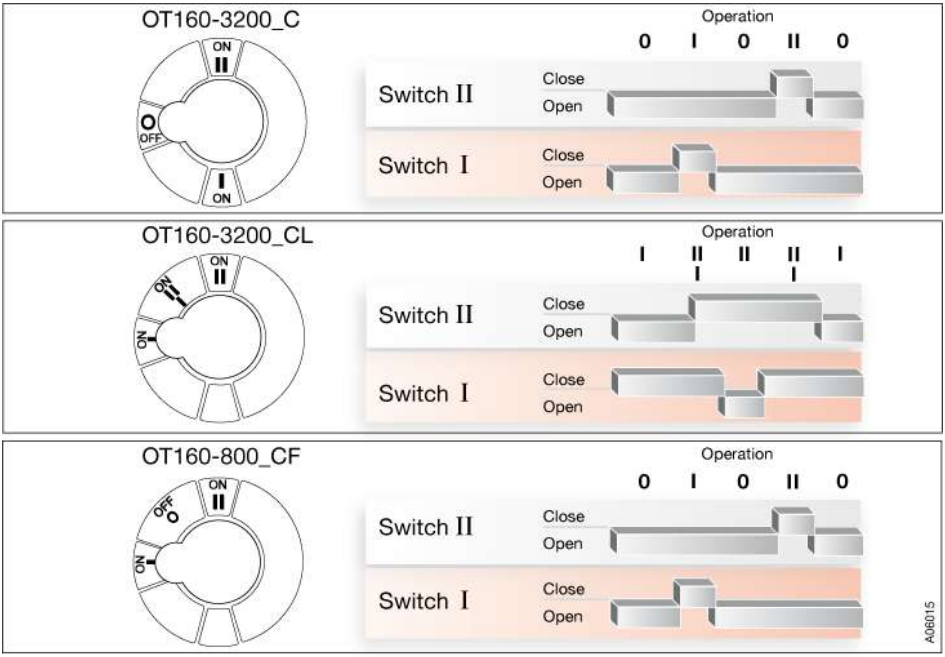
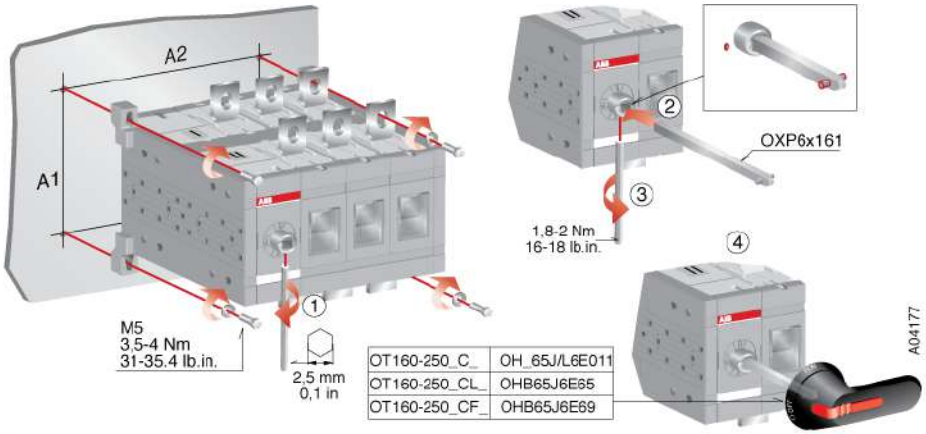
Manual change-over and transfer switches OT_C

Installation instruction
34OT160-2500_C / 1SCC303008M0203

Contents

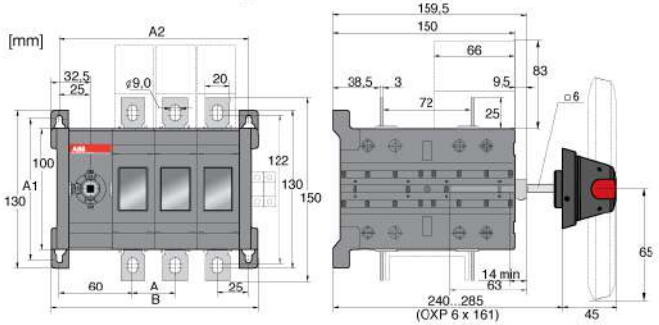
Operation





OT160-250_C_	OH_65J/L6E011
OT160-250_CL_	OHB65J6E65
OT160-250_CF_	OHB65J6E69

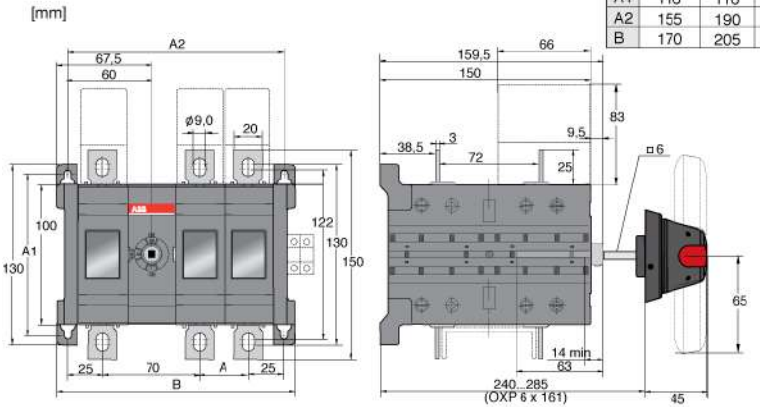
OT160-250E02-04C_



	OT160-250_C_		
	E02	E03	E04
A	35	35	35
A1	116	116	116
A2	120	155	190
B	135	170	205

C0000001 / OT160-250E02-04_C_ B

OT160-250E12-22C_



	OT160-250_C_				
	E12	E13	E22	E23	E33
A	35	35	35	35	35
A1	116	116	116	116	116
A2	155	190	190	225	260
B	170	205	205	240	275

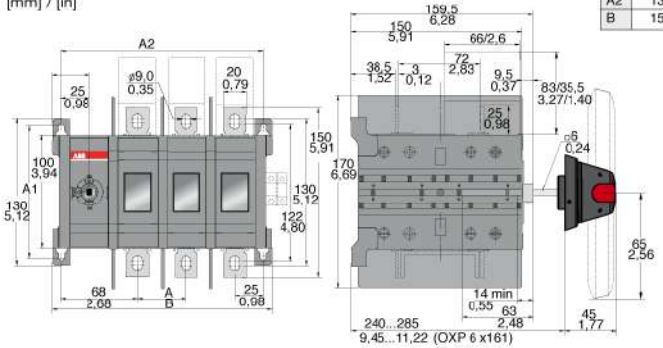
M002521 / OT160-250E12_33C_ B

OT200U02-04C_

	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

[mm] / [in]



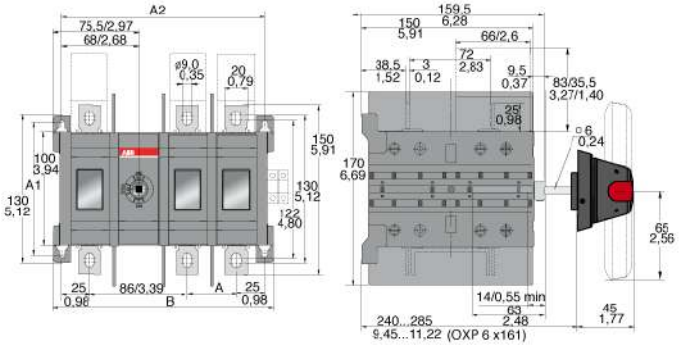
A06002

OT200U12-22C_

	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 / OT200U12-33C_ B

[mm] / [in]

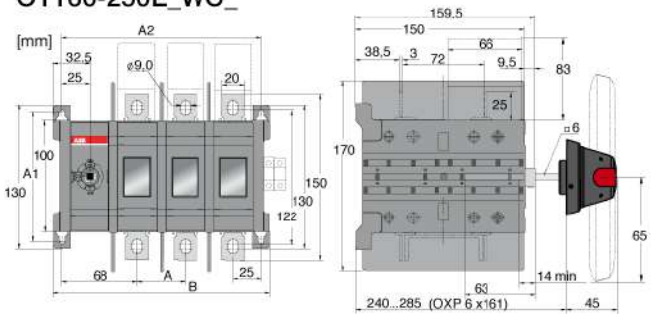


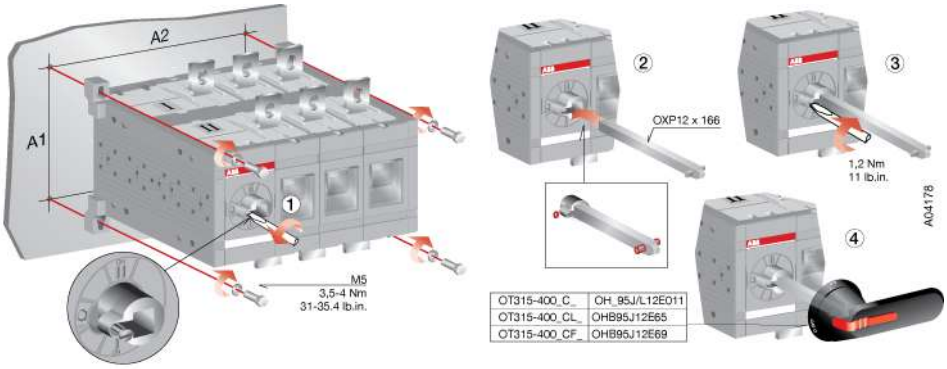
OT160-250E_WC_

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

C000910 / OT160-250E_WC_ B

[mm]



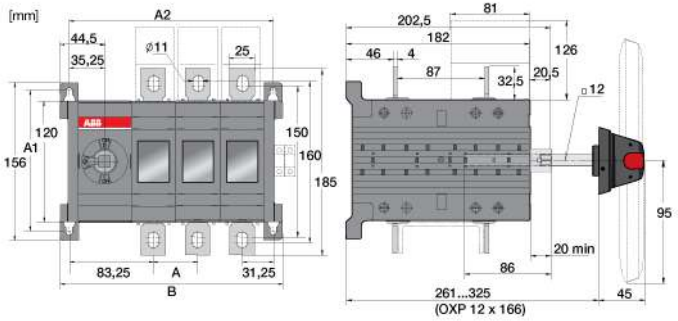


OT315-400_C_	OH_95J/L12E011
OT315-400_CL_	OHB95J12E65
OT315-400_CF_	OHB95J12E69

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

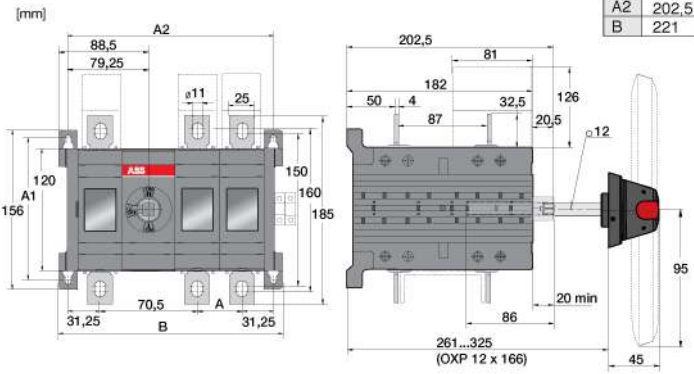
C000008 / 315-400E02-04_C_ B



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

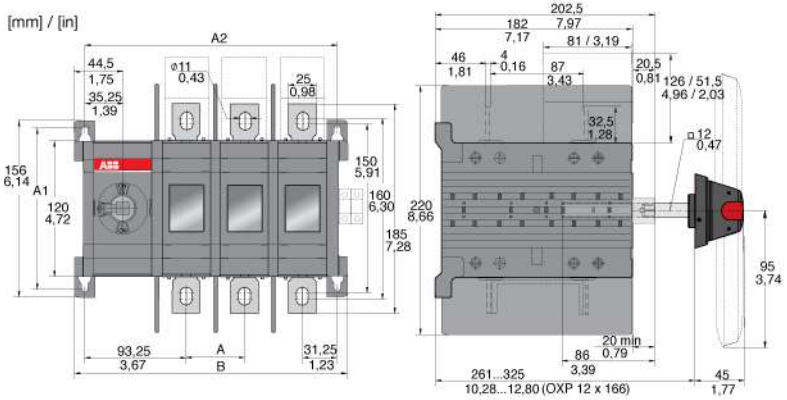
M00204 / OT315-400E12-33C_ B



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

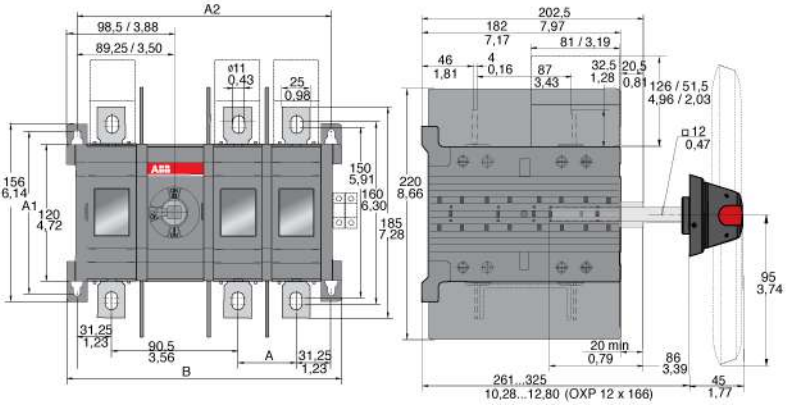


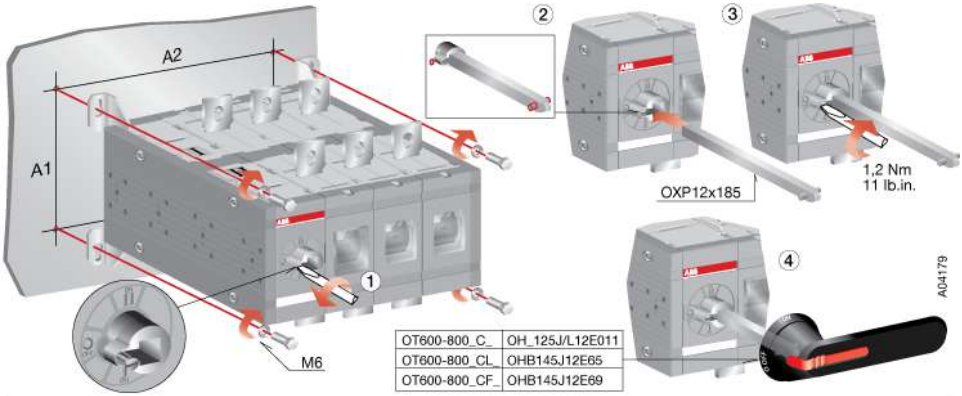
A06003

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

M00355 / OT400U12-33C_ B

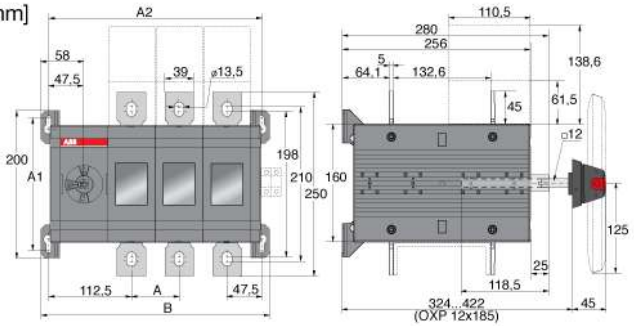




OT600-800_C_	OH_125J/L12E011
OT600-800_CL_	OHB145J12E65
OT600-800_CF_	OHB145J12E69

OT630-800E02-04C_

[mm]

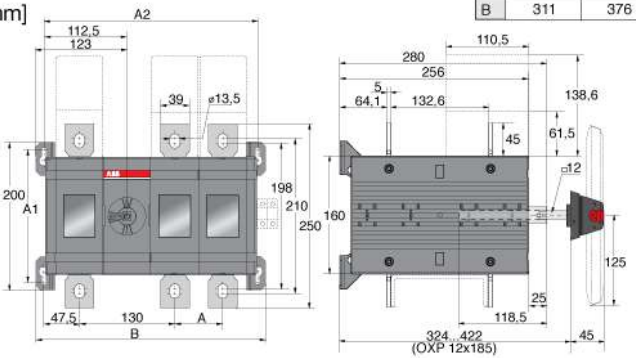


	OT630-800_C_		
	E02	E03	E04
A	65	65	65
A1	180	180	180
A2	225	290	355
B	246	311	376

M0008B/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

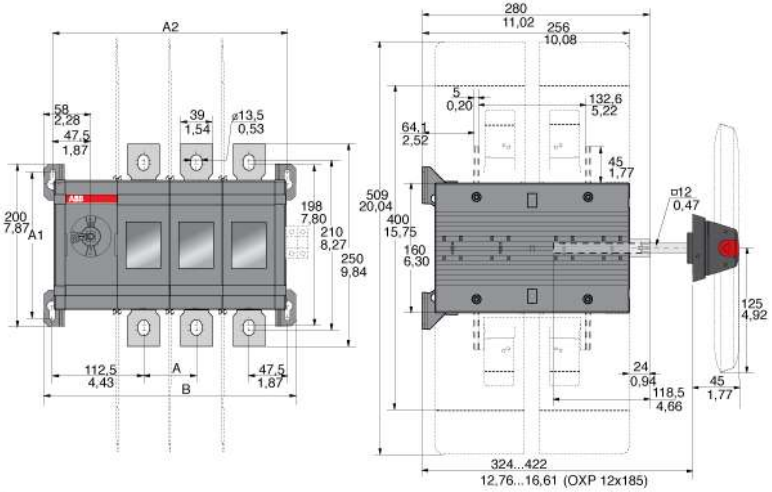
M0008B/OT630-800E12-33C_ B

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_ B

[mm] / [in]



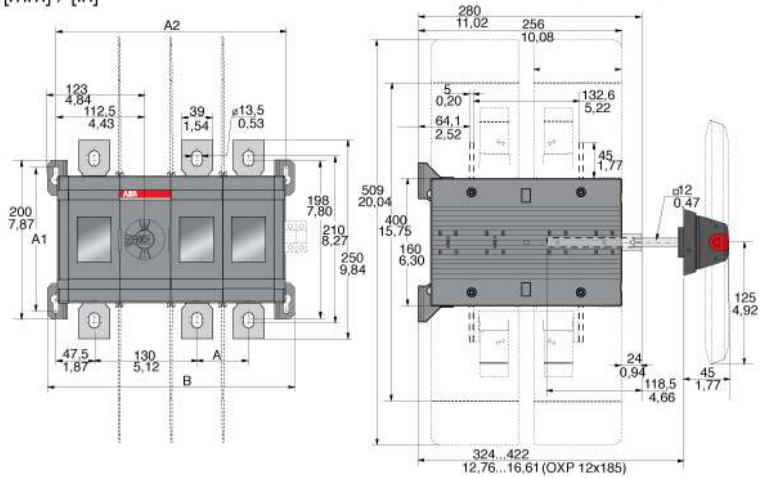
A06004

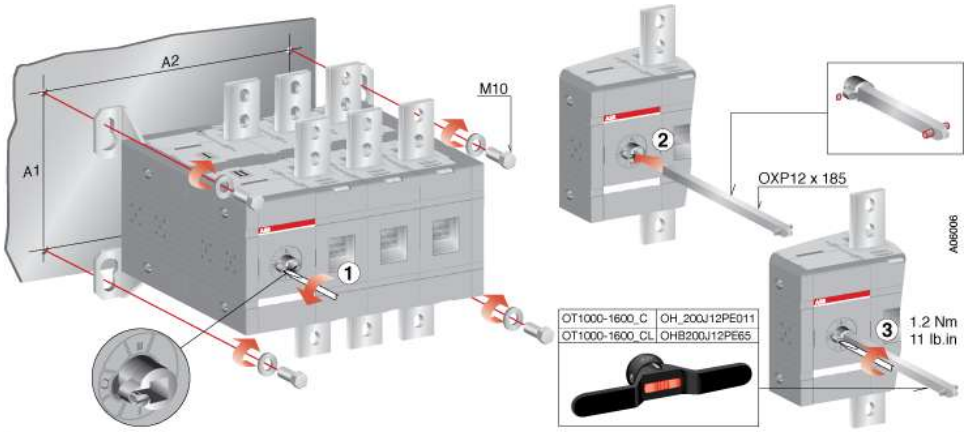
OT600U12-22C_

	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/OT600U12-33C_ B

[mm] / [in]



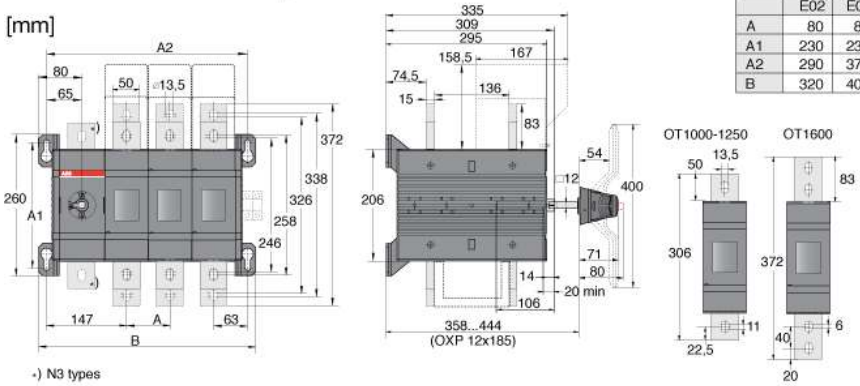


OT1000-1600E02-04C_

[mm]

	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

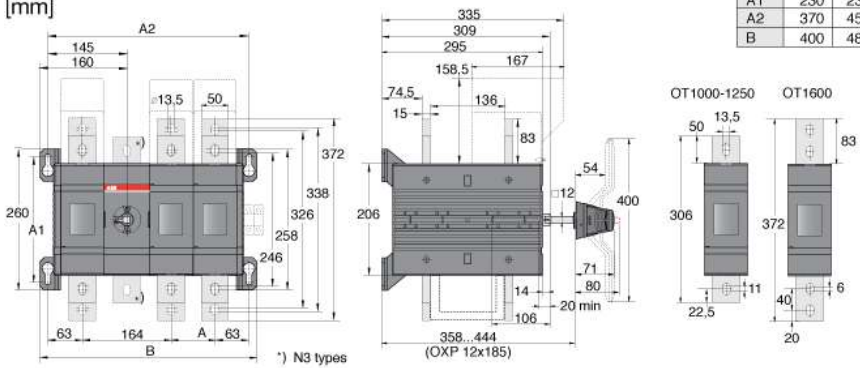


OT1000-1600E12-22C_

[mm]

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

M00178/OT1000-1600E12-22C-1 D

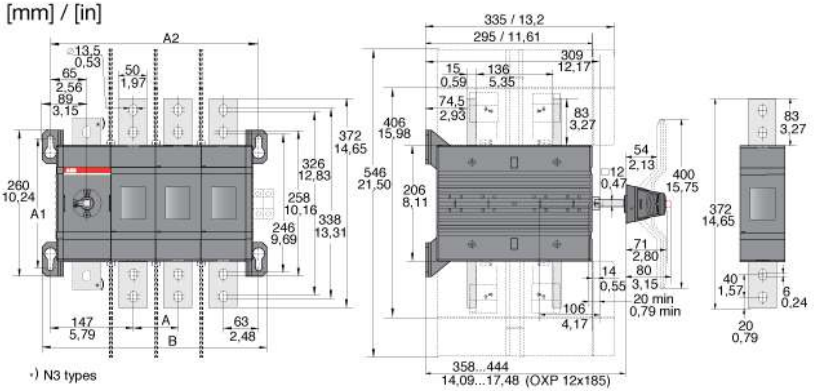


OT800-1200U02-04C_

	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

M00156/OT800-1200U_C-1 B

[mm] / [in]



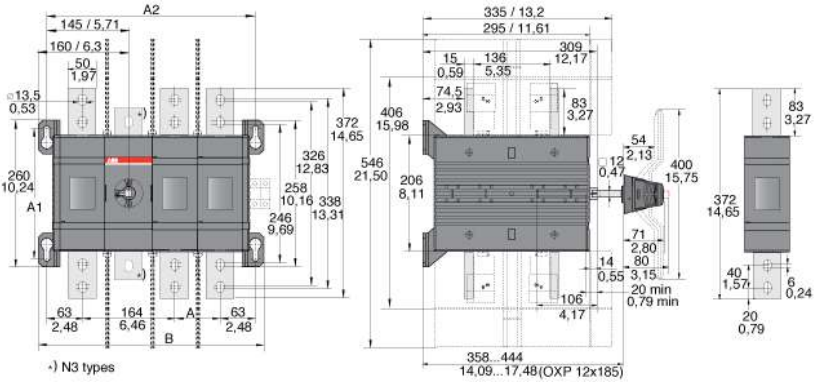
A06005

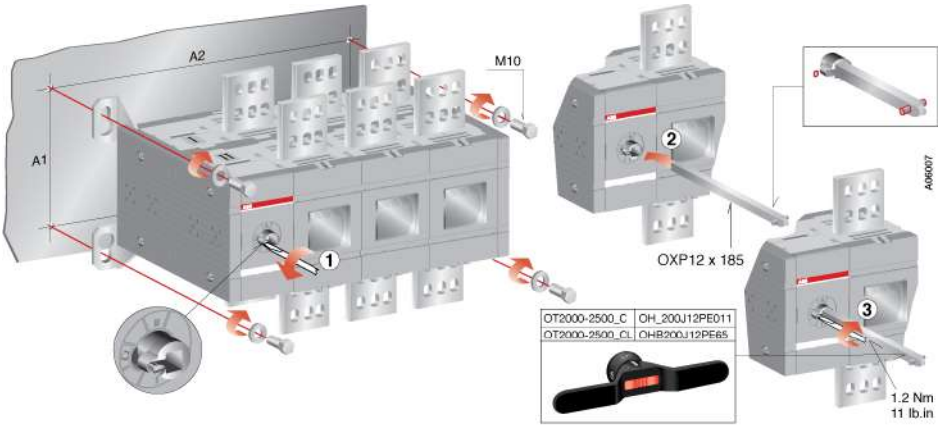
OT800-1200U12-22C_

	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

M00175/OT800-1200U12-22C-1 B

[mm] / [in]



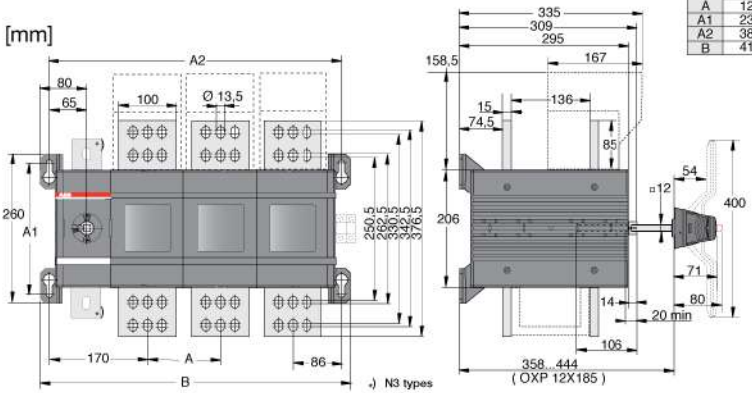


OT2000-2500E02-04C_

[mm]

	OT2000-2500_C_		
	E02	E03	E04
A	126	126	126
A1	230	230	230
A2	382	508	634
B	412	538	664

M00178/ OT2000-2500E_C_ C

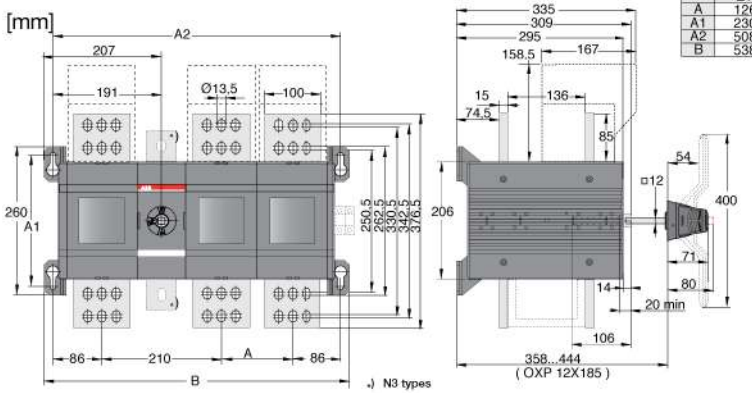


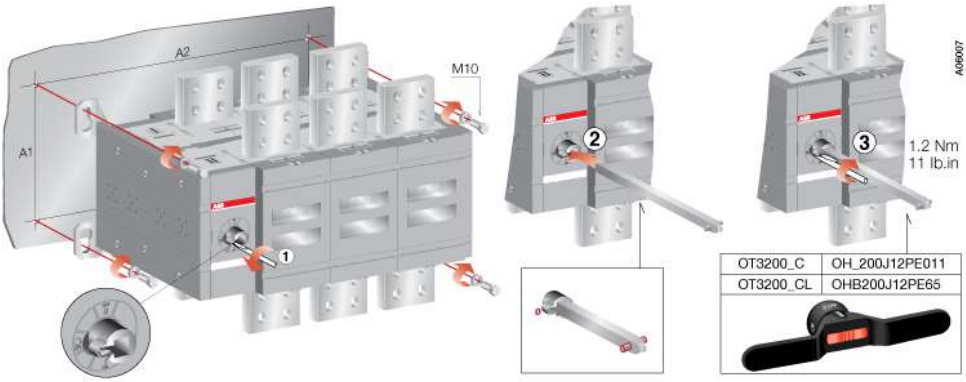
OT2000-2500E12-22C_

[mm]

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

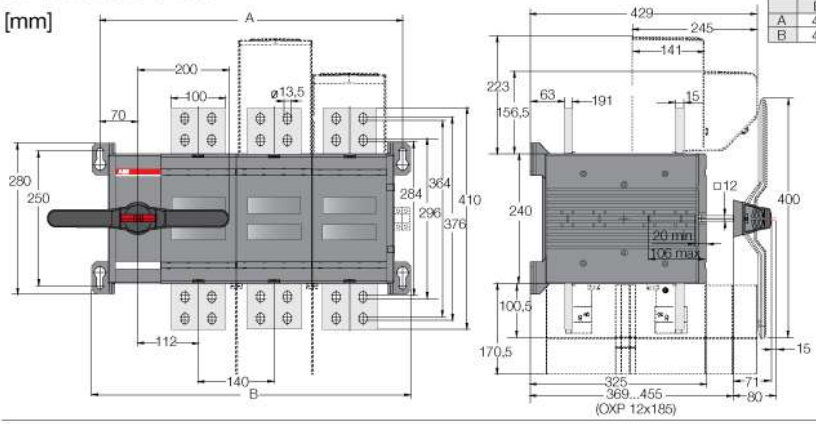
M00178/ OT2000-2500E12_C_ C





OT3200E02-04C_

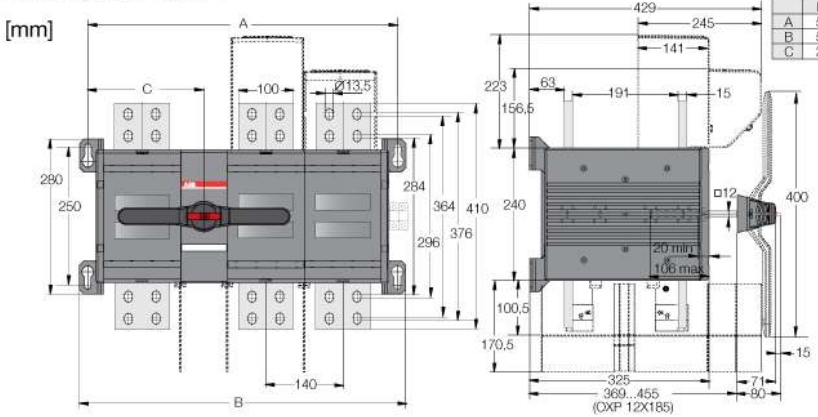
[mm]



OT3200_C_			
	E02	E03	E04
A	420	560	700
B	450	590	730

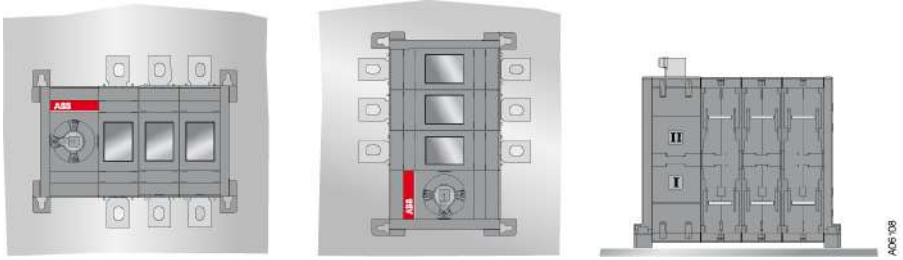
OT3200E12-22C_

[mm]



OT3200_C_			
	E12	E13	E22
A	560	700	700
B	590	730	730
C	210	210	350

Mounting positions



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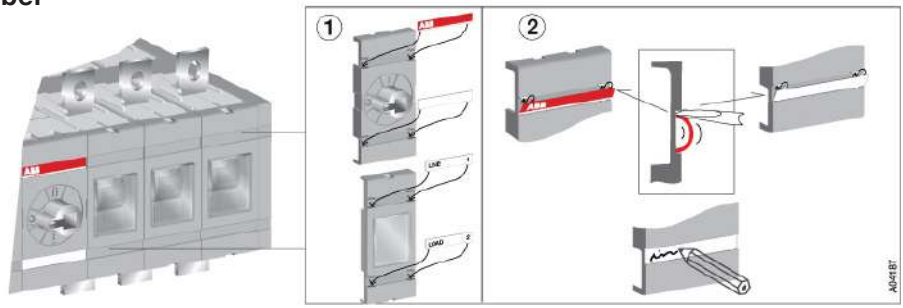
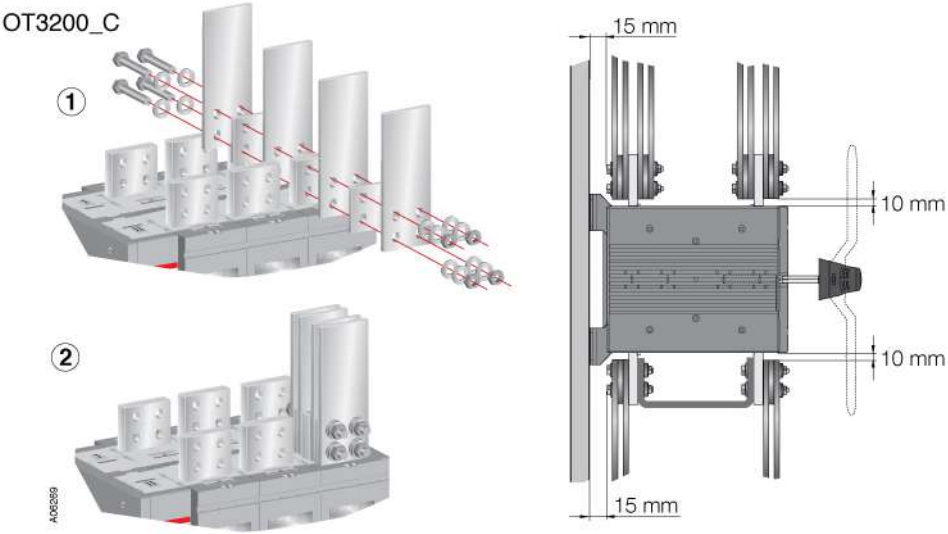
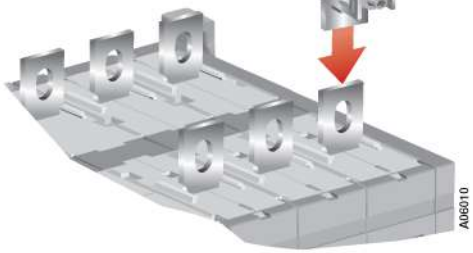


Connections



OZX_



OT2000-2500E_C_ OT3200E_C_
OZXB3
OZXB4
OZXB5
OZXB6
OZXB7L

OT1000-1600E_C_	OT800-1200U_C_
OZXB3	OZXA-1200_
OZXB4	OZXA-1206_
OZXB5	
OZXB6*	
OZXB7L	

* max. 1 pcs/side

OT630-800E_C_	OT600U_C_
OZXB3	OZXA-800_
OZXB4	OZXA-806_
OZXB5	
OZXB6*	
OZXB7L	

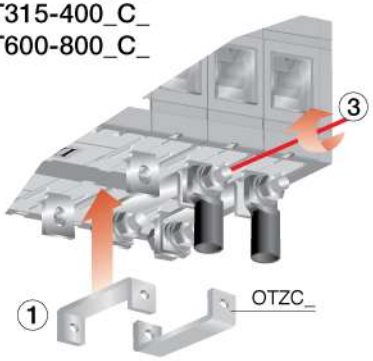
* max. 1 pcs/side

OT315-400E_C_	OT400U_C_
OZXB2L	OZXA-400_
OZXB3	OZXA-406_
OZXB7	
OZXB7L	
OZXB8	
OZXB9	

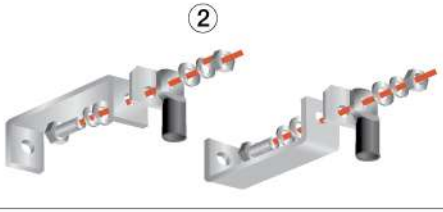
OT160-250E_C_	OT200U_C_
OZXB1L	OZXA-200_
OZXB2	OZXA-206_
OZXB2L	
OZXB8	
OZXB9	

OTZC_

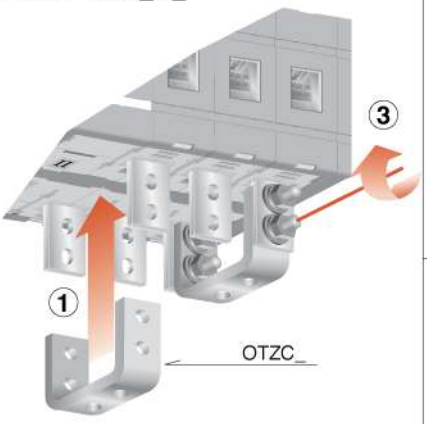
OT160-250_C_
OT315-400_C_
OT600-800_C_



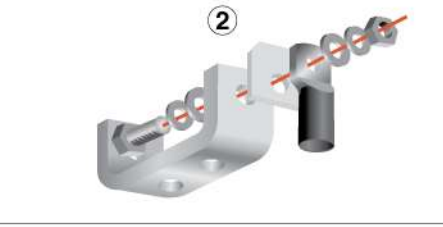
OT160-250_C_	OTZC13, OTZC14
OT315-400_C_	OTZC23, OTZC24
OT600-800_C_	OTZC33, OTZC34



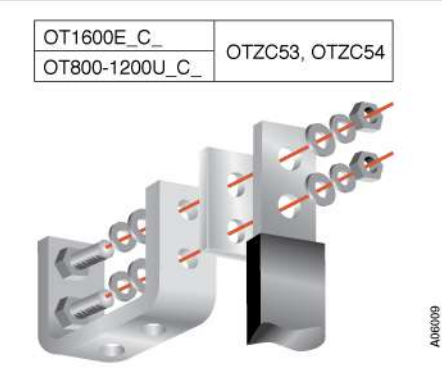
OT1000-1600_C_



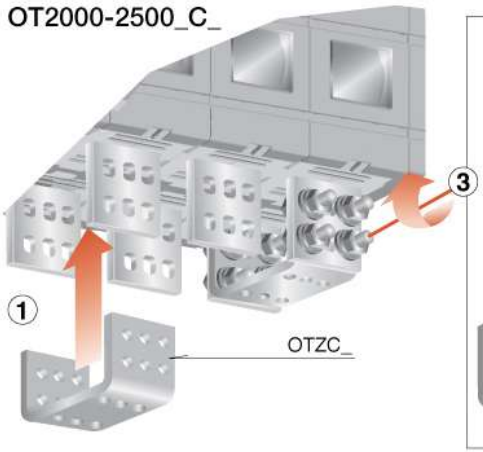
OT1000-1250E_C_	OTZC43, OTZC44



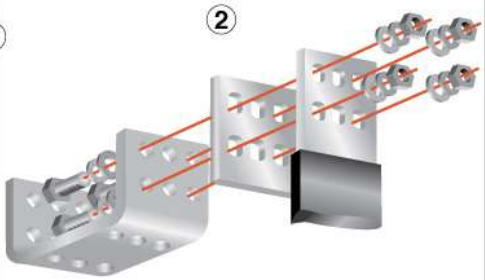
OT1600E_C_	OTZC53, OTZC54
OT800-1200U_C_	



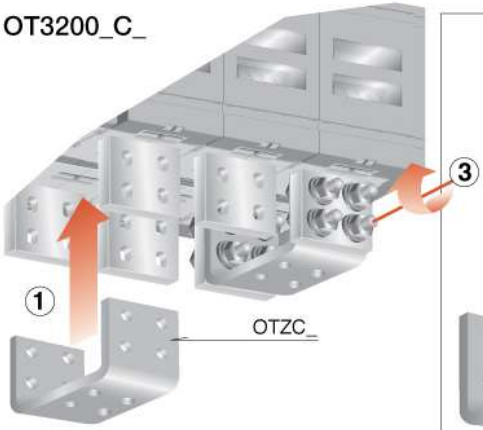
OT2000-2500_C_



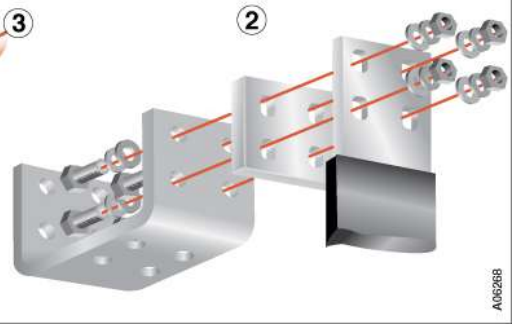
OT2000-2500E_C_	OTZC63, OTZC64



OT3200_C_

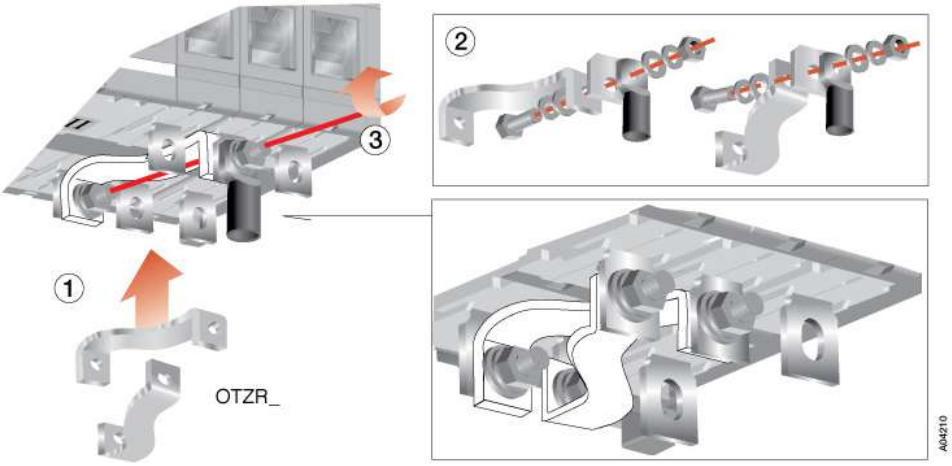


OT3200E_C_	OTZC73, OTZC74

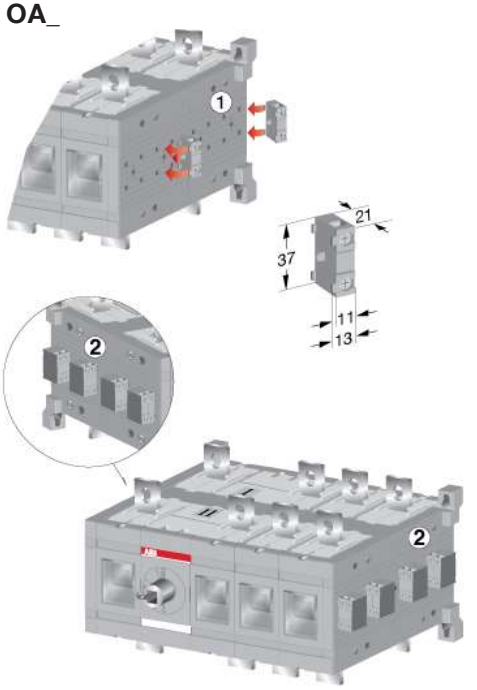


OTZR_

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



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		

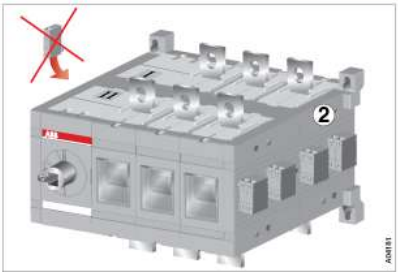
OT_CL

I max 2+2

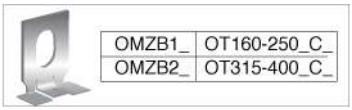
	OA 1G10	OA 3G01
I		
I+II		
II		

II max 2+2

	OA 1G10	OA 3G01
I		
I+II		
II		

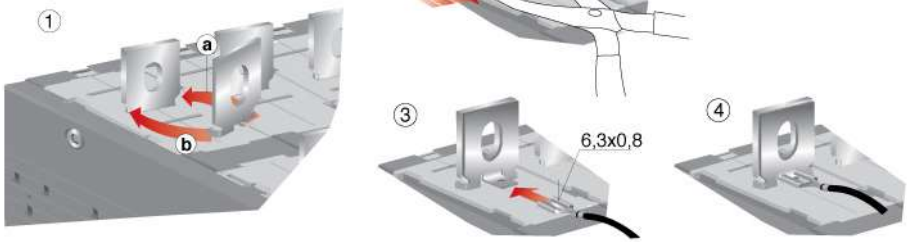


OMZB_



OMZB1_	OT160-250_C_
OMZB2_	OT315-400_C_

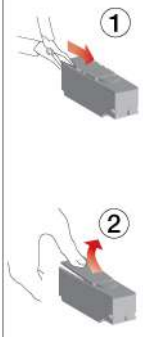
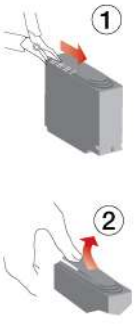
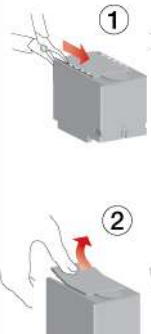
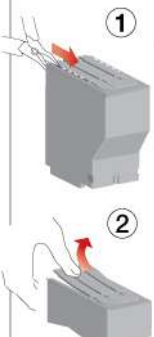
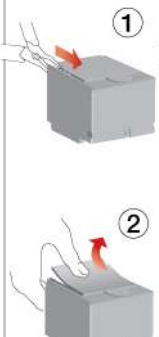
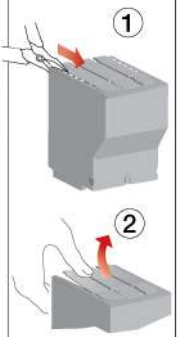
OMZB3_	OT630-800E_C_
	OT600U_C_



OMZB4_	OT1000-2500E_C_
	OT800U_C_
	OT3200E_C_

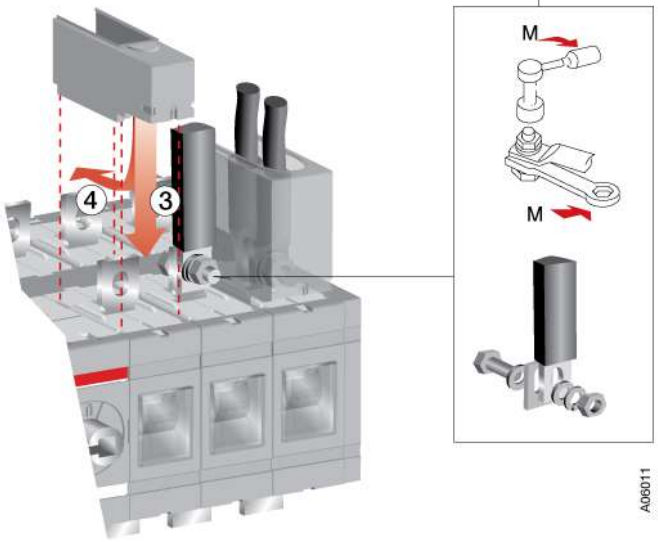
A06123

OTS_

OTS250$^{G}_{T}$1S OTS400$^{G}_{T}$1S OTS800$^{G}_{T}$1S	OTS250$^{G}_{T}$1L OTS400$^{G}_{T}$1L OTS800$^{G}_{T}$1L	OTS1600$^{G}_{T}$1S OTS2500$^{G}_{T}$1S	OTS1600$^{G}_{T}$1L OTS2500$^{G}_{T}$1L	OTS4000$^{G}_{T}$1S	OTS4000$^{G}_{T}$1L
					

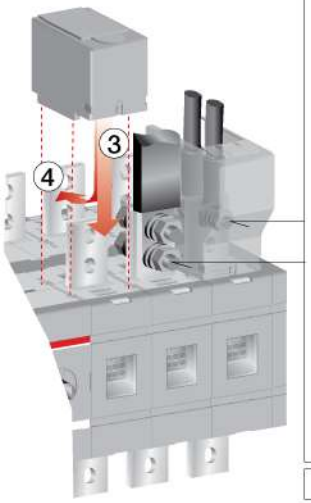
OT160-250_C_
OT315-400_C_
OT600-800_C_

			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.

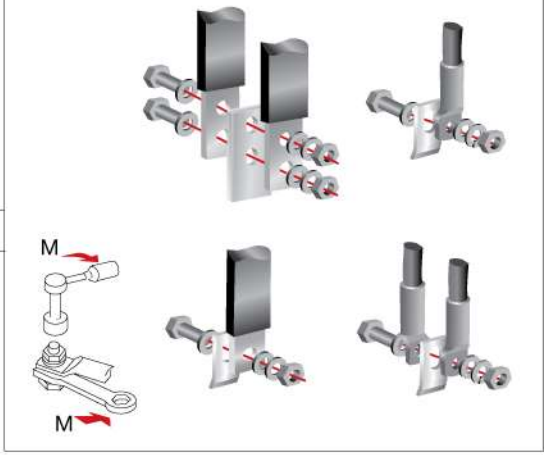


OTS_

OT1000-1600_C_

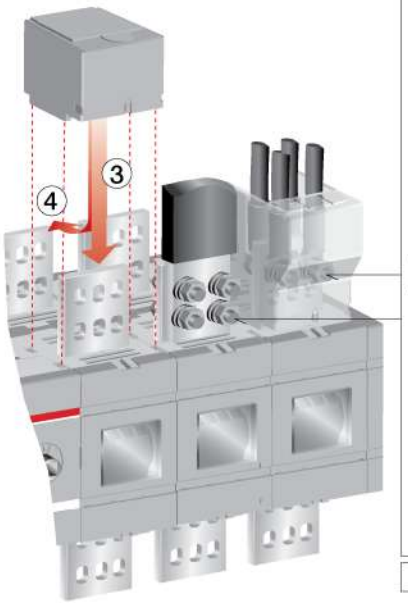


OT1000-1600E_C_
OT800-1200U_C_

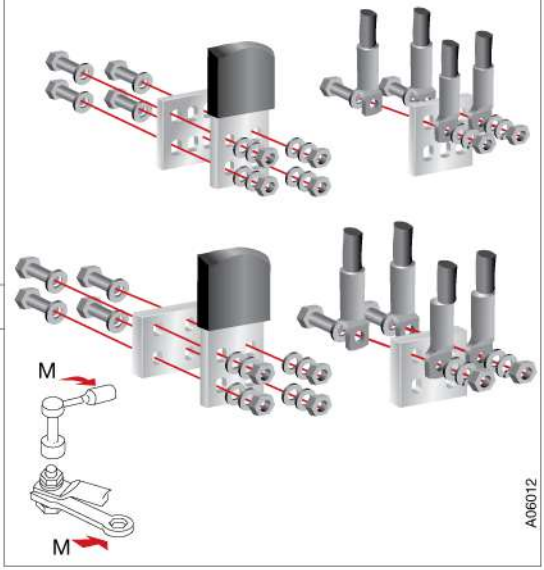


M12	50...75Nm	443-664 lb.in.

OT2000-2500_C_
OT3200_C_



OT2000-2500E_C_
OT3200E_C_

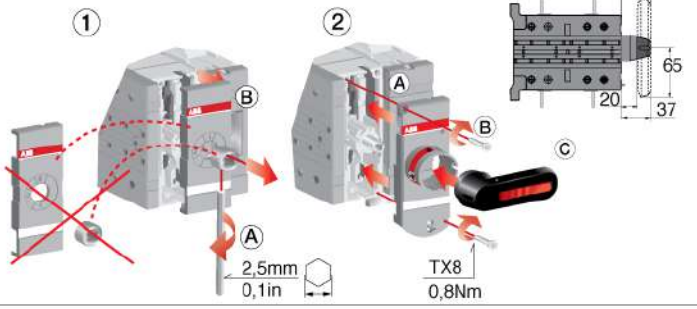


M12	50...75Nm	443-664 lb.in.

OTV

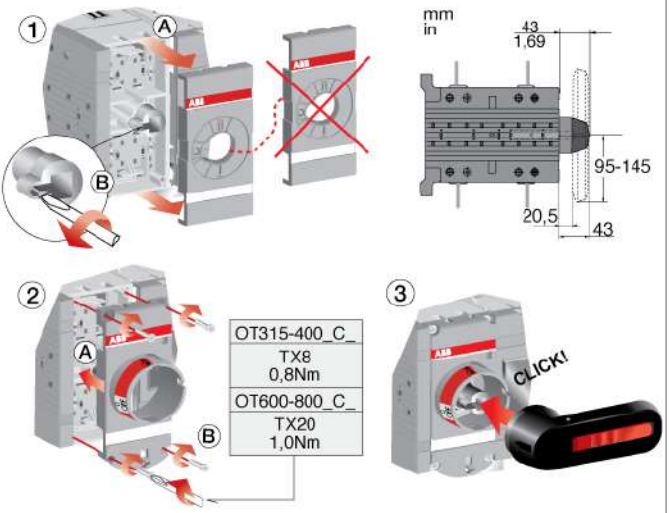
OT160-250_C
OT160-250_CL
OT160-250_CF

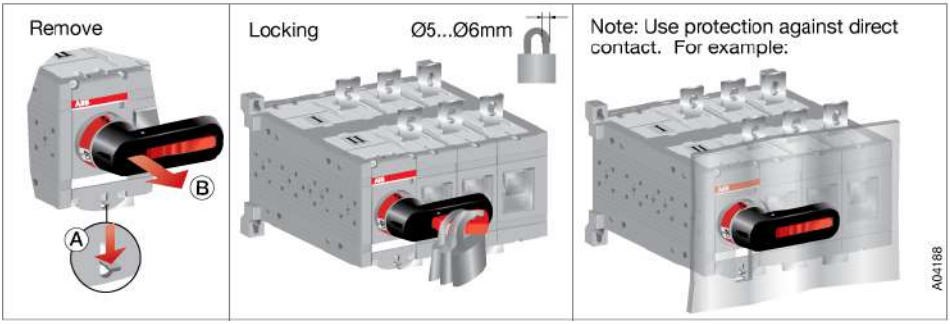
OTV250ECK
OTV250ECLK
OTV250ECFK



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

OTV400ECK
OTV800ECK
OTV400ECLK
OTV800ECLK
OTV400ECFK
OTV800ECFK

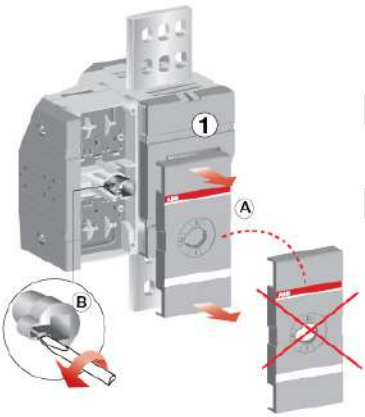


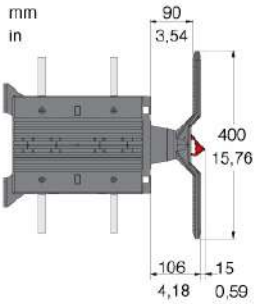


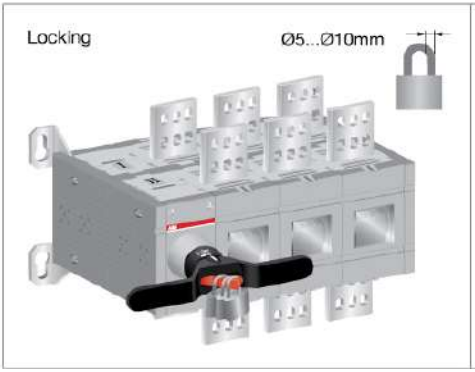
OTV_

OT1000-2500_C
OT1000-2500_CL
OT3200_C
OT3200_CL

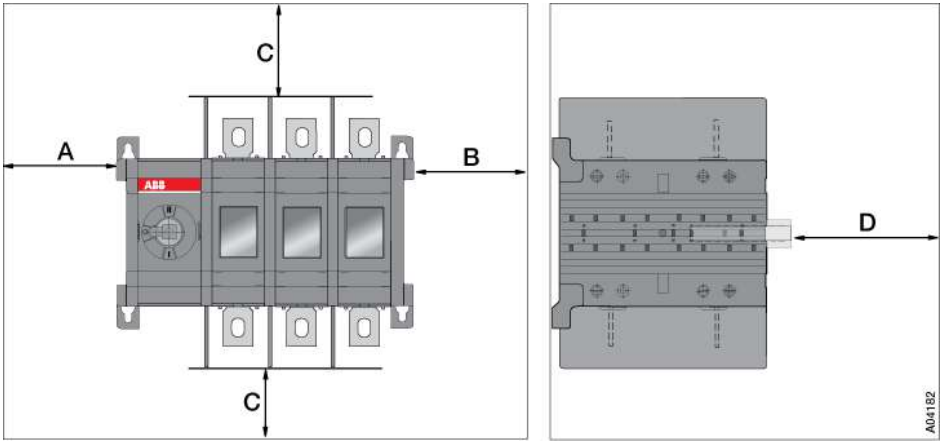
OTV1000ECK
OTV1000ECLK







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

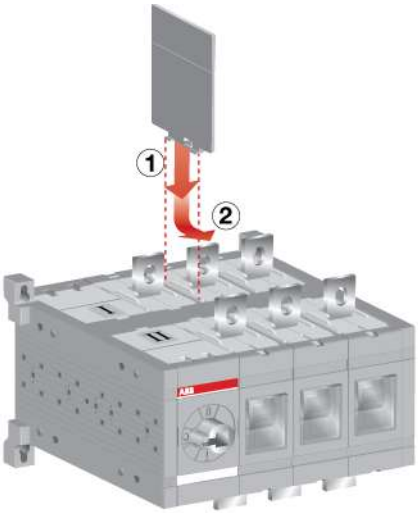
	A	B	D
OT200-1200U_C	0	13 mm/0,5 in	13 mm/0,5 in

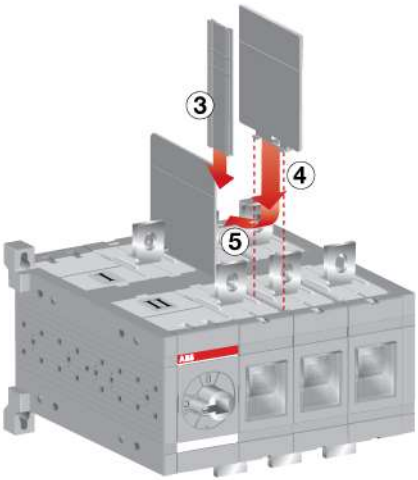
OT200U_C			
Cable size		Cable size	
AWG	C	MCM	C
4-3	100 mm/4 in	250	200 mm/8 in
2	100 mm/4 in	300	250 mm/10 in
1	100 mm/4 in		
1/0	125 mm/5 in		
2/0	150 mm/6 in		
3/0-4/0	175 mm/7 in		

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_

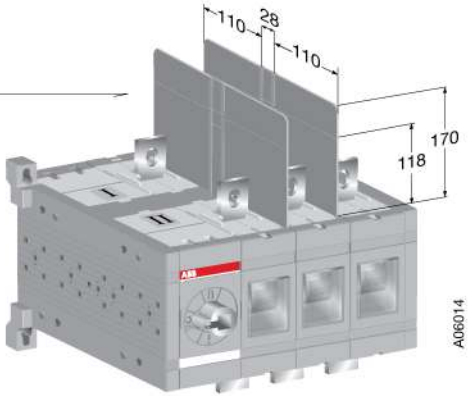




Phase barrier type 68838 on:
OT600U_C
OT630-800E_C

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.

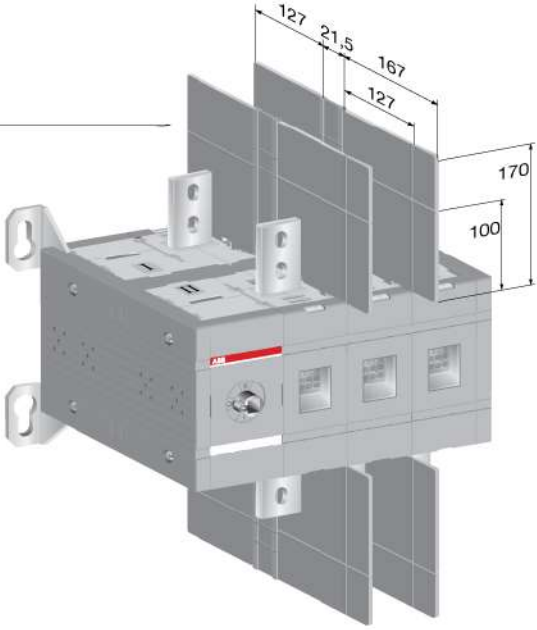


Phase barrier type 68912 on:
OT800-1200U_C_
OT1000-1600E_C_
OT2000-2500E_C_

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

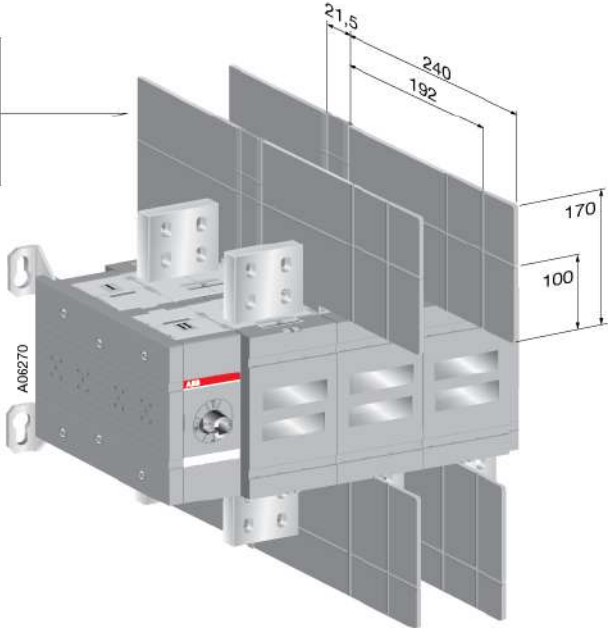
Phase barriers 68912 or shrouds must be used to maintain a clearance of 1 inch on the manual change-over and transfer switches types OT800U_C and OT1200U_C, if lugs are wider than 54 mm/2,13 in.

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



Phase barriers CXBY69470 must be used on OT3200E_C.

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



Printed by: Waasa Graphics Oy, Vaasa Finland
Producted by: GRAFIMER, Vaasa, Finland

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