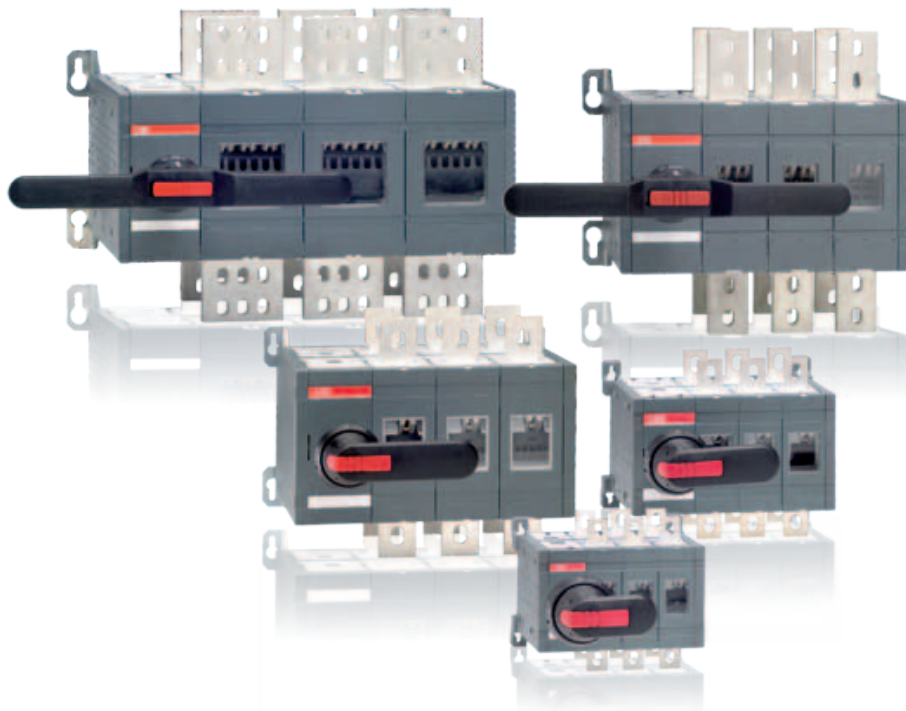


Manual change-over and transfer switches OT_C

Installation instruction

34OT160-2500_C / 1SCC303008M0202

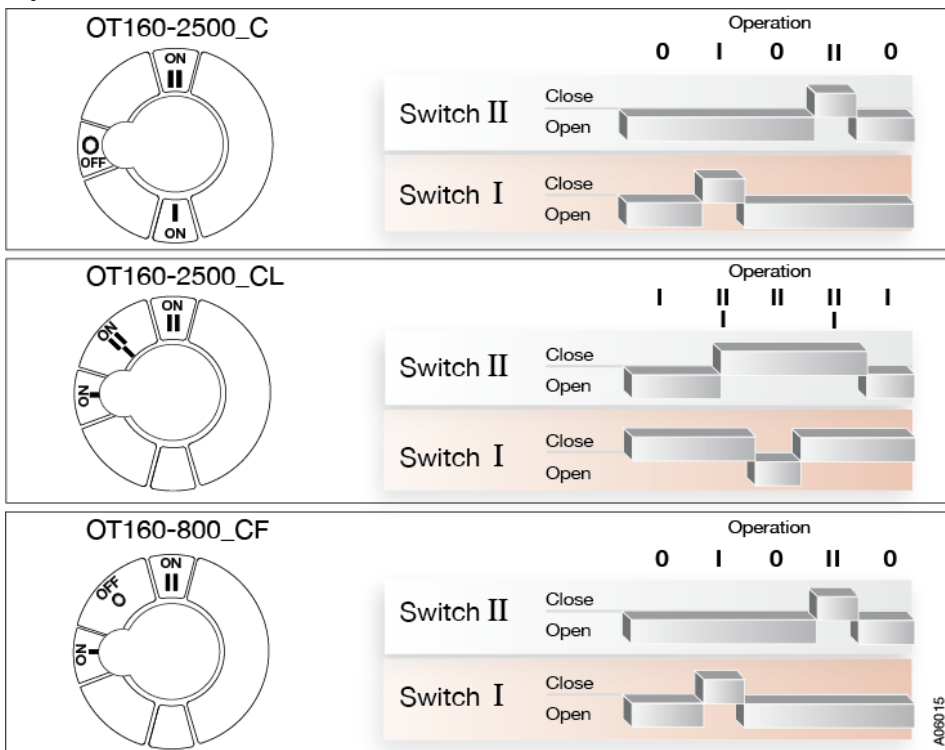


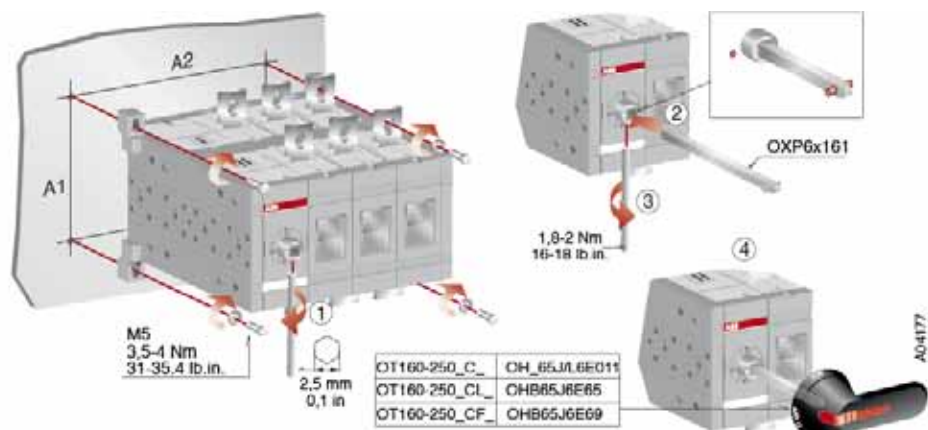
ABB

Contents

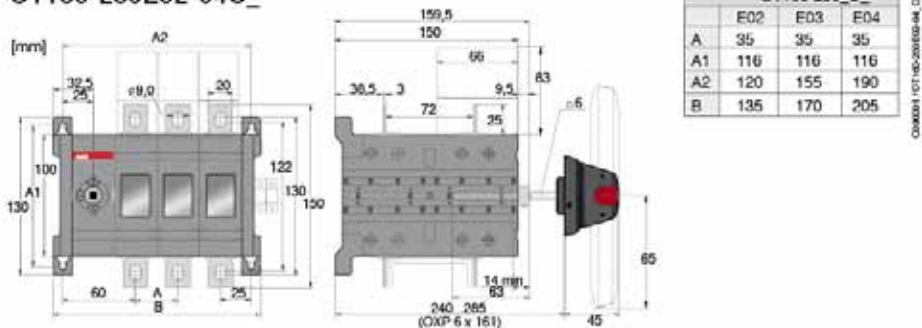
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Operation

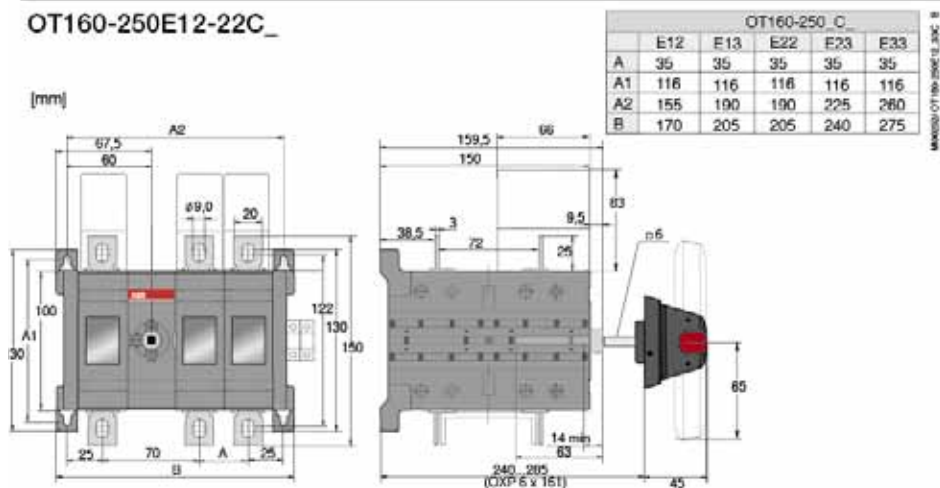




OT160-250E02-04C_

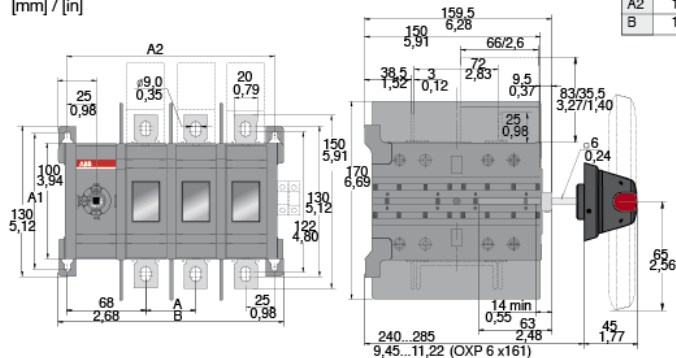


OT160-250E12-22C_



OT200U02-04C_

[mm] / [in]



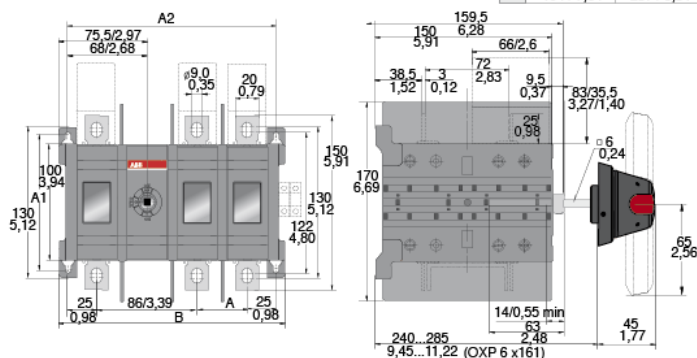
	OT200_C_		
	U02	U03	U04
A	43 / 1,69	43 / 1,69	43 / 1,69
A1	116 / 4,57	116 / 4,57	116 / 4,57
A2	136 / 5,35	179 / 7,05	222 / 8,74
B	151 / 5,94	194 / 7,64	237 / 9,33

C000002 / OT200U02-04_C_ B

A06/002

OT200U12-22C_

[mm] / [in]

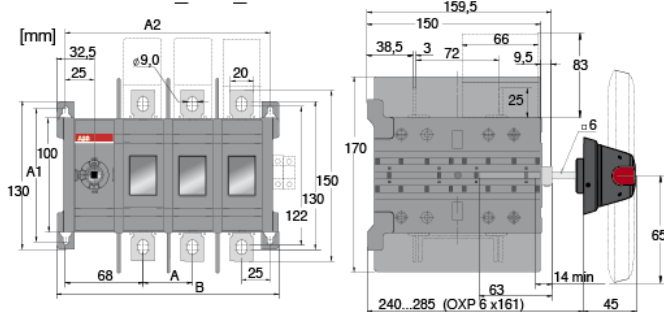


	OT200_C_				
	U12	U13	U22	U23	U33
A	43 / 1,69	43 / 1,69	43 / 1,69	43 / 1,69	43 / 1,69
A1	116 / 4,57	116 / 4,57	116 / 4,57	116 / 4,57	116 / 4,57
A2	179 / 7,05	222 / 8,75	222 / 8,74	265 / 10,43	308 / 12,13
B	194 / 7,64	237 / 9,34	237 / 9,33	280 / 11,02	323 / 12,72

M00253 / OT200U12-22C_ B

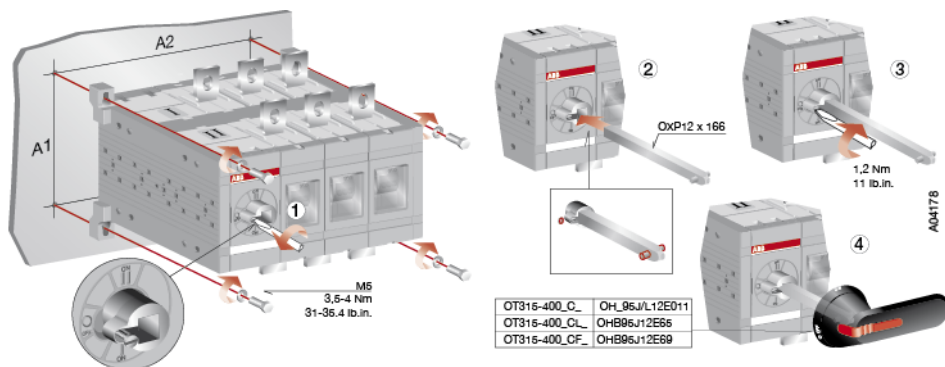
OT160-250E_WC_

[mm]

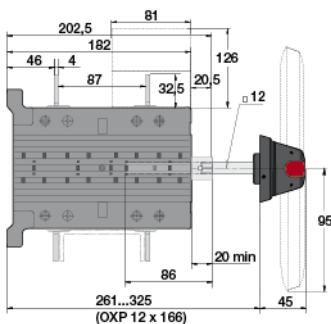
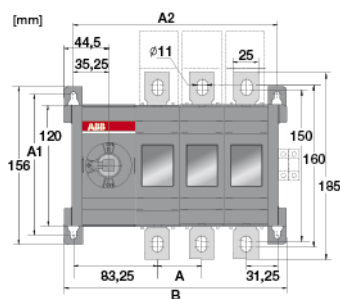


	OT160-250E_WC_		
	E02	E03	E04
A	43	43	43
A1	116	116	116
A2	136	179	222
B	151	194	237

C000010 / OT160-250E_WC_ B



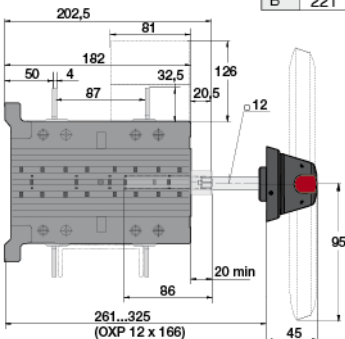
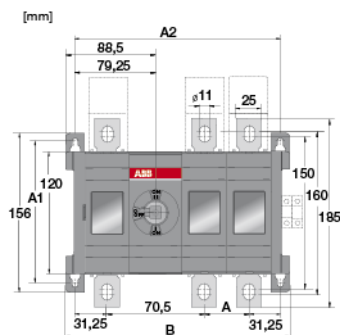
OT315-400E02-04C_



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

C000000 / 315-400 E02-04C_ B

OT315-400E12-22C_



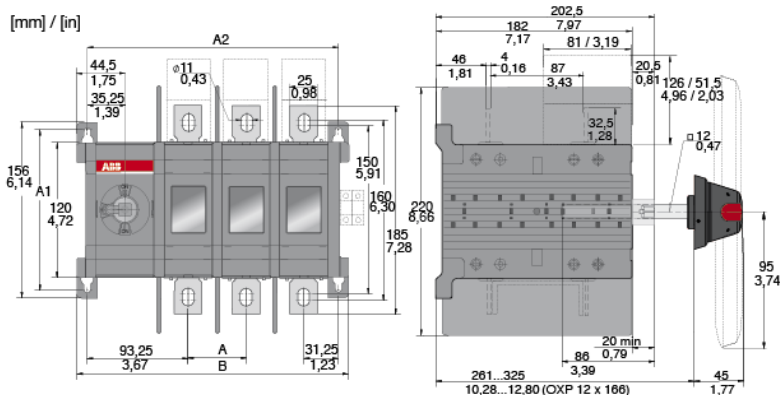
OT315-400_C_					
	E12	E13	E22	E23	E33
A	44	44	44	44	44
A1	142	142	142	142	142
A2	202,5	246,5	246,5	290,5	334,5
B	221	265	265	309	253

A000000 / OT315-400 E12-22C_ 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	

C000009 / OT400U02-04_C_ B

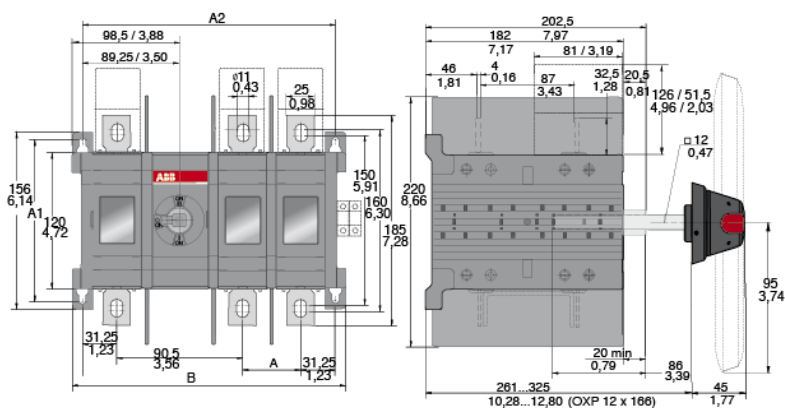


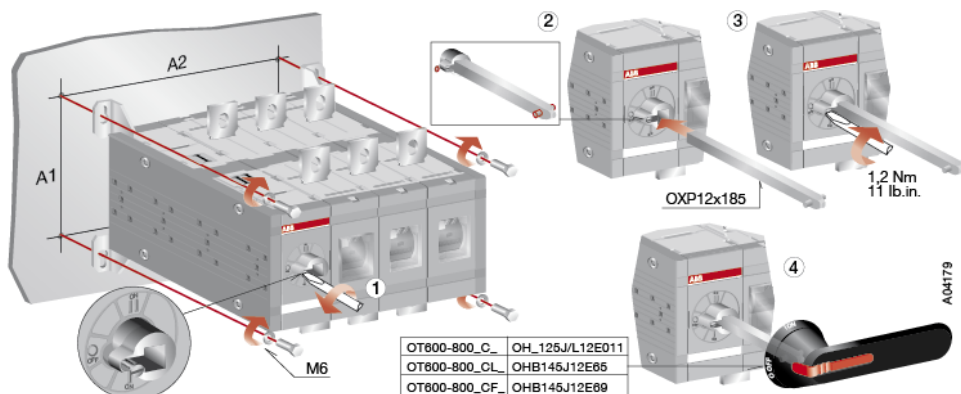
A06003

OT400U12-22C_

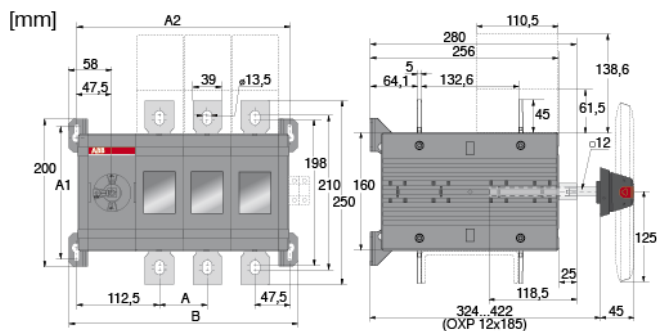
	OT400_C_				
	U12	U13	U22	U23	U33
A	54 / 2,13	54 / 2,13	54 / 2,13	54 / 2,13	54 / 2,13
A1	142 / 5,59	142 / 5,59	142 / 5,59	142 / 5,59	142 / 5,59
A2	232,5 / 9,15	286,5 / 11,28	286,5 / 11,28	340,5 / 13,41	394,5 / 15,53
B	251 / 9,88	305 / 12,01	305 / 12,01	359 / 14,13	413 / 16,26

M00255 / OT400U12-22C_ B





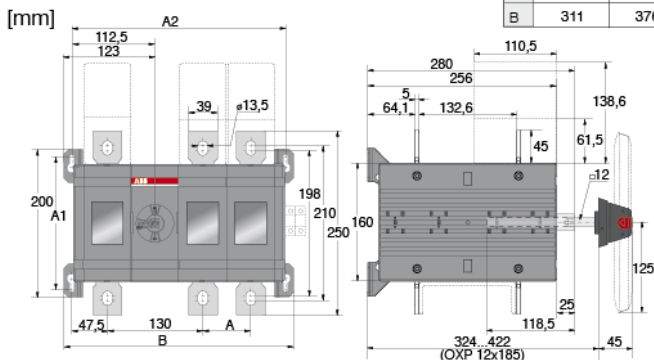
OT630-800E02-04C_



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

M000820/OT630-800E02-04C_ B

OT630-800E12-22C_



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

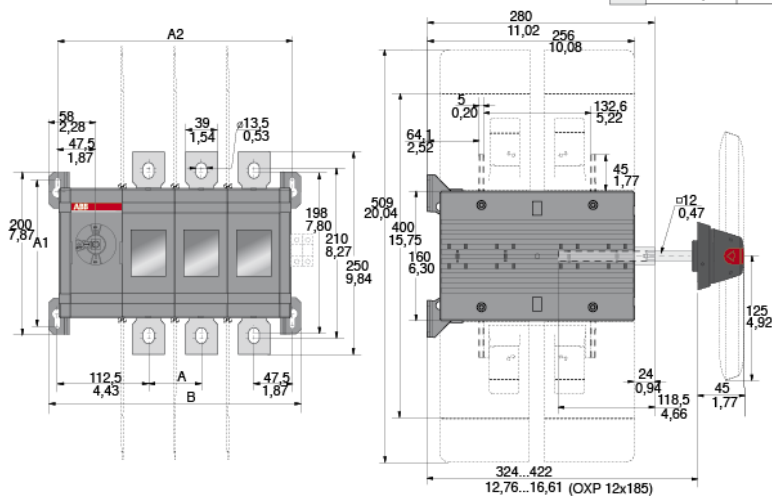
M00089/OT630-800E12-22C_ B

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

M00087/OT600U02-04C_

[mm] / [in]



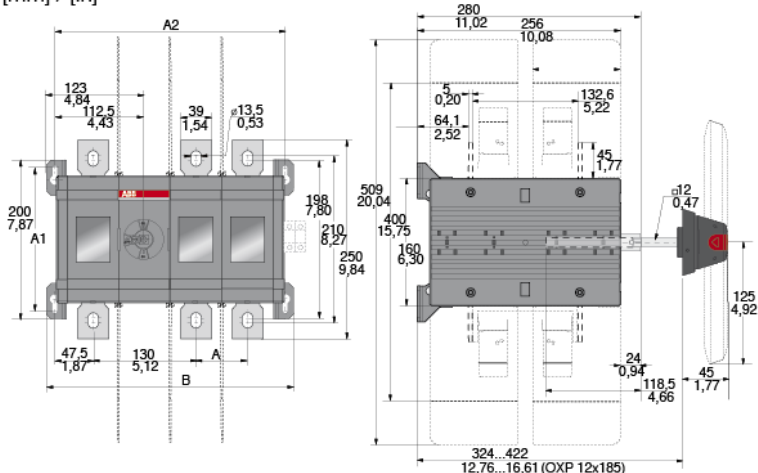
A06004

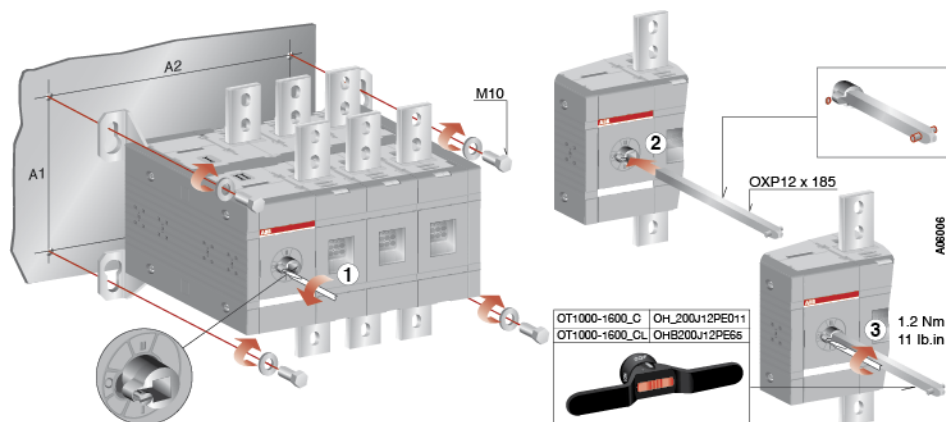
OT600U12-22C_

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

M00090/OT600U12-22C_

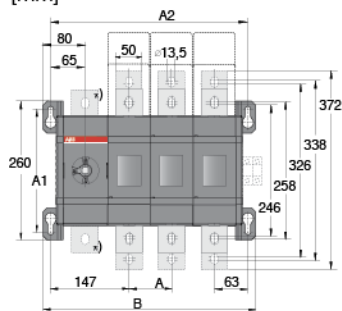
[mm] / [in]



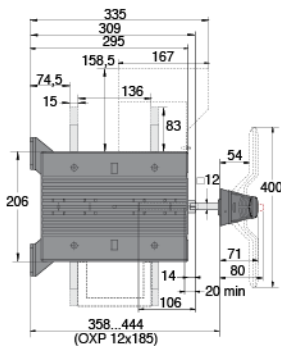


OT1000-1600E02-04C_

[mm]



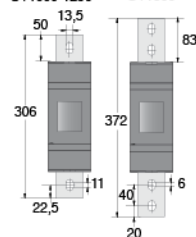
*) N3 types



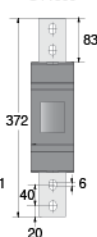
OT1000-1600_C_			
	E02	E03	E04
A	80	80	80
A1	230	230	230
A2	290	370	450
B	320	400	480

M00155/OT1000-1600E-C1-D

OT1000-1250

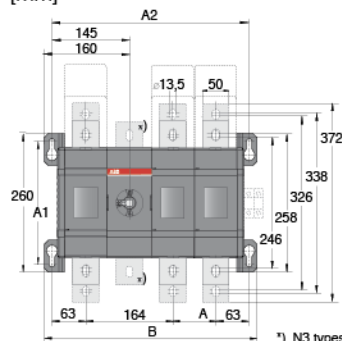


OT1600

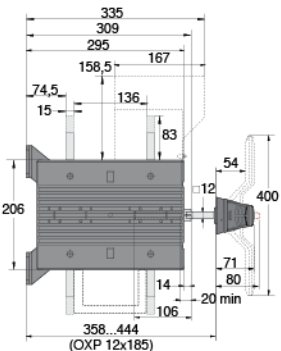


OT1000-1600E12-22C_

[mm]



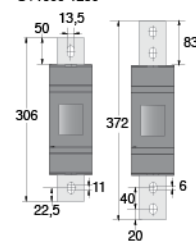
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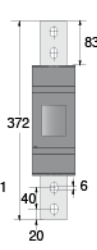
OT1000-1600_C_			
	E12	E13	E22
A	80	80	80
A1	230	230	230
A2	370	450	450
B	400	480	480

M00176/OT1000-1600E12-22C-C1-D

OT1000-1250



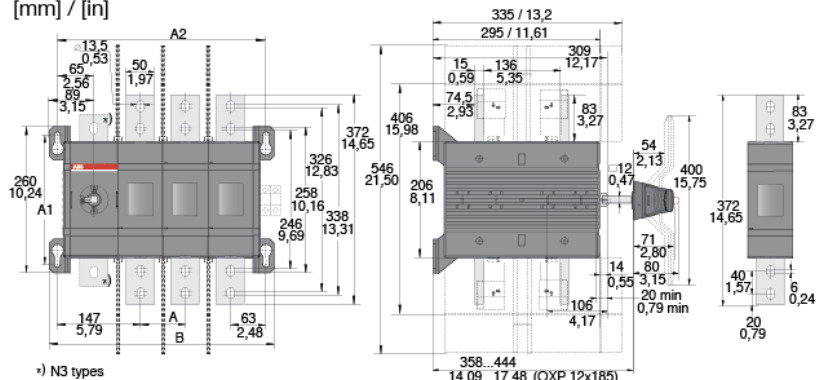
OT1600



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

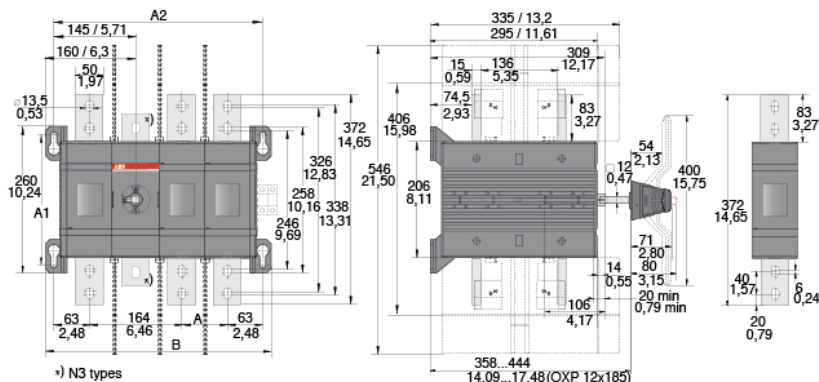
[mm] / [in]

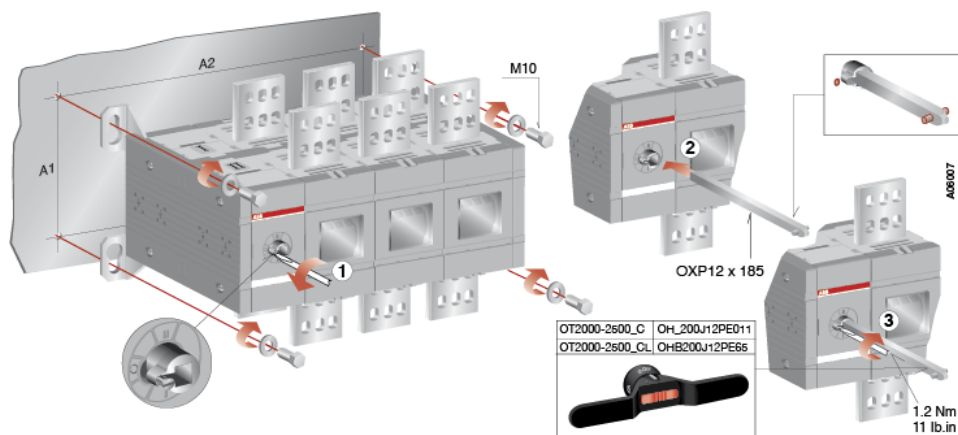


OT800-1200U12-22C_

OT800-1200U_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

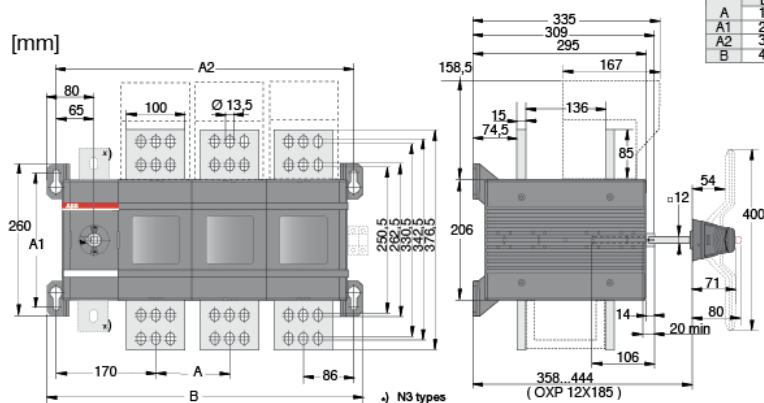
[mm] / [in]





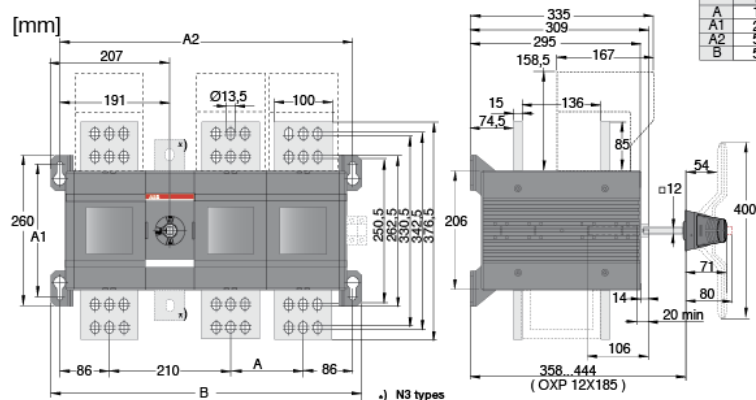
OT2000-2500E02-04C_

[mm]



OT2000-2500E12-22C_

[mm]

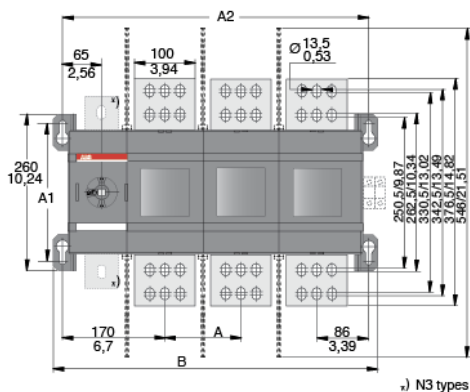


OT1600U02-04C_

OT1600_C_			
	U02	U03	U04
A	126 / 4,94	126 / 4,94	126 / 4,94
A1	230 / 9,06	230 / 9,06	230 / 9,06
A2	382 / 15,05	508 / 20,01	634 / 24,98
B	412 / 16,23	538 / 21,2	664 / 26,16

M00180/OT1600U_C_ B

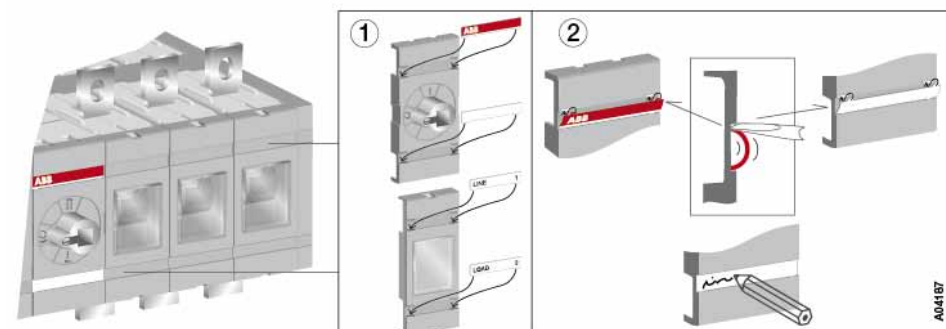
[mm] / [in]

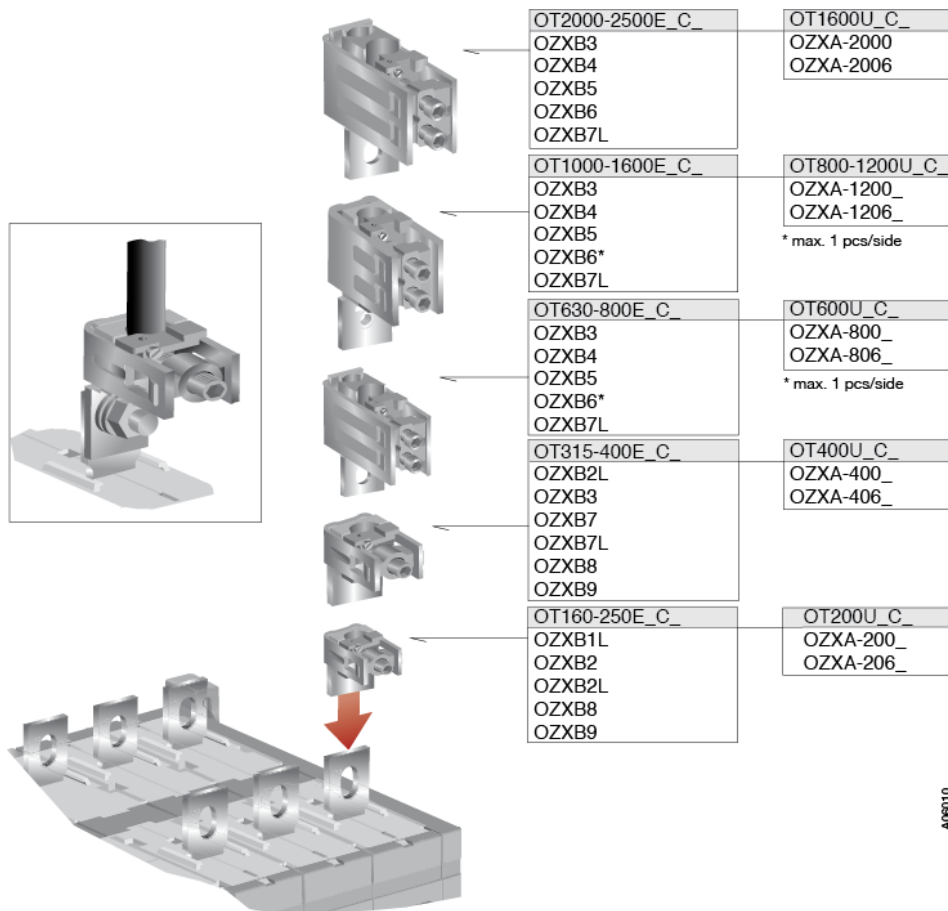


Mounting positions



Label

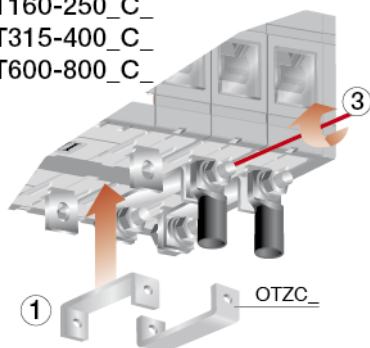


OZX_

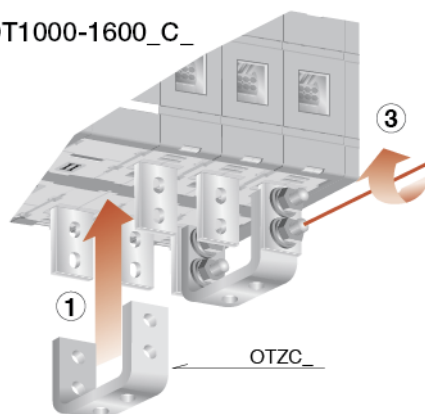
A06010

OTZC_

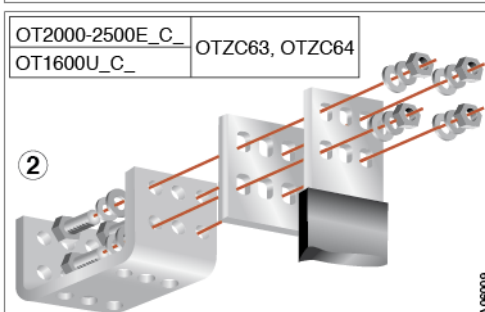
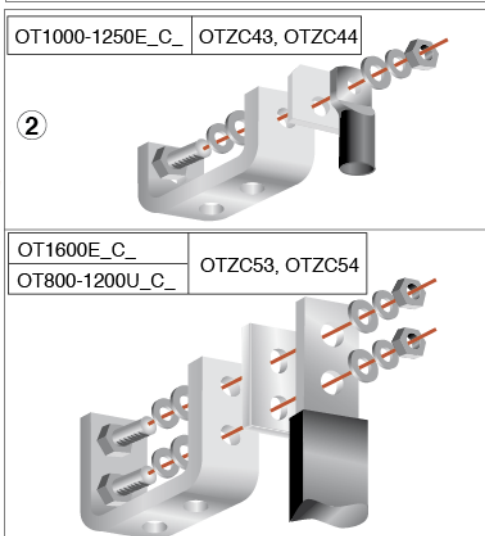
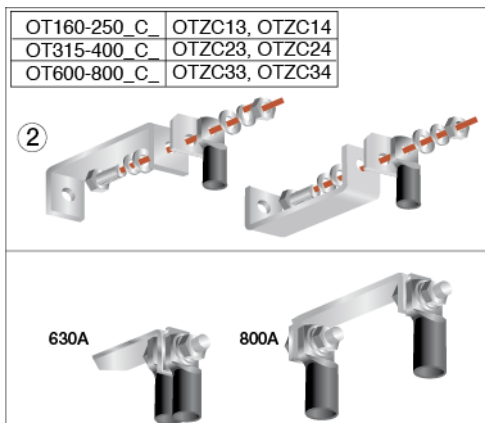
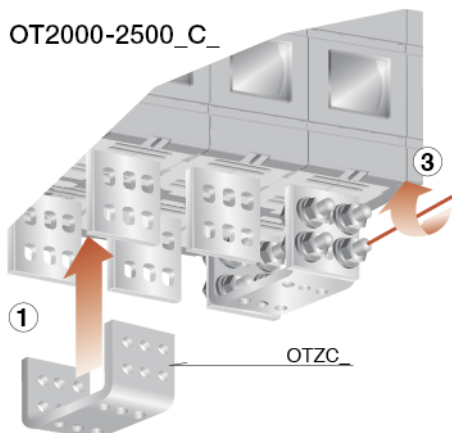
OT160-250_C_
 OT315-400_C_
 OT600-800_C_



OT1000-1600_C_



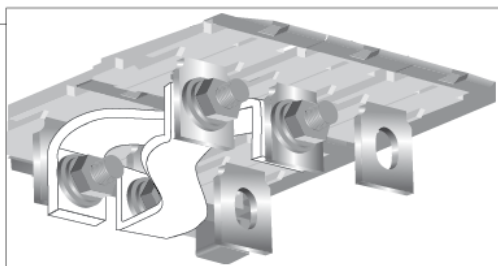
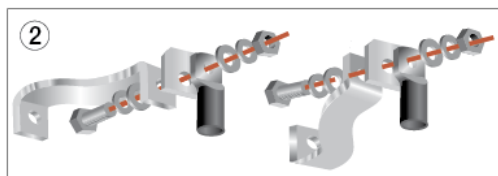
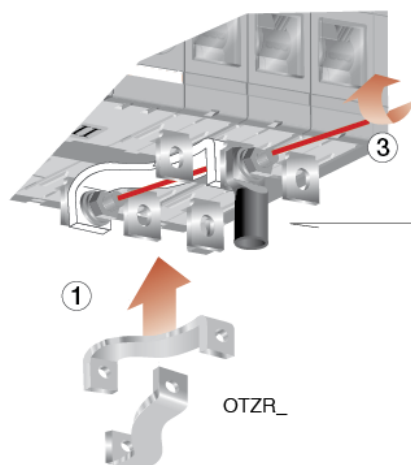
OT2000-2500_C_



A06009

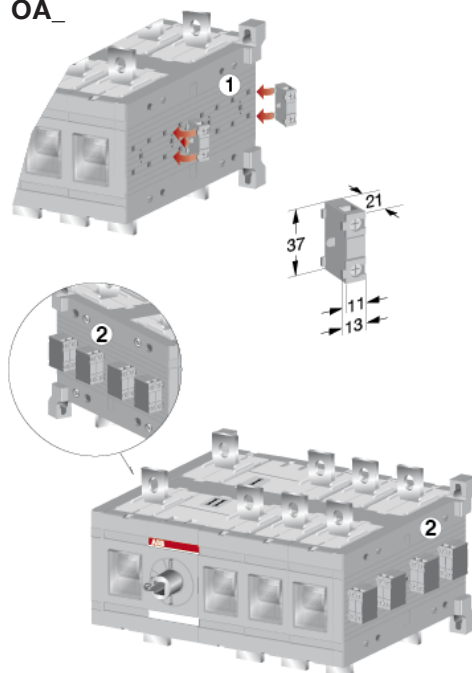
OTZR_

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



A0-0210

OA_

OT_C
OT_CF

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



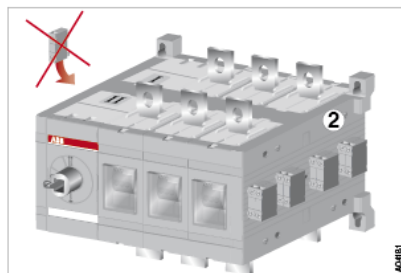
II	max 2+2	OA 1G10	OA 3G01
I			
O			
II			

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			

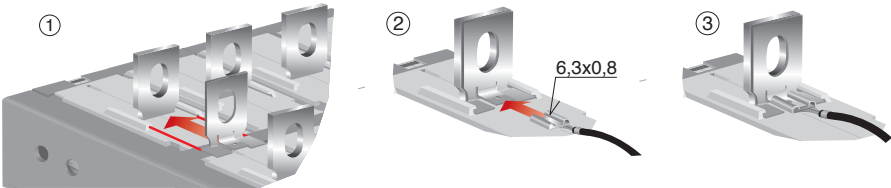


A0-0211

OMZB_

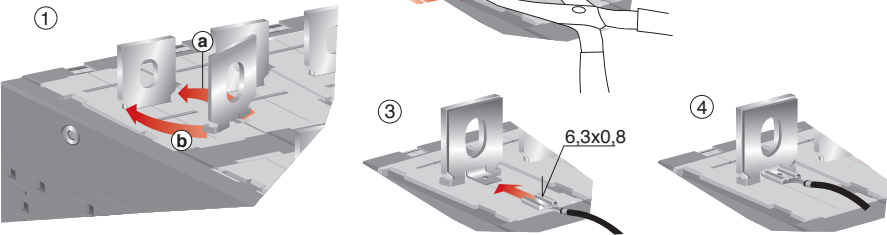


OMZB1_	OT160-250_C_
OMZB2_	OT315-400_C_



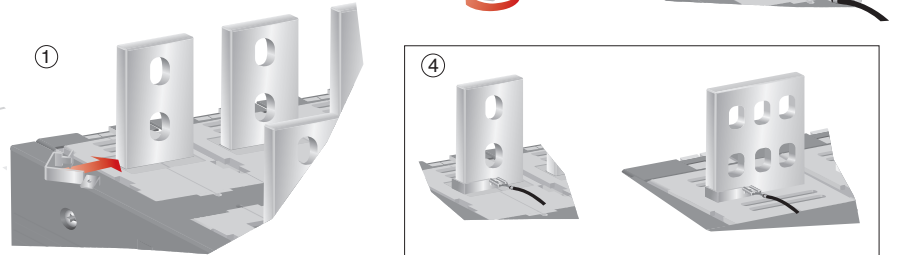


OMZB3_	OT630-800E_C_
	OT600U_C_



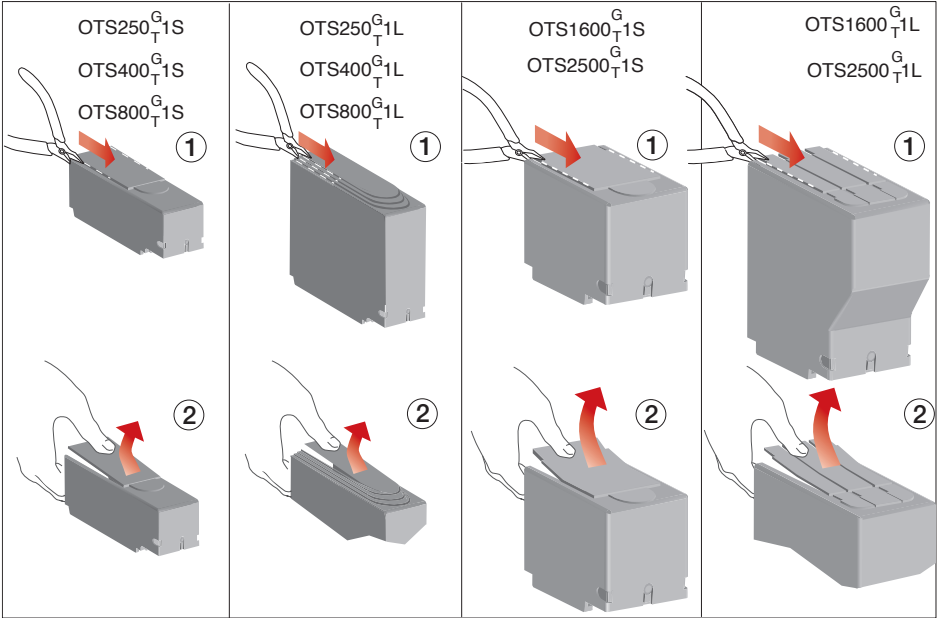


OMZB4_	OT1000-2500E_C_
	OT800-1600U_C_



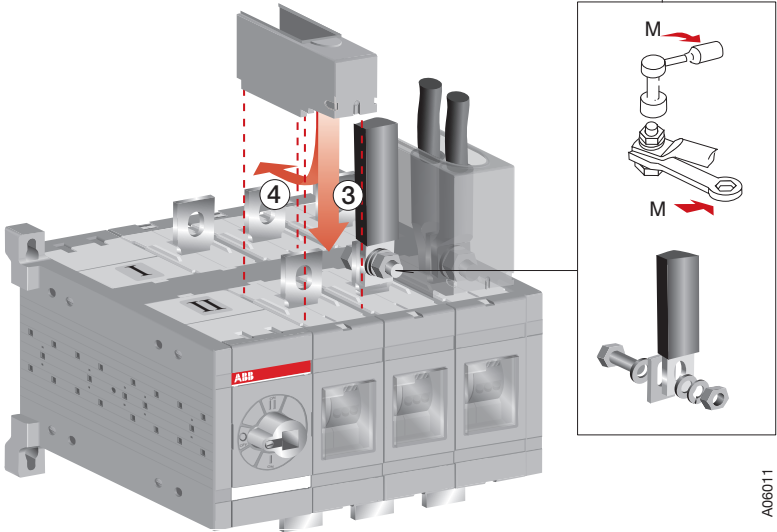
A03/23

OTS_



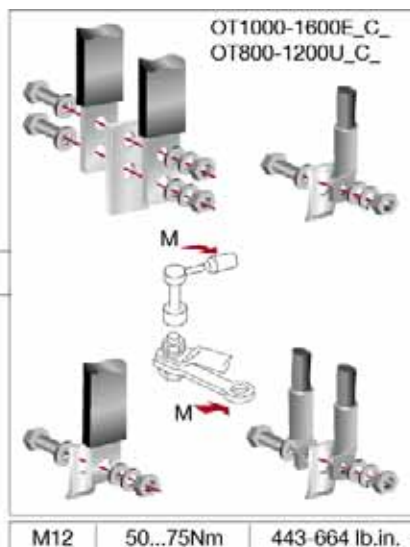
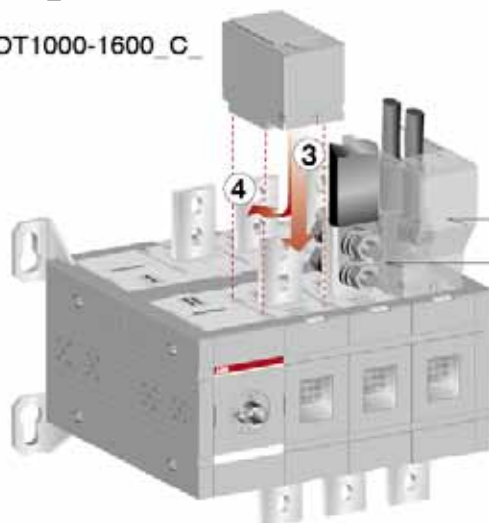
OT160-250_C_
OT315-400_C_
OT600-800_C_

		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.



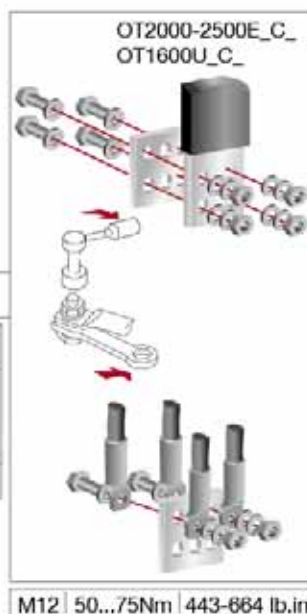
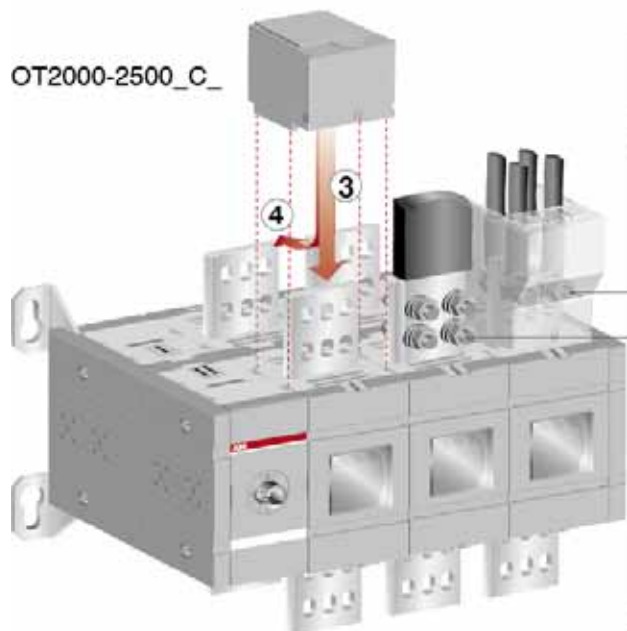
OTS_

OT1000-1600_C_

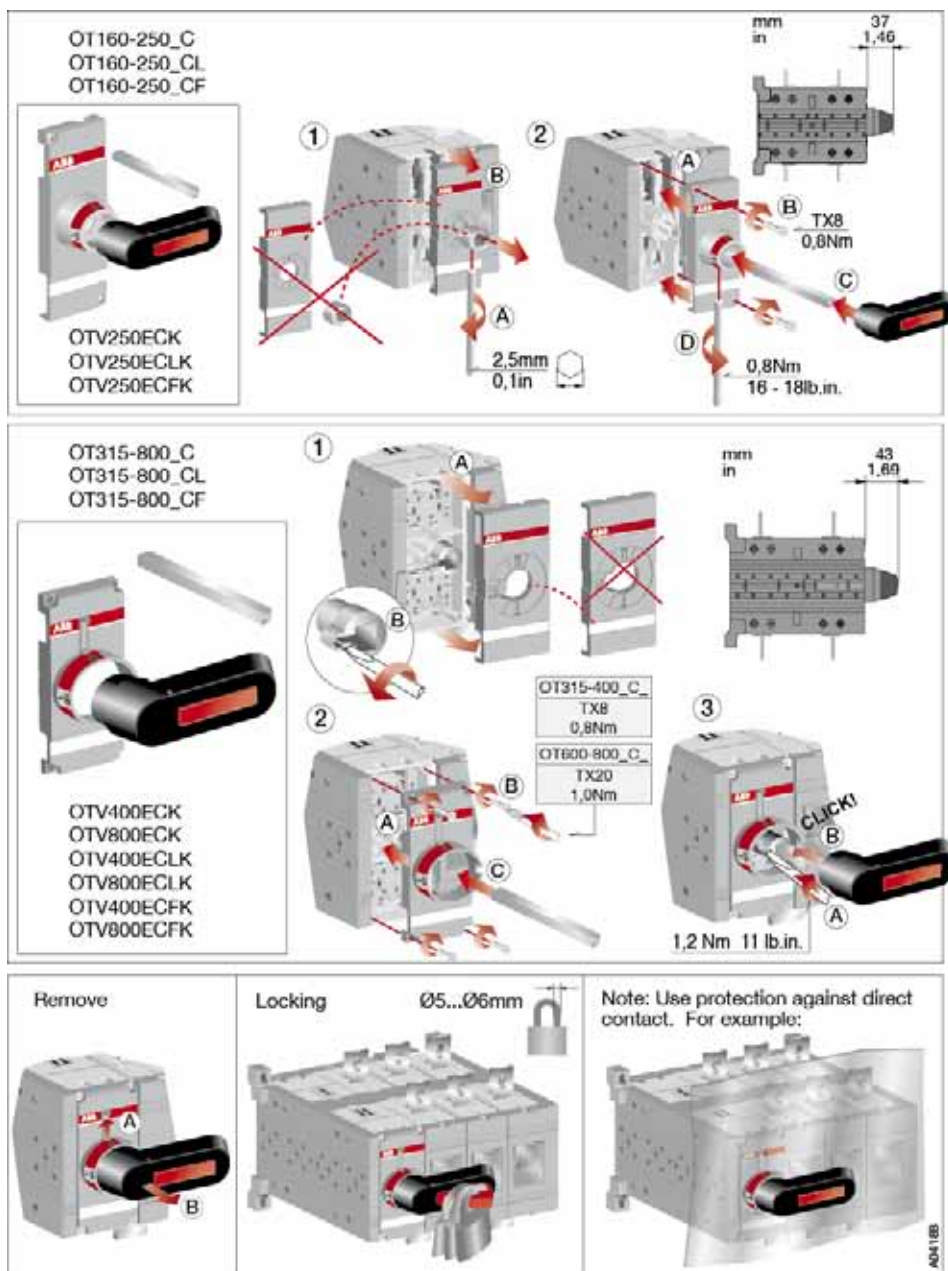


AD6612

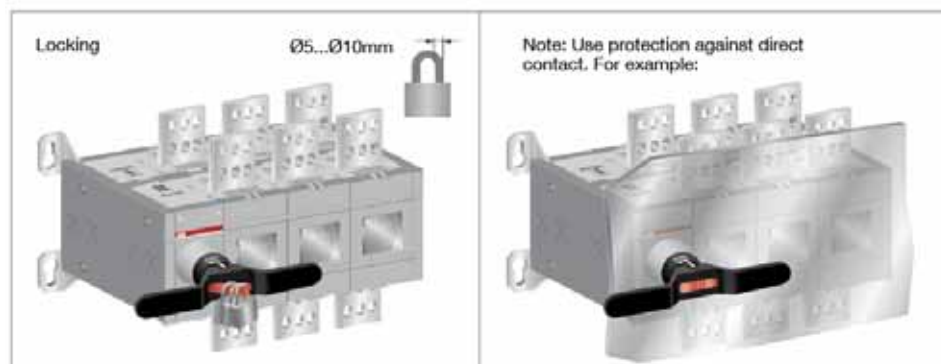
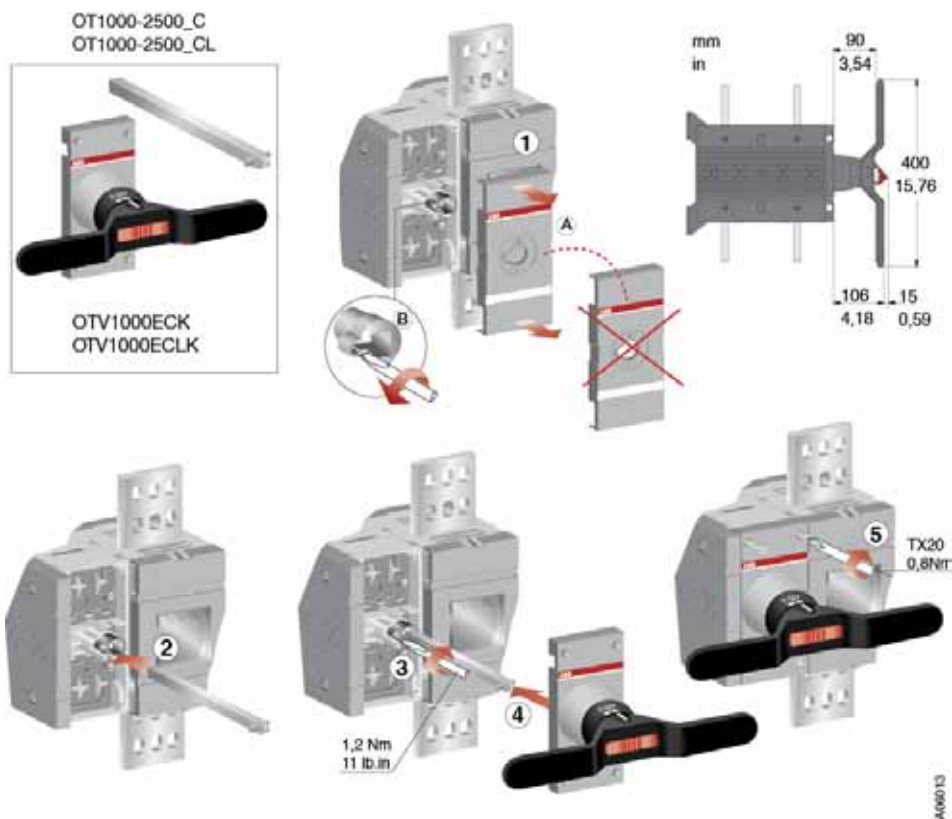
OT2000-2500_C_



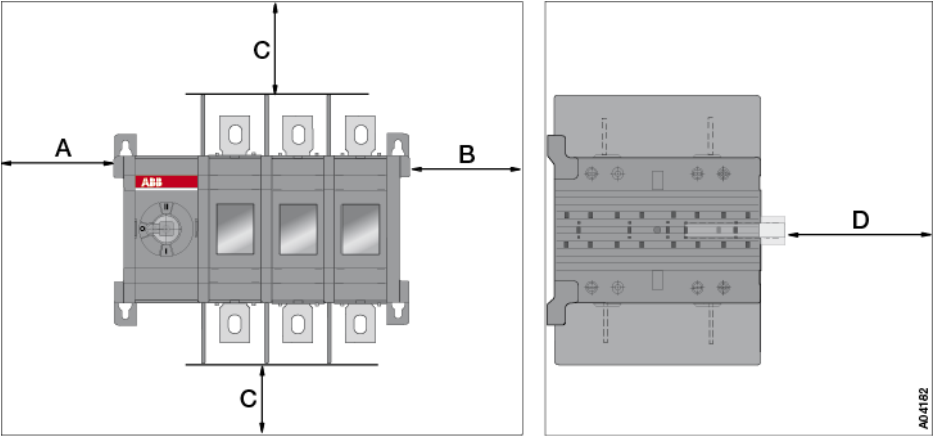
OTV_



OTV_



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
OT1600U_C		1200 mm/47 in	750 mm/30 in	400 mm/16 in

	A	B	D
OT200-1600U_C	0	13 mm/0,5 in	13 mm/0,5 in

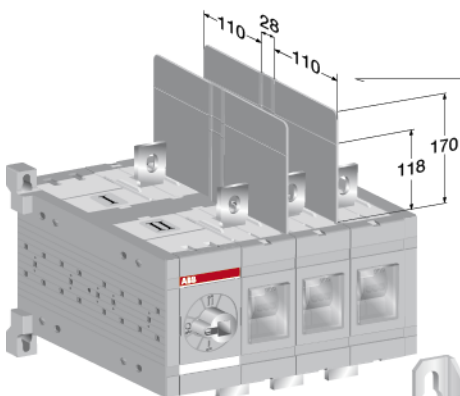
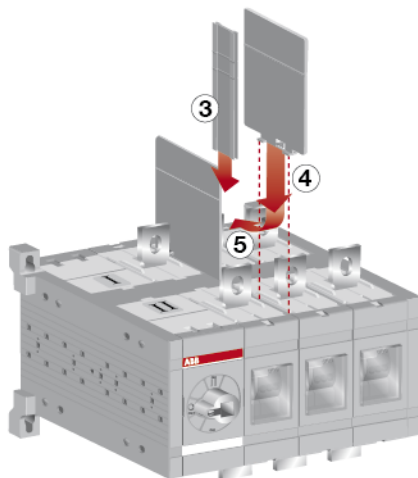
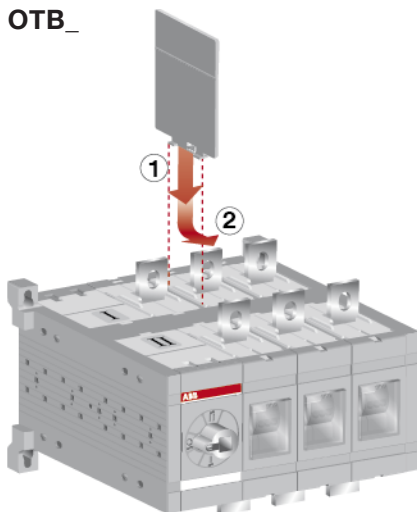
OT200U_C			
Cable size		Cable size	
AWG	C	MCM	C
4-3	100 mm/4 in	250	200 mm/8 in
2	100 mm/4 in	300	250 mm/10 in
1	100 mm/4 in		
1/0	125 mm/5 in		
2/0	150 mm/6 in		
3/0-4/0	175 mm/7 in		

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

OT1600U_C	
Cable size	
MCM	C
250	200 mm/8 in
300	250 mm/10 in
350	300 mm/12 in
400	330 mm/13 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.

Phase barrier type 68912 on:

OT800-1600U_C_

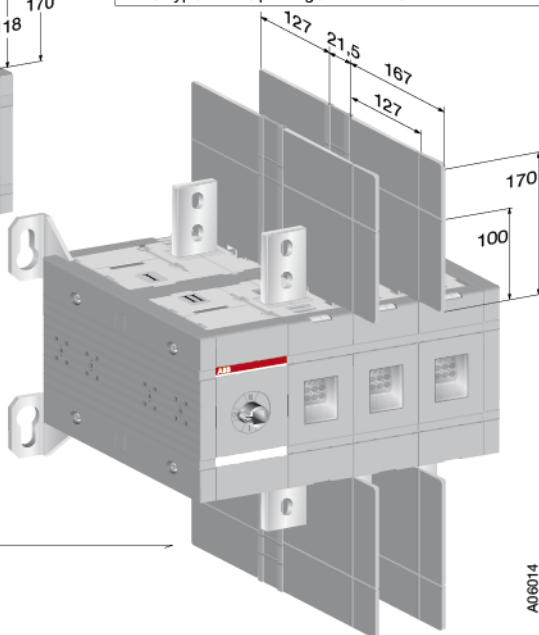
OT1000-1600E_C_

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.

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



A06014



ABB Oy

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The technical data and dimensions are valid
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