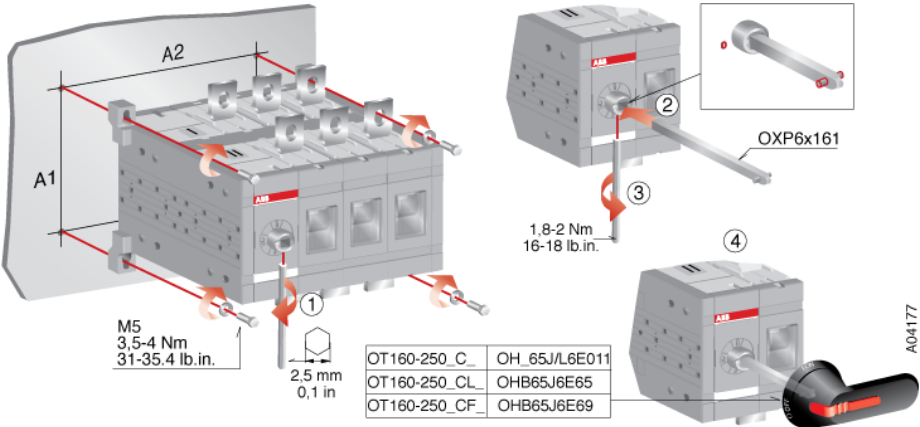
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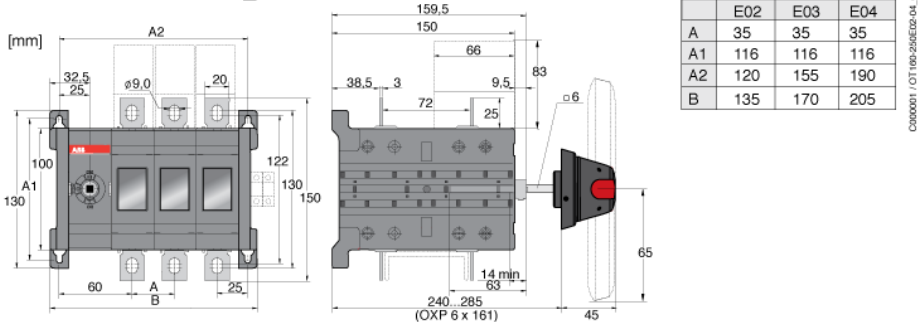
Operation

OT160-3200_C 	Operation 0 I 0 II 0 Switch II Close Open Switch I Close Open 
OT160-3200_CL 	Operation I II II II I Switch II Close Open Switch I Close Open 
OT160-800_CF 	Operation 0 I 0 II 0 Switch II Close Open Switch I Close Open 

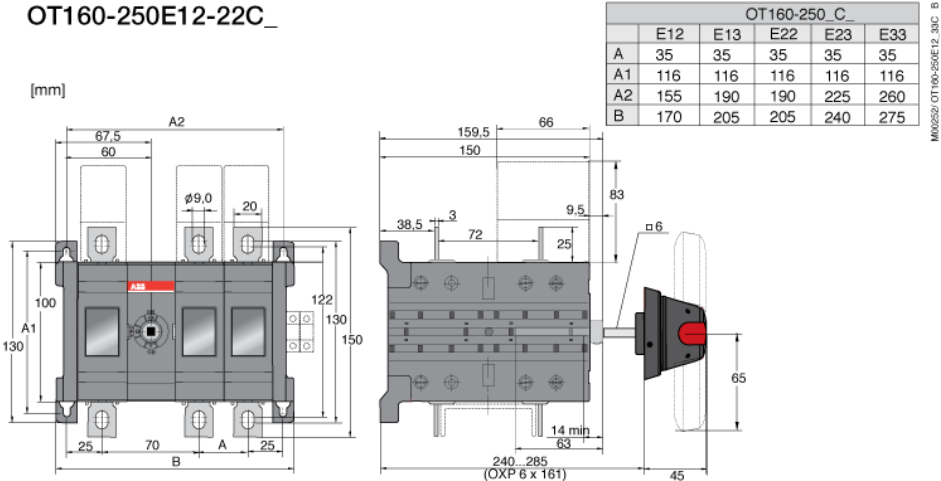
A06015



OT160-250E02-04C_

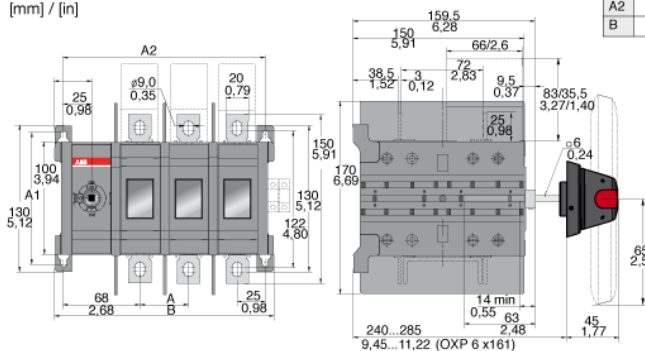


OT160-250E12-22C_



OT200U02-04C_

[mm] / [in]



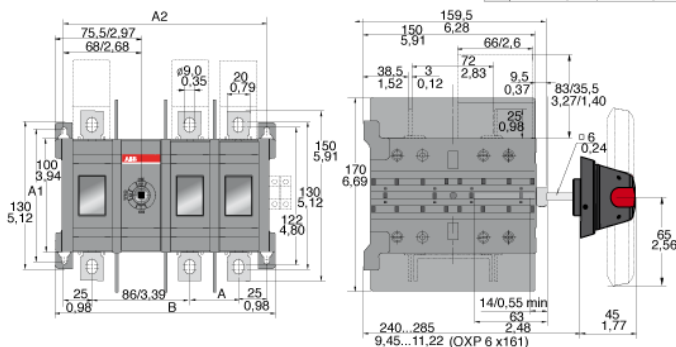
OT200_C_			
	U02	U03	U04
A	43 / 1,69	43 / 1,69	43 / 1,69
A1	116 / 4,57	116 / 4,57	116 / 4,57
A2	136 / 5,35	179 / 7,05	222 / 8,74
B	151 / 5,94	194 / 7,64	237 / 9,33

C000002 / OT200U02-04_C_ B

A06002

OT200U12-22C_

[mm] / [in]

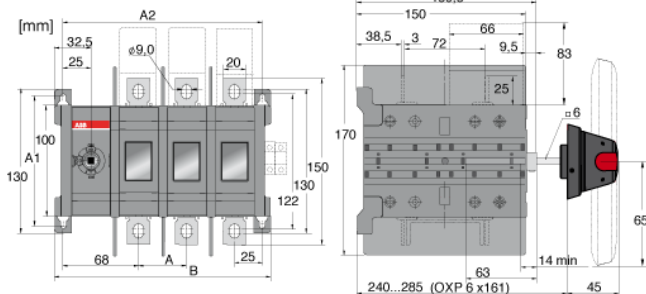


OT200_C_				
	U12	U13	U22	U23
A	43 / 1,69	43 / 1,69	43 / 1,69	43 / 1,69
A1	116 / 4,57	116 / 4,57	116 / 4,57	116 / 4,57
A2	179 / 7,05	222 / 8,75	222 / 8,74	265 / 10,43
B	194 / 7,64	237 / 9,34	237 / 9,33	280 / 11,02

M00233 / OT200U12-22C_ B

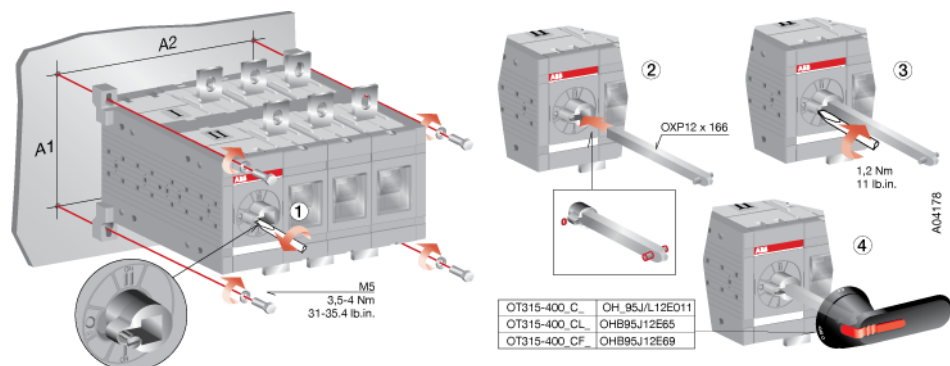
OT160-250E_WC_

[mm]

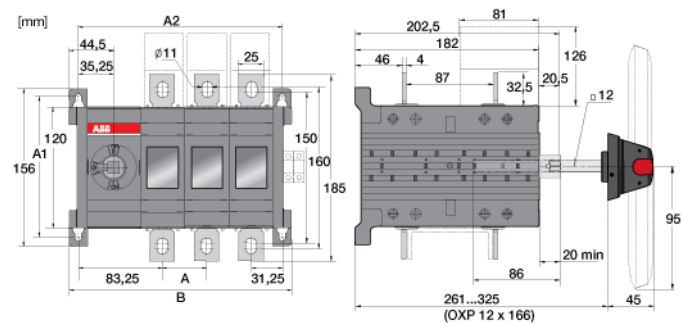


OT160-250_WC_			
	E02	E03	E04
A	43	43	43
A1	116	116	116
A2	136	179	222
B	151	194	237

C000010 / OT160-250E_WC_ B



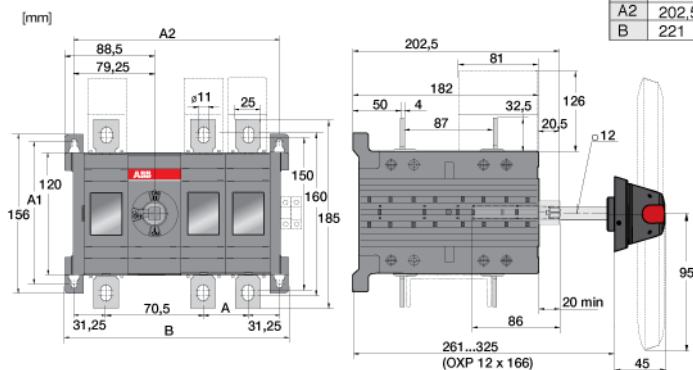
OT315-400E02-04C_



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

0200008 / 315-400E02-04_C_ B

OT315-400E12-22C_

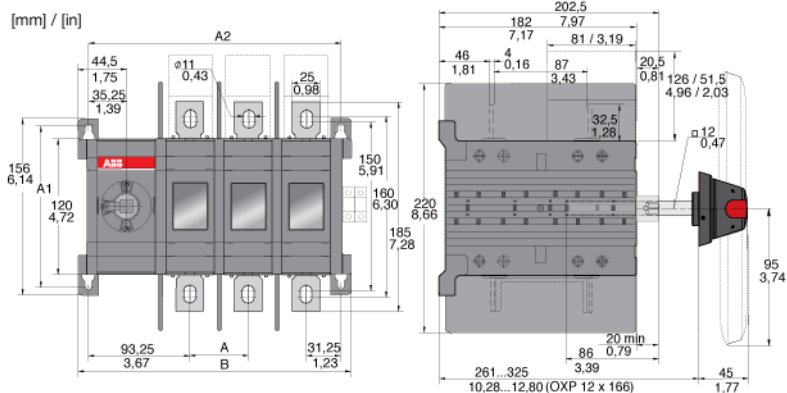


OT315-400_C					
	E12	E13	E22	E23	E33
A	44	44	44	44	44
A1	142	142	142	142	142
A2	202,5	246,5	246,5	290,5	334,5
B	221	265	265	309	253

M03294 / OT315-400E12-22C_ B

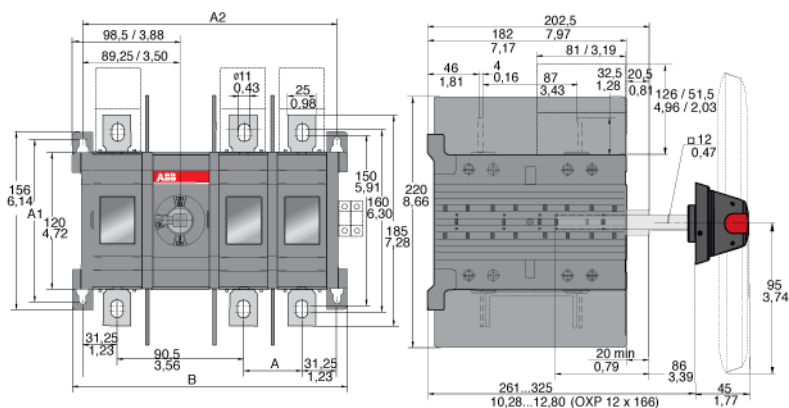
OT400U02-04C_

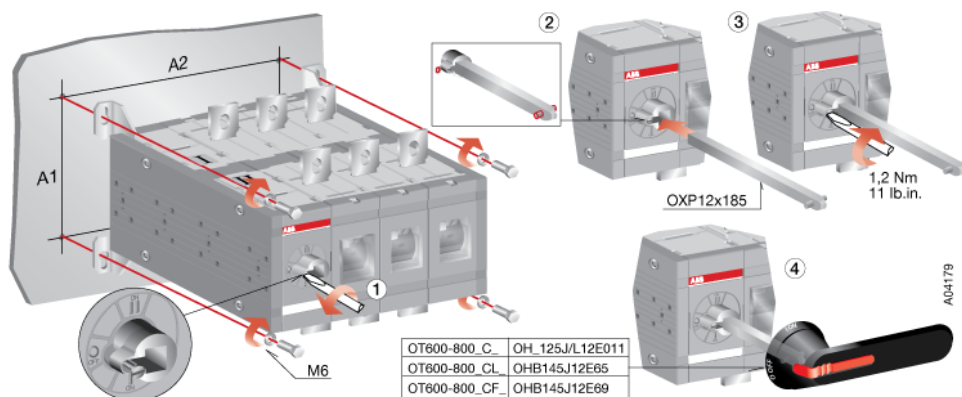
OT400_C_			
	U02	U03	U04
A	54 / 2,13	54 / 2,13	54 / 2,13
A1	142 / 5,59	142 / 5,59	142 / 5,59
A2	178,5 / 7,03	232,5 / 9,15	286,5 / 11,28
B	197 / 7,76	251 / 9,88	305 / 12,01



OT400U12-22C_

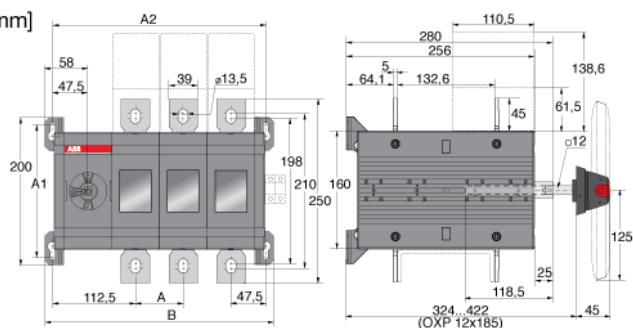
OT400_C_				
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A	54 / 2,13	54 / 2,13	54 / 2,13	54 / 2,13
A1	142 / 5,59	142 / 5,59	142 / 5,59	142 / 5,59
A2	232,5 / 9,15	286,5 / 11,28	286,5 / 11,28	340,5 / 13,41
B	251 / 9,88	305 / 12,01	305 / 12,01	359 / 14,13





OT630-800E02-04C_

[mm]

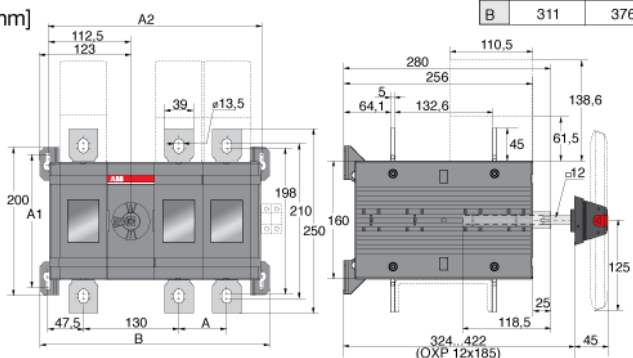


OT630-800_C_			
	E02	E03	E04
A	65	65	65
A1	180	180	180
A2	225	290	355
B	246	311	376

M00088/OT630-800E02-04C_ B

OT630-800E12-22C_

[mm]



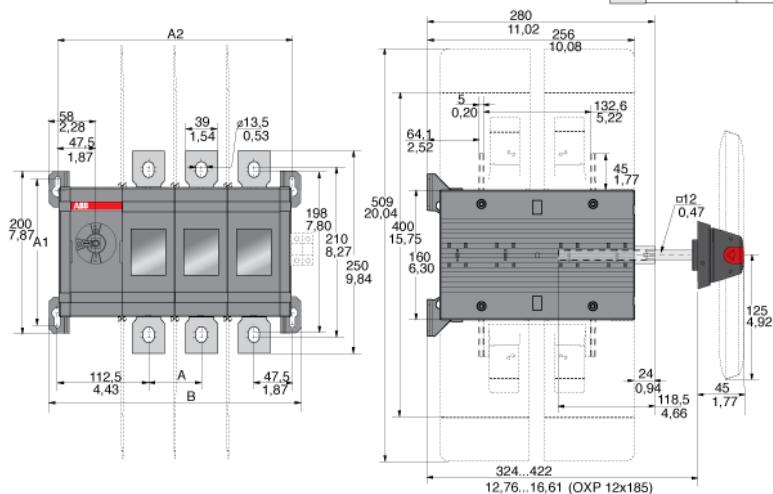
OT630-800_C_					
	E12	E13	E22	E23	E33
A	65	65	65	65	65
A1	180	180	180	180	180
A2	290	355	355	420	485
B	311	376	376	441	506

M00088/OT630-800E12-22C_ B

OT600U02-04C_

OT600_C_			
	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

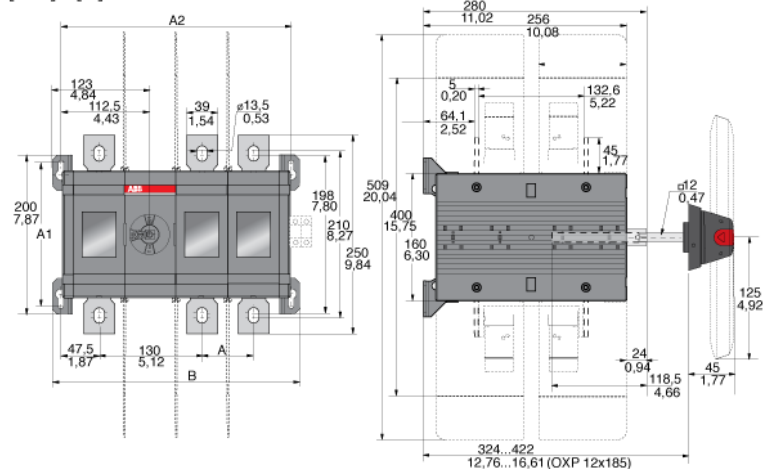
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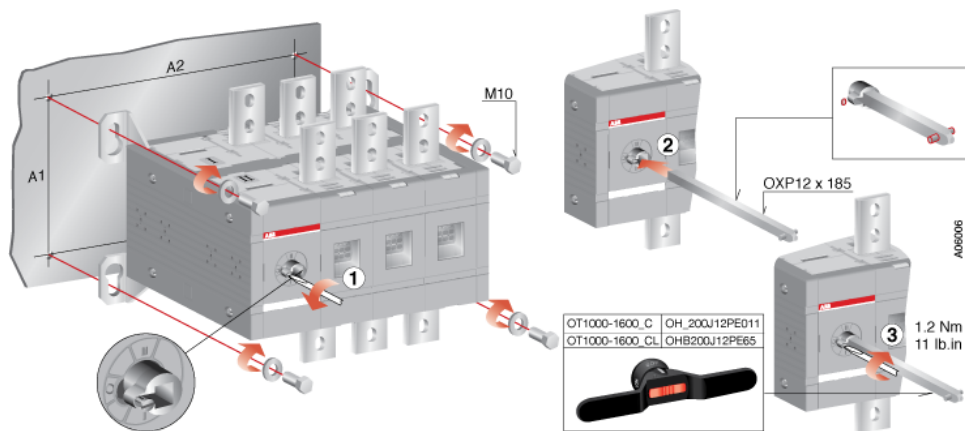


OT600U12-22C

OT600 C_					
	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 / 13,98	355 / 13,98	420 / 16,54	485 / 19,10
B	311 / 12,24	376 / 14,80	376 / 14,80	441 / 17,36	506 / 19,92

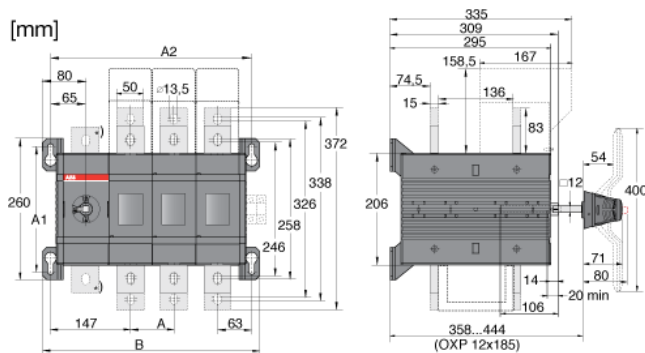
[mm] / [in]





OT1000-1600E02-04C_

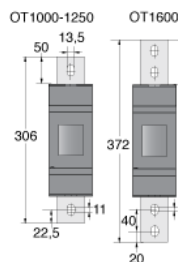
[mm]



-) N3 types

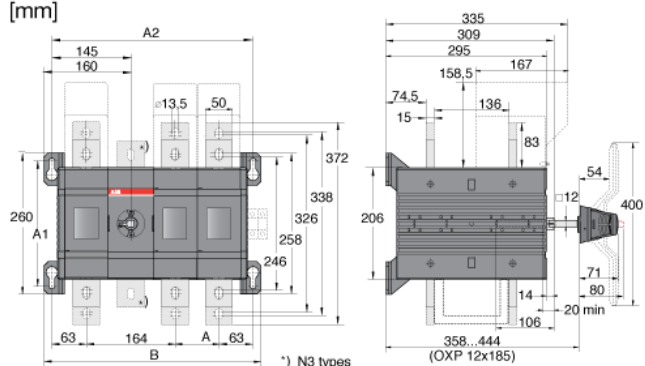
OT1000-1600 C			
	E02	E03	E04
A	80	80	80
A1	230	230	230
A2	290	370	450
B	320	400	480

M00155/OT1000-1600E C-1 D



OT1000-1600E12-22C_

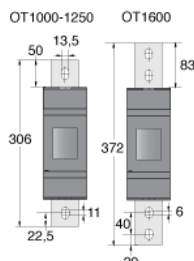
[mm]



-) N3 types

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

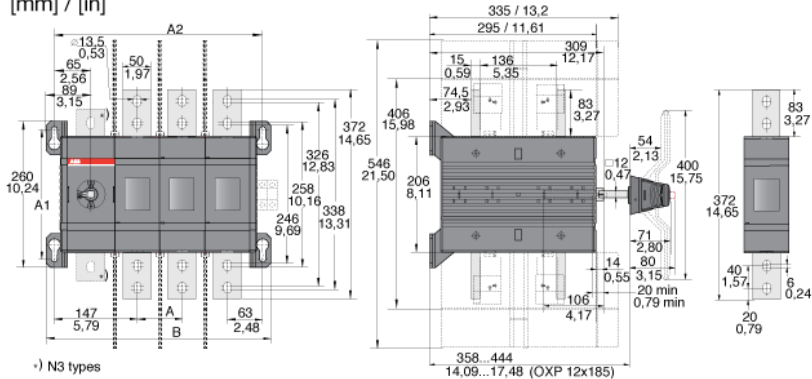
M00176/OT1000-1600E12-22C-1 D



OT800-1200U02-04C_

OT800-1200_C			
	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

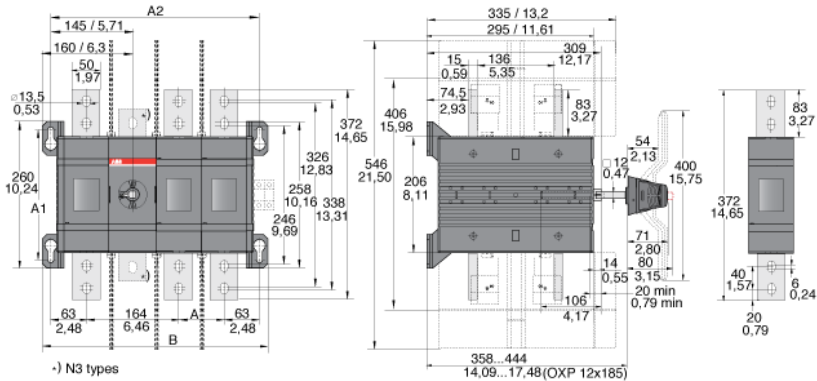
[mm] / [in]

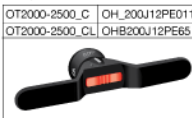


OT800-1200U12-22C_

OT800-1200_C			
	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

[mm] / [in]





OT2000-2500E02-04C

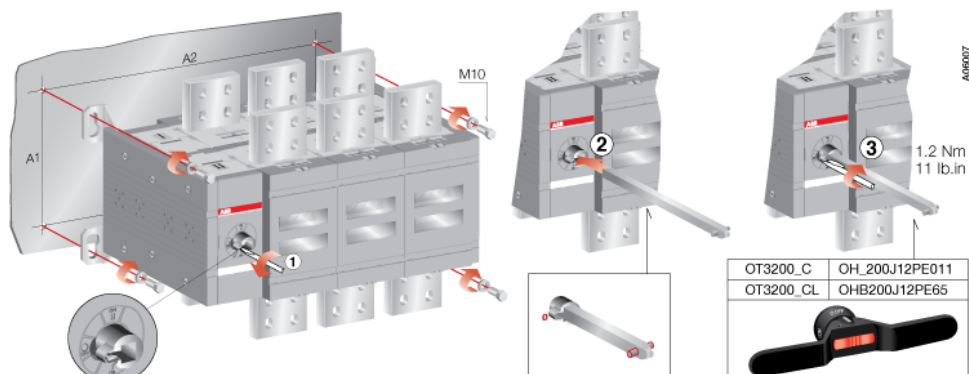
OT2000-2500_C_			
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A	126	126	126
A1	230	230	230
A2	382	508	634
B	412	538	664



OT2000-2500E12-22C_

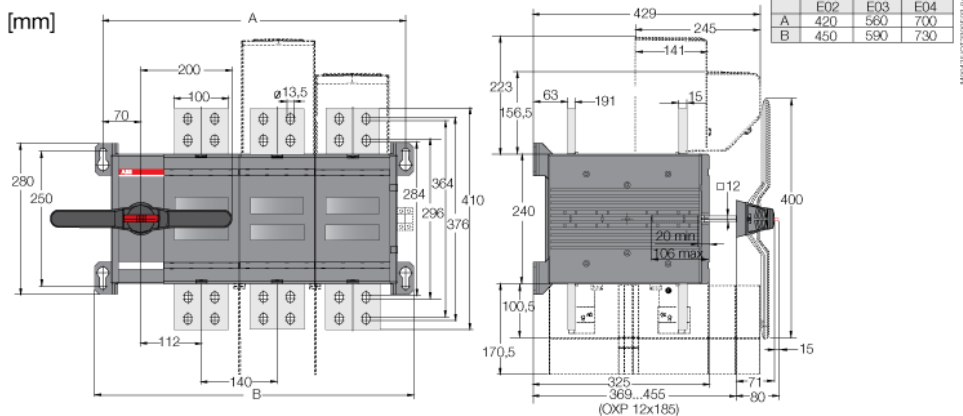
OT2000-2500_C_			
	E12	E13	E22
A	126	126	126
A1	230	230	230
A2	508	634	634
B	538	664	664





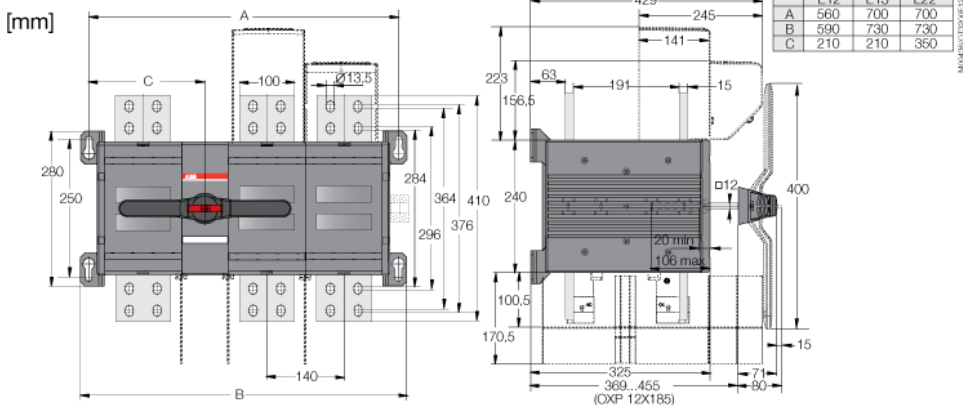
OT3200E02-04C_

[mm]

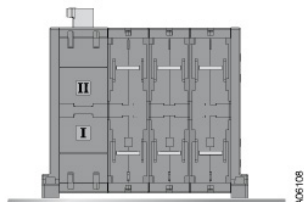
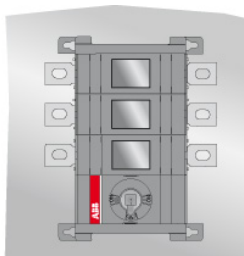
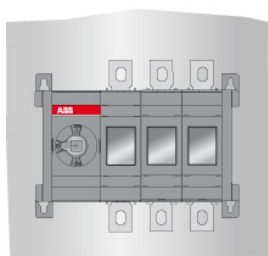


OT3200E12-22C_

[mm]

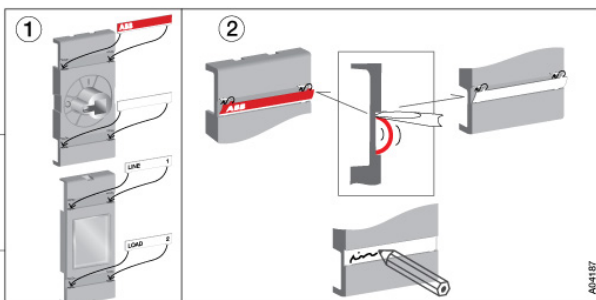
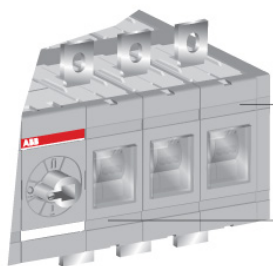


Mounting positions



AD1108

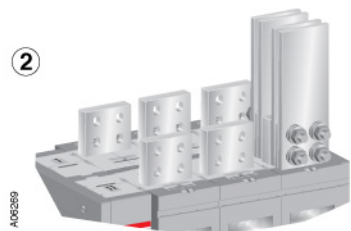
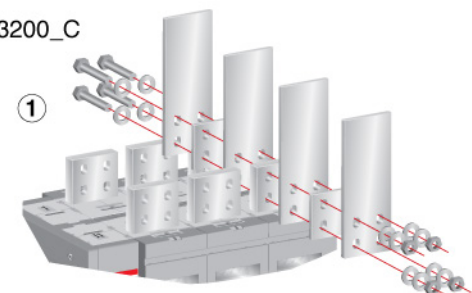
Label



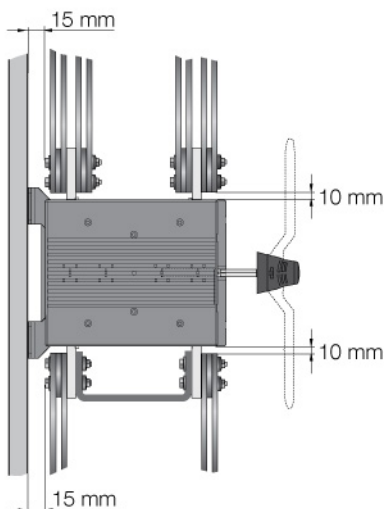
AD1187

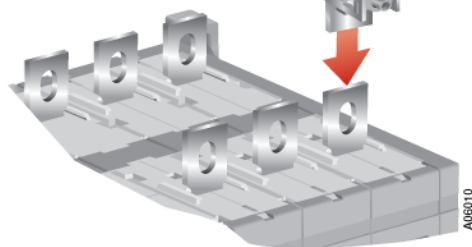
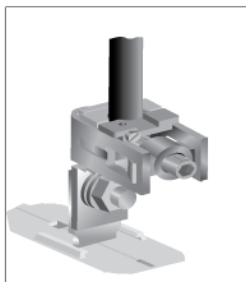
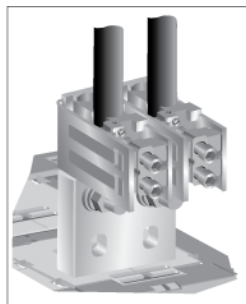
Connections

OT3200_C



AD3259



OZX_

OT2000-2500E_C_
OT3200E_C_

OZXB3
OZXB4
OZXB5
OZXB6
OZXB7L

OT1000-1600E_C_

OZXB3
OZXB4
OZXB5
OZXB6*
OZXB7L

OT630-800E_C_

OZXB3
OZXB4
OZXB5
OZXB6*
OZXB7L

OT315-400E_C_

OZXB2L
OZXB3
OZXB7
OZXB7L
OZXB8
OZXB9

OT160-250E_C_

OZXB1L
OZXB2
OZXB2L
OZXB8
OZXB9

OT800-1200U_C_

OZXA-1200_
OZXA-1206_

* max. 1 pcs/side

OT600U_C_

OZXA-800_
OZXA-806_

* max. 1 pcs/side

OT400U_C_

OZXA-400_
OZXA-406_

OT200U_C_

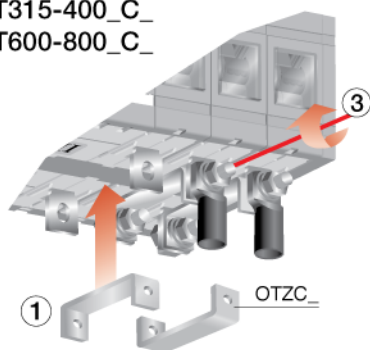
OZXA-200_
OZXA-206_

OTZC_

OT160-250_C_

OT315-400_C_

OT600-800_C_



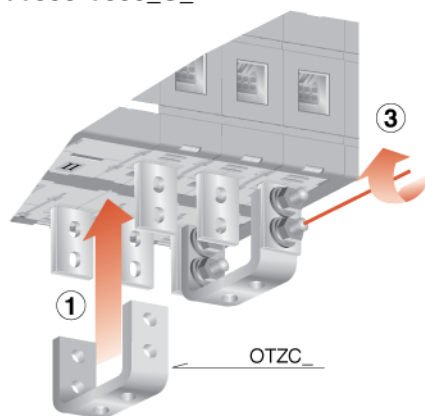
OT160-250_C_	OTZC13, OTZC14
OT315-400_C_	OTZC23, OTZC24
OT600-800_C_	OTZC33, OTZC34

②



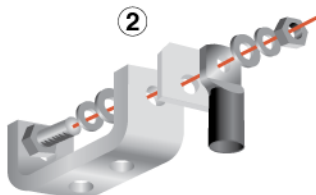
630A

800A

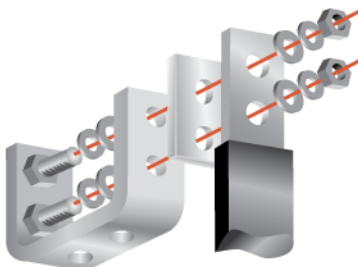
**OT1000-1600_C_**

OT1000-1250E_C_	OTZC43, OTZC44
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②

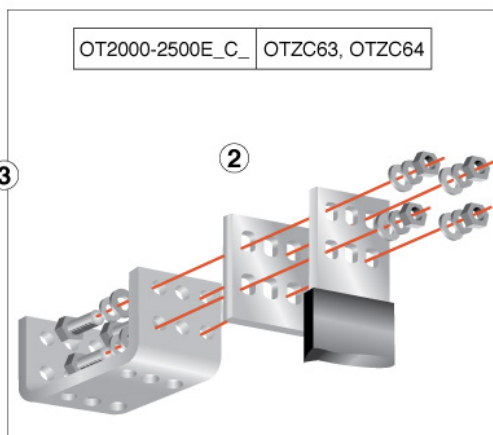
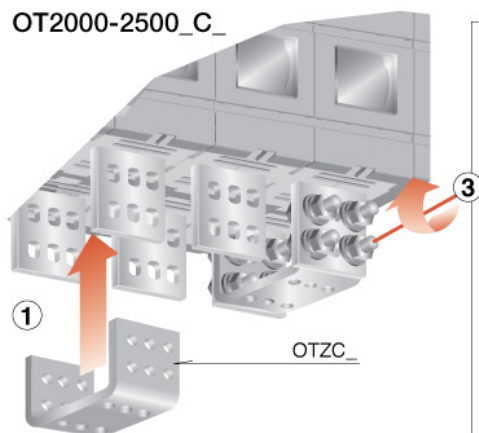


OT1600E_C_	OTZC53, OTZC54
OT800-1200U_C_	

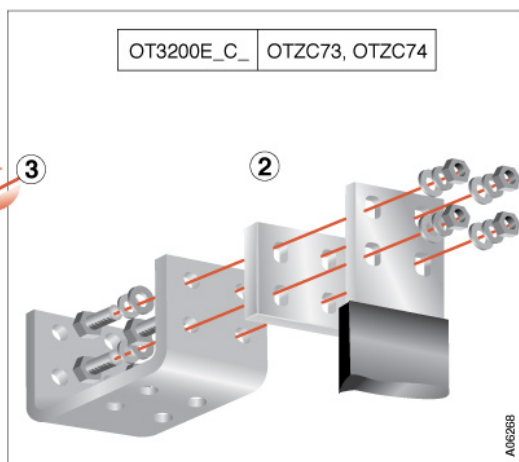
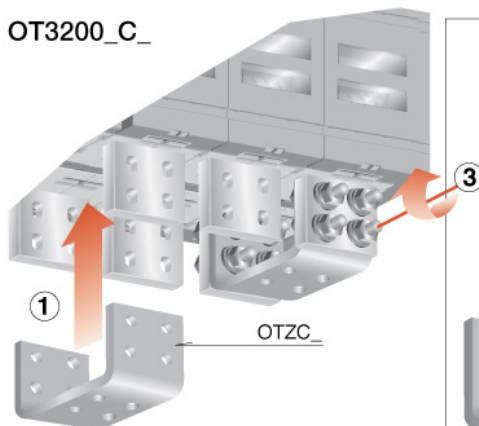


A08009

OT2000-2500_C_

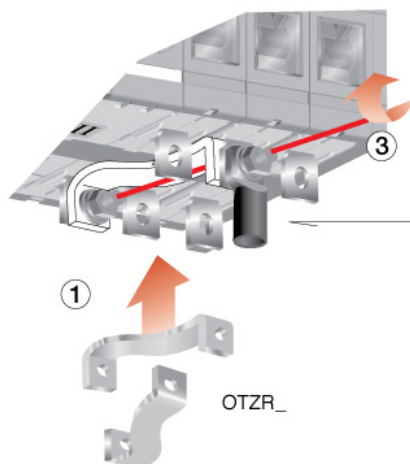


OT3200_C_

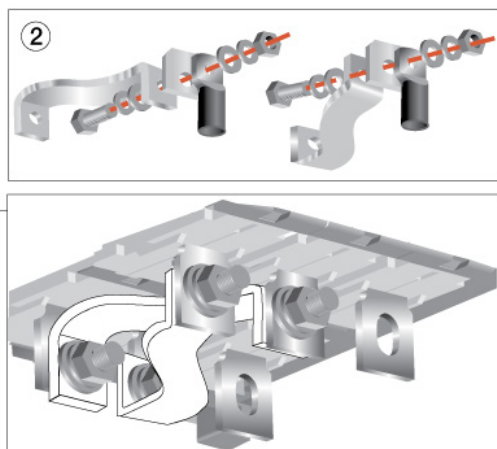


A05268

OTZR_

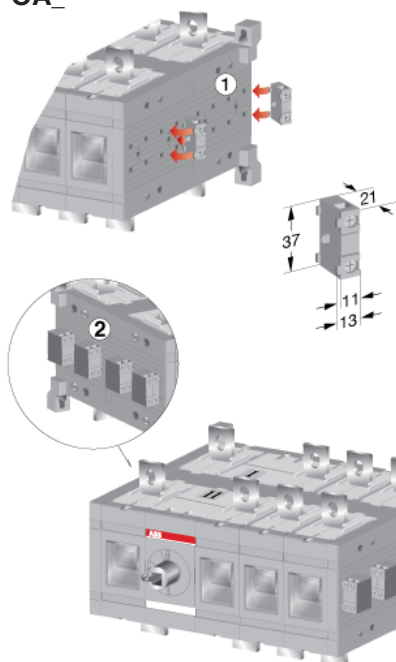


OT160-250_C_	OTZR1
OT315-400_C_	OTZR2
OT600-800_C_	OTZR3



A04210

OA_

OT_C
OT_CF

I	max 2+2	OA 1G10	OA 3G01
I			
O			
II			



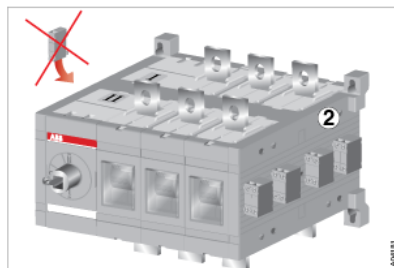
II	max 2+2	OA 1G10	OA 3G01
I			
O			
II			

OT_CL

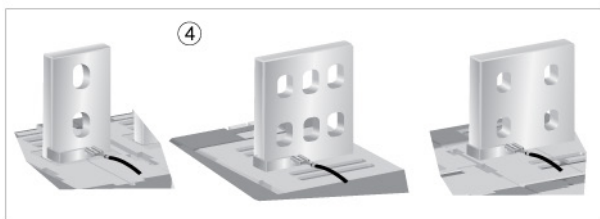
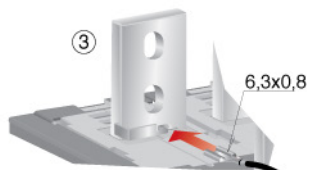
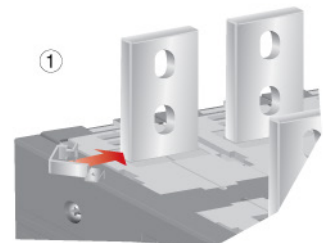
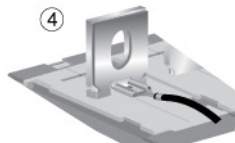
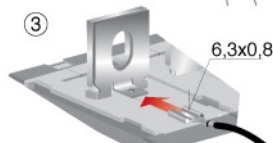
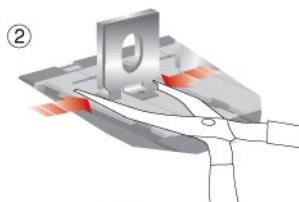
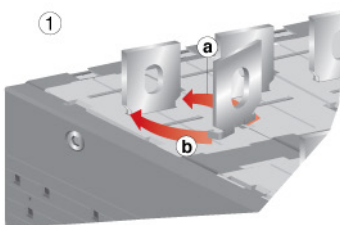
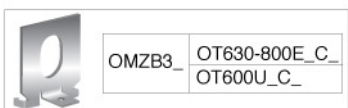
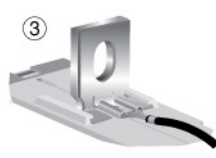
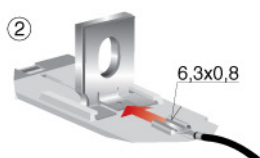
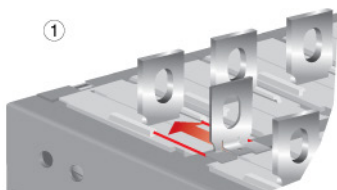
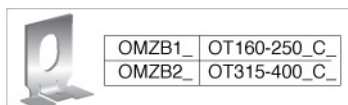
I	max 2+2	OA 1G10	OA 3G01
I			
I+II			
II			

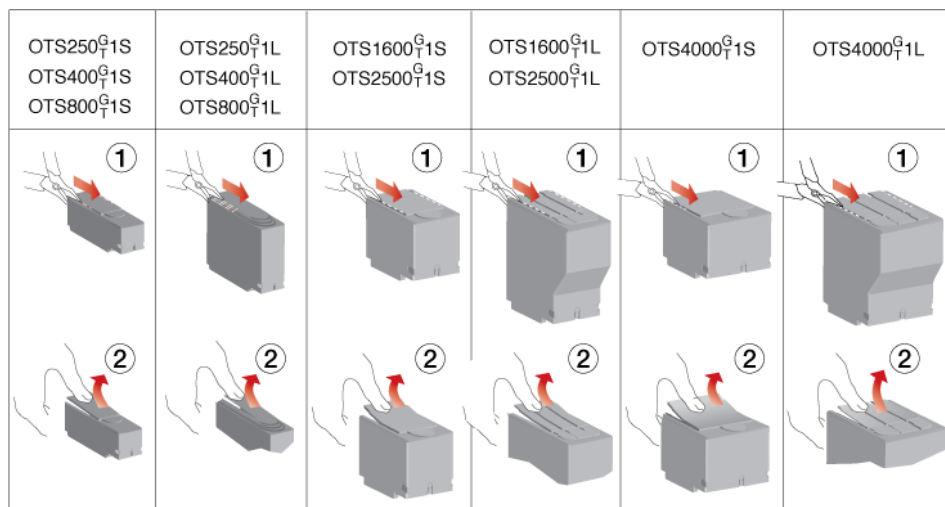


II	max 2+2	OA 1G10	OA 3G01
I			
I+II			
II			



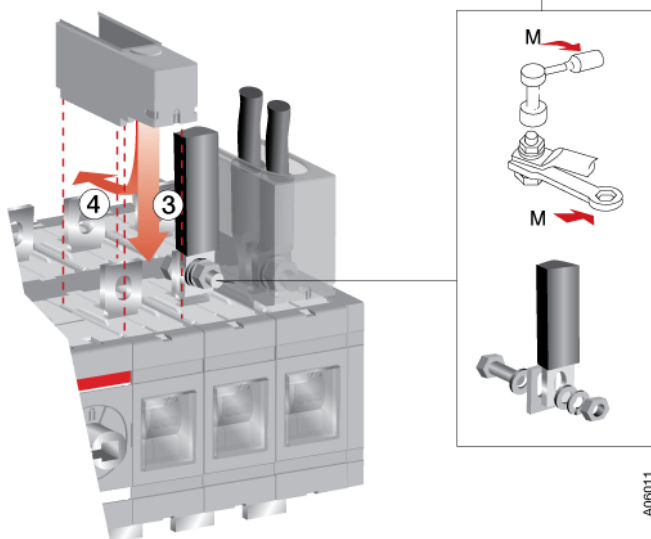
A04211

OMZB_

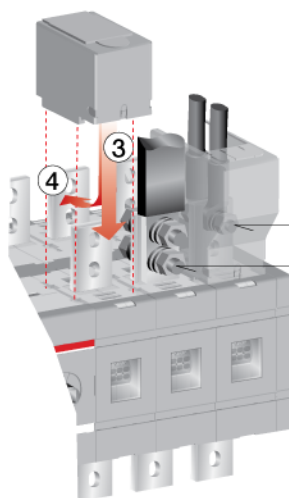
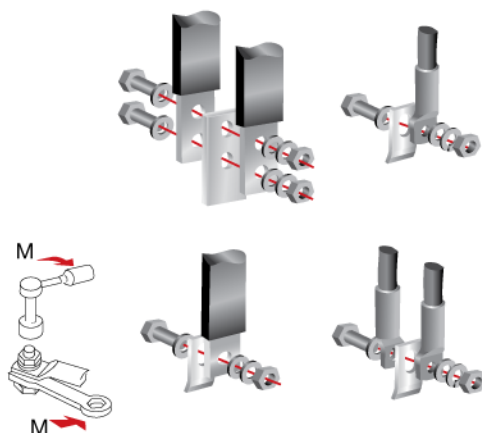
OTS_

OT160-250_C_
OT315-400_C_
OT600-800_C_

			M	M
OT160-250_C_	OTS250	M8	15...22Nm	5/6DIA IN. 133-195LB.IN.
OT315-400_C_	OTS400	M10	30...44Nm	266-390LB.IN.
OT600-800_C_	OTS800	M12	50...75Nm	433-664LB.IN.



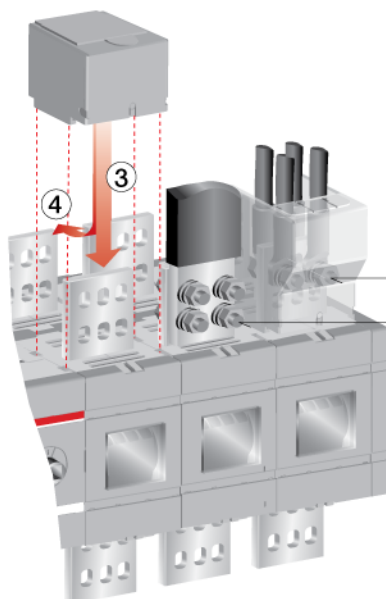
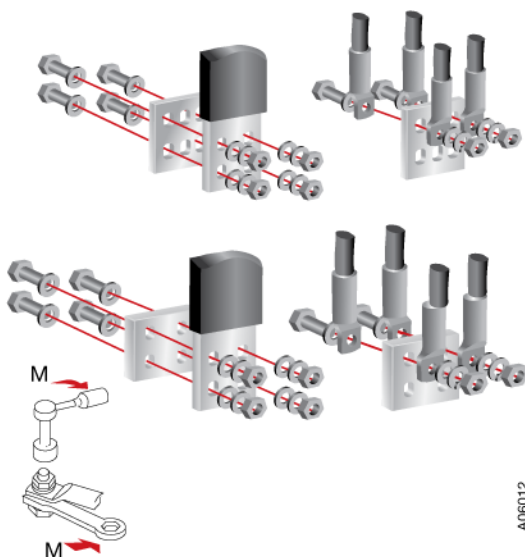
A06011

OTS_**OT1000-1600_C_****OT1000-1600E_C_
OT800-1200U_C_**

M12

50...75Nm

443-664 lb.in.

**OT2000-2500_C_
OT3200_C_****OT2000-2500E_C_
OT3200E_C_**

M12

50...75Nm

443-664 lb.in.

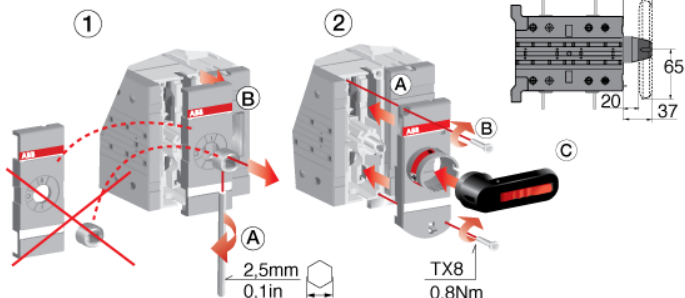
A06012

OTV

OT160-250_C
OT160-250_CL
OT160-250_CF



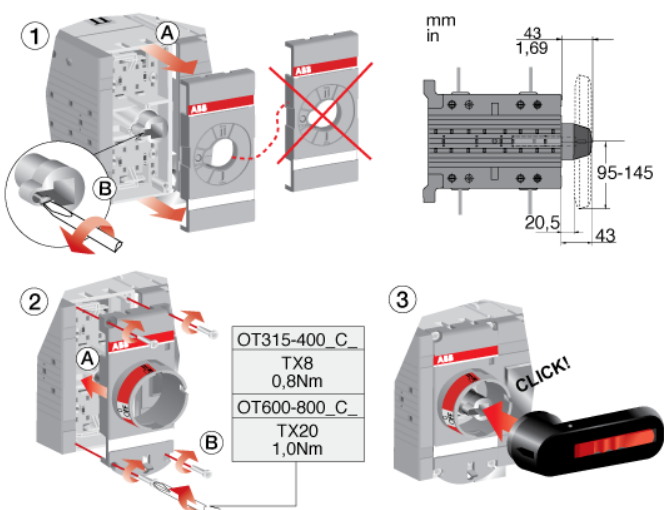
OTV250ECK
OTV250ECLK
OTV250ECFK



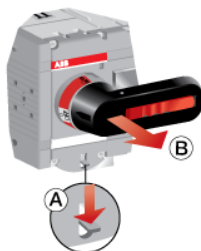
OT315-800_C
OT315-800_CL
OT315-800_CF



OTV400ECK
OTV800ECK
OTV400ECLK
OTV800ECLK
OTV400ECFK
OTV800ECFK

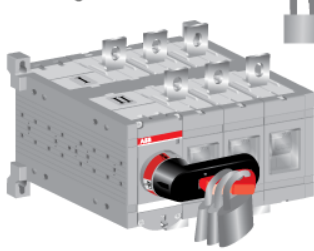


Remove

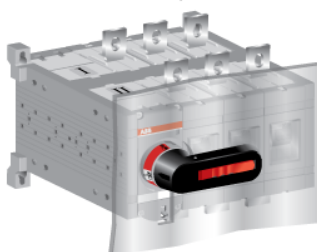


Locking

Ø5...Ø6mm



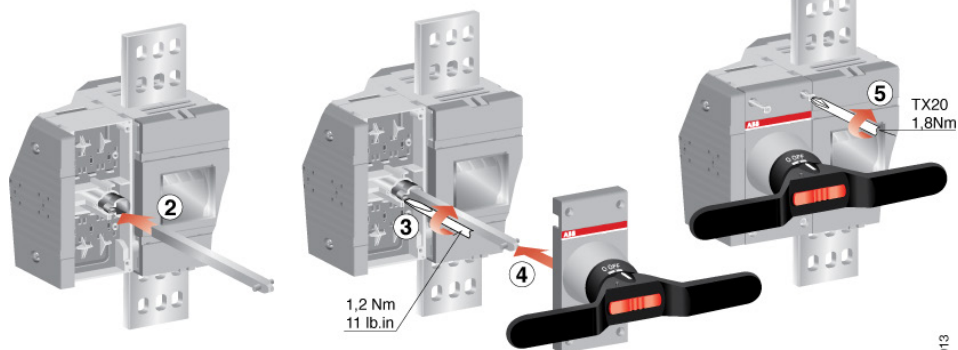
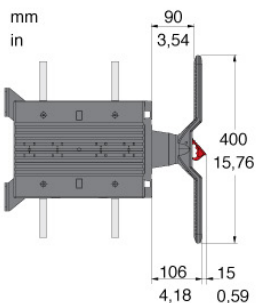
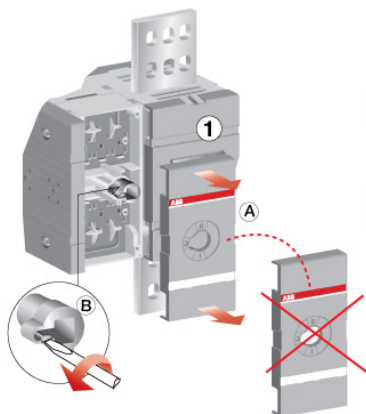
Note: Use protection against direct contact. For example:



A04188

OTV_

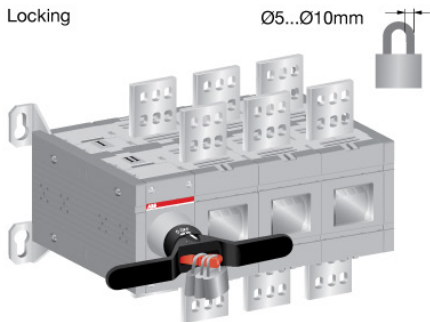
OT1000-2500_C
 OT1000-2500_CL
 OT3200_C
 OT3200_CL



A06013

Locking

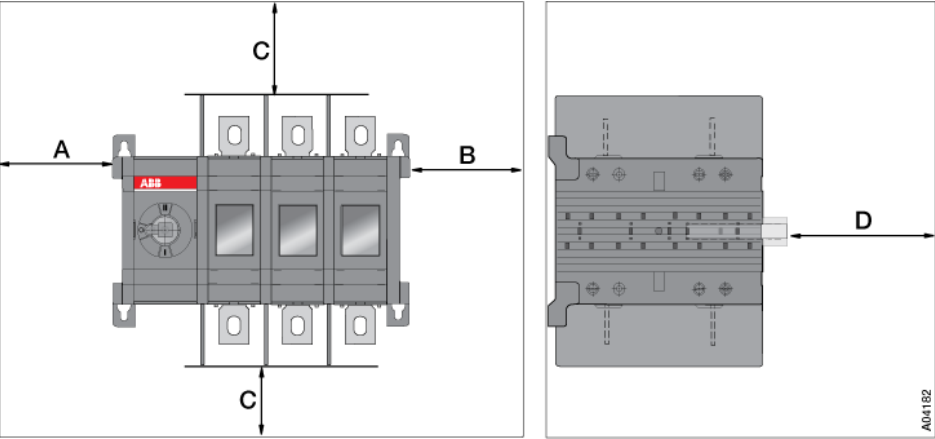
Ø5...Ø10mm



Note: Use protection against direct contact. For example:



Clearances per UL98



	Current	Height	Width	Depth
OT200U_C	200 A	406 mm/16 in	305 mm/12 in	203 mm/8 in
OT400U_C	400 A	610 mm/24 in	356 mm/14 in	254 mm/10 in
OT600U_C	600 A	610 mm/24 in	700 mm/28 in	400 mm/16 in
OT800-1200U_C	800/940 A	1220 mm/48 in	610 mm/24 in	400 mm/16 in

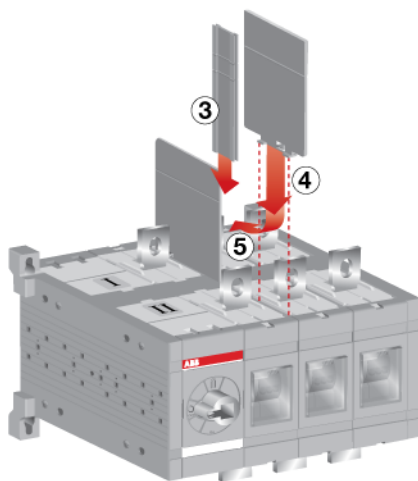
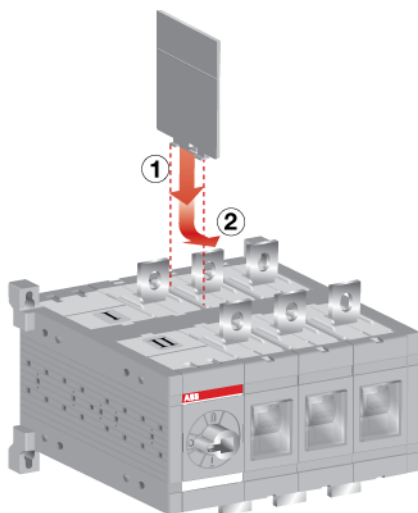
	A	B	D
OT200-1200U_C	0	13 mm/0,5 in	13 mm/0,5 in

OT200U_C			
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_C			
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_C			
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

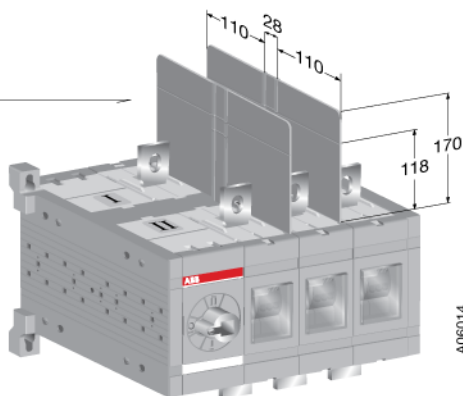
OTB_



Phase barrier type 68838 on:
OT600U_C
OT630-800E_C

Phase barriers 68838 or shrouds must be used to maintain a clearance of 1 inch on the manual change-over and transfer switch type OT600U_C, if lugs are wider than 39 mm/ 1,54 in.

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



A06014

Phase barrier type 68912 on:

OT800-1200U_C_

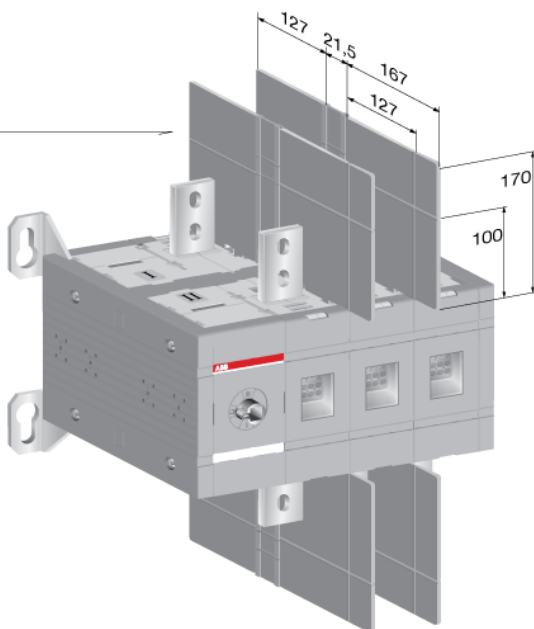
OT1000-1600E_C_

OT2000-2500E_C_

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

Phase barriers 68912 or shrouds must be used to maintain a clearance of 1 inch on the manual change-over and transfer switches types OT800U_C_ and OT1200U_C_, if lugs are wider than 54 mm/2,13 in.

Type for package of 6 barriers is OTB1600/6C.



Phase barriers CXY69470 must be used on OT3200E_C_.

Type for package of 6 barriers is OTB4000/6C.

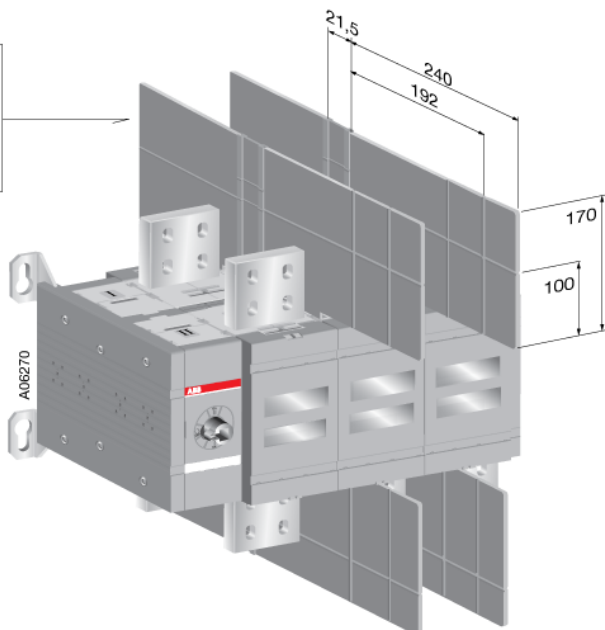




ABB Oy

Breakers and Switches

P.O Box 622

FI-65101 VAASA, Finland

Telephone +358 10 22 11

Telefax +358 10 22 45708

www.abb.com

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subsequent alterations.