



Breakers and Switches

Switches

Manual bypass switches

OT160...800E_Y

Space saving solution

Manual bypass switches 160...800 Amperes



Bypass switches are typically used for bypassing various types of electrical equipment. Traditionally, bypass switches were built by using individual switch-disconnectors connected with conversion kits. ABB offers a modern solution: one single device, consisting of three switches and no conversion kits. This does not only have a high performance, but optimizes space.

Compact design

Three switches are stacked on top of each other; so the total footprint is equivalent to only one switch. ABB's bypass switches can be fitted into a smaller cabinet, compared to bypass switches built using conversion kits.

- Space-saving solution

Safe maintenance

ABB's bypass switches fulfill isolating requirements according to IEC 60947-3. There is no need for additional isolating devices.

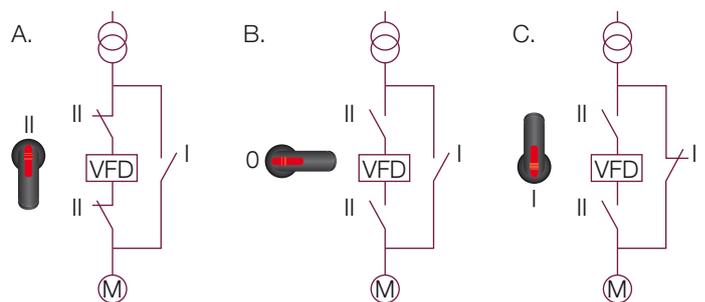
- Equipment can be safely maintained while the load is being supplied directly from the source.

Typical application - Drives bypass

One typical place for a bypass switch is in drives application. On the following example the drives unit can be bypassed, for maintenance purposes.

The ABB bypass switch has three stable positions:

- Position II, where two switches are closed.
- Position O, where all three switches are opened.
- Position I, where one switch is closed.



VFD = variable frequency drive

- A. Normal situation: the load is supplied through the drive.
- B. The load is disconnected from the drive.
- C. Bypass situation: The drive is isolated from the supply, but at the same time the load is connected directly to the power supply.

ABB offers a modern solution for bypassing various types of loads: three switches, one single device. ABB's bypass switches guarantee the same performance within a smaller footprint, while fulfilling the necessary isolation requirements.



Technical data

Manual bypass switches OT160...800E_Y

Manual bypass switches

Data according to IEC 60947-3			Switch size
Rated insulation voltage and rated operational voltage AC20/DC20		Pollution degree 3	V
Dielectric strength		50 Hz 1min.	kV
Rated impulse withstand voltage			kV
Rated thermal current and rated operational current AC20/DC20	/ ambient 40°C	In open air	A
..with minimum conductor cross section	/ ambient 40°C	In enclosure	A
Rated operational current, AC-21A		Cu	mm ²
		up to 500 V	A
		690 V	A
Rated operational current, AC-22A		up to 500 V	A
		690 V	A
Rated operational current, AC-23A		up to 415 V	A
		440 V	A
		500 V	A
		690 V	A
Rated operational current / poles in series, DC-21A...23A		up to 110 V	A
		220 V	A
		440 V	A
		660 V	A
Rated operational power, AC-23A ²⁾		230 V	kW
The kW-ratings are accurate for 3-phase 1500 R.P.M. standard asynchronous motors		400 V	kW
		415 V	kW
		500 V	kW
		690 V	kW
Rated breaking capacity in category AC-23		up to 415 V	A
		500 V	A
		690 V	A
Rated conditional short-circuit current I _p (r.m.s.) and cut-off current î _c (peak) value. The cut-off current î _c refers to values listed by fuse manufacturers (single phase test acc. to IEC60269).	I _p (r.m.s.) 80 kA, 415 V Max. OFA_ fuse size	î _c (peak) gG/aM	kA A/A
	I _p (r.m.s.) 100 kA, 500 V Max. OFA_ fuse size	î _c (peak) gG/aM	kA A
	I _p (r.m.s.) 80 kA, 690 V Max. OFA_ fuse size	î _c (peak) gG/aM	kA A
Rated short-time withstand current	I _{cw} (r.m.s.)	690 V 0.15s 690 V 0.25s 690 V 1s	kA kA kA
Rated short-time making capacity ³⁾	I _{em peak} ⁴⁾	690 V	kA
Power loss / pole	With rated current		W
Mechanical endurance	Number of oper. cycles ⁵⁾		Cycles
Mechanical endurance / switch	Number of operations		Oper.
Terminal bolt size	Metric thread diameter x length		mm
Terminal tightening torque	Counter torque required		Nm
Operating torque	Typical for 3-pole switches		Nm
Weight without accessories	Manual change-over switches	3-pole switch 4-pole switch	kg kg
Data according to IEC 60947-6-1			
Class of equipment			
Rated short-time withstand current	I _{cw} (r.m.s.)	690 V 0.1s	kA
Rated operational current, AC-31B		up to 415 V	A
Rated operational current, AC-33B		up to 415 V	A

¹⁾ Utilization category B

²⁾ These values are given for guidance and may vary acc. to the motor manufacturer

³⁾ Short circuit duration > 50ms, without fuse protection

⁴⁾ Max. distance from switch frame to nearest busbar / cable support 150 mm

⁵⁾ Operating cycle: O - I - O - II - O

OT160_	OT200_	OT250_	OT315_	OT400_	OT630_	OT800_
1 000	1 000	1 000	1 000	1 000	1 000	1 000
10	10	10	10	10	10	10
12	12	12	12	12	12	12
160	200	250	315	400	630	800
160	200	250	315	400	630	800
70	95	120	185	240	2 × 185	2 × 240
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160	200	250	315	400	630	800
160 / 2	200 / 2	250 / 2	315 / 1 ¹⁾	400 / 1 ¹⁾	630 / 1	800 / 1
160 / 2	200 / 2	250 / 2	315 / 2 ¹⁾	400 / 2 ¹⁾	630 / 1	800 / 1
160 / 3	200 / 3	230 / 3	315 / 3	360 / 3	630 / 2	720 / 2
160 / 4	200 / 4	200 / 4	315 / 4	315 / 4	630 / 4 ¹⁾	630 / 4 ¹⁾
45	60	75	100	132	200	250
90	110	140	160	220	355	450
90	110	145	180	230	355	450
110	132	170	220	280	400	560
160	200	250	315	400	630	800
1 280	1 600	2 000	2 520	3 200	5 040	6 400
1 280	1 600	2 000	2 520	3 200	5 040	6 400
1 280	1 600	2 000	2 520	3 200	5 040	6 400
40.5	40.5	40.5	59	59	83.5	83.5
355 / 315	355 / 315	355 / 315	500 / 500	500 / 500	800 / 1 000	800 / 1 000
40.5	40.5	40.5	61.5	61.5	90	90
315 / 315	315 / 315	315 / 315	500 / 450	500 / 450	800 / 800	800 / 800
40.5	40.5	40.5	59	59	83.5	83.5
355 / 315	355 / 315	355 / 315	500 / 500	500 / 500	800 / 1 000	800 / 1 000
15	15	15	31	31	38	38
15	15	15	24	24	36	36
8	8	8	15	15	20	20
30	30	30	65	65	80	80
2.4	4	6.5	6.5	10	25	40
8 000	8 000	8 000	8 000	8 000	5 000	5 000
16 000	16 000	16 000	16 000	16 000	10 000	10 000
M8 × 25	M8 × 25	M8 × 25	M10 × 30	M10 × 30	M12 × 40	M12 × 40
15...22	15...22	15...22	30...44	30...44	50...75	50...75
14	14	14	32	32	54	54
4.3	4.3	4.3	8.2	8.2	19.9	19.9
5.8	5.8	5.8	11.0	11.0	26.6	26.6
PC	PC	PC	PC	PC	PC	PC
15	15	15	25	25	38	38
160	200	250	315	400	630	800
160	200	250	315	400	630	800

Ordering information

Manual bypass switches, IEC-types



OT160...250E03_YP

Manual bypass switches, I-O-II -operation, open transition

Including a black plastic IP65 I-O-II pistol type handle and a handle extension for enabling smooth manual operation, shaft and bolt set for the cable connection. The handle extension is snap-on mounted on the standard handle for manual operation. The handle extension shall be removed when padlocking the standard handle. Handle padlockable in the 0-position, door interlock in the I- and II-positions and when padlocked.

No. of poles	Rated current and power			Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
	AC-21A...AC-22A		AC-23A				
	≤ 415V I[A]	400V S[kVA]	400...415V I[A] / P[kW]				
3	160	110	160/90	OT160E03YP	1SCA123551R1001	1	5.6
3	160	110	160/90	OT160E12YP	1SCA123563R1001	1	5.6
4	160	110	160/90	OT160E04YP	1SCA123556R1001	1	7.5
4	160	110	160/90	OT160E13YP	1SCA123569R1001	1	7.5
4	160	110	160/90	OT160E22YP	1SCA123575R1001	1	7.5
3	200	135	200/110	OT200E03YP	1SCA123552R1001	1	5.6
3	200	135	200/110	OT200E12YP	1SCA123564R1001	1	5.6
4	200	135	200/110	OT200E04YP	1SCA123557R1001	1	7.5
4	200	135	200/110	OT200E13YP	1SCA123570R1001	1	7.5
4	200	135	200/110	OT200E22YP	1SCA123576R1001	1	7.5
3	250	170	250/140	OT250E03YP	1SCA123553R1001	1	5.6
3	250	170	250/140	OT250E12YP	1SCA123565R1001	1	5.6
4	250	170	250/140	OT250E04YP	1SCA123558R1001	1	7.5
4	250	170	250/140	OT250E13YP	1SCA123571R1001	1	7.5
4	250	170	250/140	OT250E22YP	1SCA123577R1001	1	7.5

Shafts, handle, handle extension and bolt kits included as standard

Suitable for switches	Shaft	Handle	Handle extension	Bolt kit
OT160...250_Y	OXp6/12x161C	OHB65J12E011	OHBZX200	M8x25

Ordering information

Manual bypass switches, IEC-types



OT315...400E03_YP



OT630...800E03_YP

Manual bypass switches, I-O-II -operation, open transition

Including a black plastic IP65 I-O-II pistol type handle and a handle extension for enabling smooth manual operation, shaft and bolt set for the cable connection. The handle extension is snap-on mounted on the standard handle for manual operation. The handle extension shall be removed when padlocking the standard handle. Handle padlockable in the 0-position, door interlock in the I- and II-positions and when padlocked.

No. of poles	Rated current and power			Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
	AC-21A...AC-22A ≤ 415V I[A]	400V S[kVA]	AC-23A 400...415V I[A] / P[kW]				
3	315	215	315/160	OT315E03YP	1SCA123581R1001	1	10.1
3	315	215	315/160	OT315E12YP	1SCA123585R1001	1	10.1
4	315	215	315/160	OT315E04YP	1SCA123583R1001	1	13.5
4	315	215	315/160	OT315E13YP	1SCA123588R1001	1	13.5
4	315	215	315/160	OT315E22YP	1SCA123586R1001	1	13.5
3	400	275	400/220	OT400E03YP	1SCA123582R1001	1	10.1
3	400	275	400/220	OT400E12YP	1SCA123584R1001	1	10.1
4	400	275	400/220	OT400E04YP	1SCA124026R1001	1	13.5
4	400	275	400/220	OT400E13YP	1SCA123589R1001	1	13.5
4	400	275	400/220	OT400E22YP	1SCA123587R1001	1	13.5
3	630	435	630/355	OT630E03YP	1SCA123590R1001	1	43.9
3	630	435	630/355	OT630E12YP	1SCA123594R1001	1	43.9
4	630	435	630/355	OT630E04YP	1SCA123592R1001	1	58,5
4	630	435	630/355	OT630E13YP	1SCA123599R1001	1	58,5
4	630	435	630/355	OT630E22YP	1SCA123597R1001	1	58,5
3	800	550	800/450	OT800E03YP	1SCA123591R1001	1	43.9
3	800	550	800/450	OT800E12YP	1SCA123595R1001	1	43.9
4	800	550	800/450	OT800E04YP	1SCA123593R1001	1	58,5
4	800	550	800/450	OT800E13YP	1SCA123598R1001	1	58,5
4	800	550	800/450	OT800E22YP	1SCA123596R1001	1	58,5

Shafts, handle, handle extension and bolt kits included as standard

Suitable for switches	Shaft	Handle	Handle extension	Bolt kit
OT315...400_Y	OXp12x166	OHB95J12E011	OHBZX200	M10x30
OT630...800_Y	OXp12x185	OHB125J12E011	OHBZX275	M12x40

Ordering information

Accessories — external handles



507164

OT160...250E03_YP

Pistol type handle, plastic, indication I - O - II

Units / type = 1 pcs.

Suitable for switches	Colour	Shaft diameter [mm]	Type	Order number	Delivery batch [pcs]	Weight/unit [kg]
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Padlockable in all positions

IP65, Nema type 1, 3R, 12. Door interlock in I- and II-position and when padlocked.

Padlocking possibility with three padlocks, bail dia Ø 5...10 mm.

OT160...250E_Y	Black	12	OHB65J12E311	1SCA126257R1001	1	0.12
OT315...400E_Y	Black	12	OHB95J12E311	1SCA022779R2140	1	0.12
OT630...800E_Y	Black	12	OHB125J12E311	1SCA022615R1730	1	0.14

Padlockable in the 0-position

IP65, Nema type 1, 3R, 12. Door interlock in I- and II-position and when padlocked.

Padlocking possibility with three padlocks, bail dia Ø 5...10 mm.

OT160...250E_Y	Black	12	OHB65J12E011	1SCA123656R1001	1	0.12
OT315...400E_Y	Black	12	OHB95J12E011	1SCA022621R0760	1	0.12
OT630...800E_Y	Black	12	OHB125J12E011	1SCA022589R3340	1	0.14



OHBZX200



OHBZX275

Handle extension, plastic

The handle extension is snap-on mounted on the standard handle for manual operation. The handle extension shall be removed when padlocking the standard handle.

Units / type = 1 pcs.

Suitable for switches	Colour	Type	Order number	Delivery batch [pcs]	Weight/unit [kg]
OT160...400E_Y	Black	OHBZX200	1SCA125960R1001	1	0.12
OT630...800E_Y	Black	OHBZX275	1SCA125963R1001	1	0.12

Ordering information

Accessories — extended shafts



OXp6/12x161C_

S07248



OXp12X_

S00047A

Extended shafts

The type and ordering numbers are for one piece.

Suitable for switches	Installation depth [mm]	Length [mm]	Type	Order number	Delivery batch [pcs]	Weight/unit [kg]
Shaft diameter 6/12 mm (6 mm to 12 mm conversion shaft)						
OT160...250E_Y	330...370	161	OXp6/12x161C	1SCA111724R1001	1	0.05
Shaft diameter 12 mm						
OT315...400E_Y	305...369	107	OXp12X107	1SCA022029R9750	1	0.12
OT315...400E_Y	346...410	148	OXp12X148	1SCA022658R5570	1	0.17
OT315...400E_Y	364...428	166	OXp12X166	1SCA022325R7100	1	0.20
OT315...400E_Y	383...447	185	OXp12X185	1SCA022325R6710	1	0.22
OT315...400E_Y	448...512	250	OXp12X250	1SCA022325R6980	1	0.29
OT315...400E_Y	478...542	280	OXp12X280	1SCA022137R5140	1	0.33
OT315...400E_Y	523...587	325	OXp12X325	1SCA022042R5810	1	0.38
OT315...400E_Y	593...657	395	OXp12X395	1SCA022042R5990	1	0.46
OT315...400E_Y	663...727	465	OXp12X465	1SCA022042R6020	1	0.54
OT630...800E_Y	451...536	148	OXp12X148	1SCA022658R5570	1	0.17
OT630...800E_Y	488...573	185	OXp12X185	1SCA022325R6710	1	0.22
OT630...800E_Y	553...638	250	OXp12X250	1SCA022325R6980	1	0.29
OT630...800E_Y	628...713	325	OXp12X325	1SCA022042R5810	1	0.38
OT630...800E_Y	698...783	395	OXp12X395	1SCA022042R5990	1	0.46
OT630...800E_Y	768...853	465	OXp12X465	1SCA022042R6020	1	0.54

Ordering information

Accessories — auxiliary contacts



OA1G10_



OA3G01_

Auxiliary contact blocks for OT160...800E_Y

Mounting on the right side of the switch: Max. 4 auxiliary contact blocks/switch (totally 8 blocks). Types _AU have gold plated contacts for harsh environments and low operating voltages. Simultaneous action with the main contacts, IP20. The type and ordering numbers are for one piece.

Suitable for switches	Contact functions	Installation side	Type	Order number	Delivery batch [pcs]	Weight/unit [kg]
OT160...800E_Y	1NO	Right	OA1G10	1SCA022353R4970	10	0.03
OT160...800E_Y	1NC	Right	OA3G01	1SCA022456R7410	10	0.03
OT160...800E_Y	1NO	Right	OA1G10AU	1SCA022436R7910	10	0.03
OT160...800E_Y	1NC	Right	OA3G01AU	1SCA022819R5260	10	0.03

Function tables

Function table of OT160...800_Y auxiliary contacts / Switch I (max. 2+2)

Handle position	Main contacts	OA1G10 NO	OA3G01 NC
I	closed	closed	open
0	open	open	closed
II	closed	open	closed

Function table of OT160...800_Y auxiliary contacts / Switch II (max. 2+2)

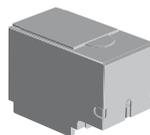
Handle position	Main contacts	OA1G10 NO	OA3G01 NC
I	closed	open	closed
0	open	open	closed
II	closed	closed	open

Ordering information

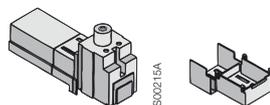
Accessories – terminal shrouds



OTS_L_



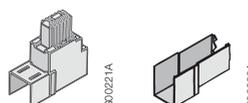
OTS_S_



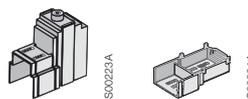
OZXB2K



OZXB3K



OZXB4K



OZXB5K

Terminal shrouds, grey plastic

Snap-on mounting on the switches, IP 20. A kit includes three or four shrouds which can be used on either side of the switch. Suitable for the upper part of the switch. Transparent shrouds for OT160...800E_Y available on request, please replace the letter “G” with “T”.

Suitable for switches	Number of poles	Description	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
OT160...250E_Y	3	Long type	OTS250G1L/3	1SCA022731R8150	3	0.09
OT160...250E_Y	3	Short type	OTS250G1S/3	1SCA022731R8310	3	0.06
OT160...250E_Y	4	Long type	OTS250G1L/4	1SCA022731R8230	4	0.12
OT160...250E_Y	4	Short type	OTS250G1S/4	1SCA022731R8400	4	0.08
OT315...400E_Y	3	Long type	OTS400G1L/3	1SCA022736R8840	3	0.15
OT315...400E_Y	3	Short type	OTS400G1S/3	1SCA022736R9060	3	0.09
OT315...400E_Y	4	Long type	OTS400G1L/4	1SCA022736R9490	4	0.20
OT315...400E_Y	4	Short type	OTS400G1S/4	1SCA022736R9650	4	0.12
OT630...800E_Y	3	Long type	OTS800G1L/3	1SCA022776R7890	3	0.32
OT630...800E_Y	3	Short type	OTS800G1S/3	1SCA022776R8190	3	0.17
OT630...800E_Y	4	Long type	OTS800G1L/4	1SCA022776R7970	4	0.42
OT630...800E_Y	4	Short type	OTS800G1S/4	1SCA022776R8270	4	0.26

Terminal shrouds for terminal clamps

Snap-on mounting to the terminal clamps, transparent plastic, IP 2X

Suitable for switches	Number of poles	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
OZXB2, 2L	3	OZXB2K	1SCA022264R0010	3	0.05
OZXB3, 4	3	OZXB3K	1SCA022264R0440	3	0.20
OZXB5, 6	3	OZXB4K	1SCA022199R2850	3	0.24
OZXB7, 7L	3	OZXB5K	1SCA022283R8040	3	0.13

Ordering information

Accessories — terminal clamps and bridging bars



S00177A

OZXB1L



S00179A

OZXB2, 7



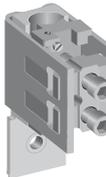
S00182A

OZXB2L, 7L



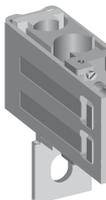
S01806A

OZXB8, 9



S00188A

OZXB3, 5



S00188A

OZXB4, 6



OTZC13...34

Terminal clamp sets for Al- and Cu-cables

Suitable for switches	Suitable shroud	Cable cross section [mm ²]	Type	Order number	Units/ type [pcs]	Delivery batch [pcs]	Weight/ unit [kg]
OT160...250E_Y	OTS250_L	10...70	OZXB1L	1SCA022169R2030	3	1	0.15
OT160...250E_Y	OTS250_L	10...70	OZXB1L/1	1SCA022194R0030	1	50	0.05
OT160...250E_Y	OZXB2K	25...120	OZXB2	1SCA022119R7610	3	1	0.34
OT160...250E_Y	OZXB2K	25...120	OZXB2/1	1SCA022194R0200	1	50	0.12
OT160...250E_Y	OZXB2K	25...120	OZXB2L	1SCA022158R7750	3	1	0.43
OT160...250E_Y	OZXB2K	25...120	OZXB2L/1	1SCA022194R0460	1	50	0.15
OT160...250E_Y	OTS250_L	95...185	OZXB8	1SCA022744R1510	3	1	0.50
OT160...250E_Y	OTS250_L	95...185	OZXB8/1	1SCA022744R1600	1	20	0.15
OT160...250E_Y	OTS250_L	95...240	OZXB9	1SCA022750R3210	3	1	0.50
OT160...250E_Y	OTS250_L	95...240	OZXB9/1	1SCA022750R3300	1	20	0.15
OT315...400E_Y	OZXB2K	25...120	OZXB2L	1SCA022158R7750	3	1	0.43
OT315...400E_Y	OZXB2K	25...120	OZXB2L/1	1SCA022194R0460	1	50	0.15
OT315...400E_Y	OZXB3K	95...185	OZXB3	1SCA022136R8100	3	1	1.28
OT315...400E_Y	OZXB3K	95...185	OZXB3/1	1SCA022194R0620	1	20	0.43
OT315...400E_Y	OZXB3K	2×(95...185)	OZXB4	1SCA022137R4760	3	1	1.71
OT315...400E_Y	OZXB3K	2×(95...185)	OZXB4/1	1SCA022194R0890	1	20	0.57
OT315...400E_Y	OZXB5K	120...240	OZXB7	1SCA022185R0040	3	1	1.00
OT315...400E_Y	OZXB5K	120...240	OZXB7/1	1SCA022194R1430	1	20	0.34
OT315...400E_Y	OZXB5K	120...240	OZXB7L	1SCA022185R7130	3	1	1.17
OT315...400E_Y	OZXB5K	120...240	OZXB7L/1	1SCA022194R1600	1	20	0.40
OT315...400E_Y	OTS400_L	95...185	OZXB8	1SCA022744R1510	3	1	0.50
OT315...400E_Y	OTS400_L	95...185	OZXB8/1	1SCA022744R1600	1	20	0.15
OT315...400E_Y	OTS400_L	95...240	OZXB9	1SCA022750R3210	3	1	0.50
OT315...400E_Y	OTS400_L	95...240	OZXB9/1	1SCA022750R3300	1	20	0.15
OT630...800E_Y	OZXB4K	120...300	OZXB5	1SCA022137R2470	3	1	2.28
OT630...800E_Y	OZXB4K	120...300	OZXB5/1	1SCA022194R1010	1	20	0.76
OT630...800E_Y	OZXB4K	2×(120...300)	OZXB6	1SCA022137R4920	3	1	3.12
OT630...800E_Y	OZXB4K	2×(120...300)	OZXB6/1	1SCA022194R1270	1	20	1.04

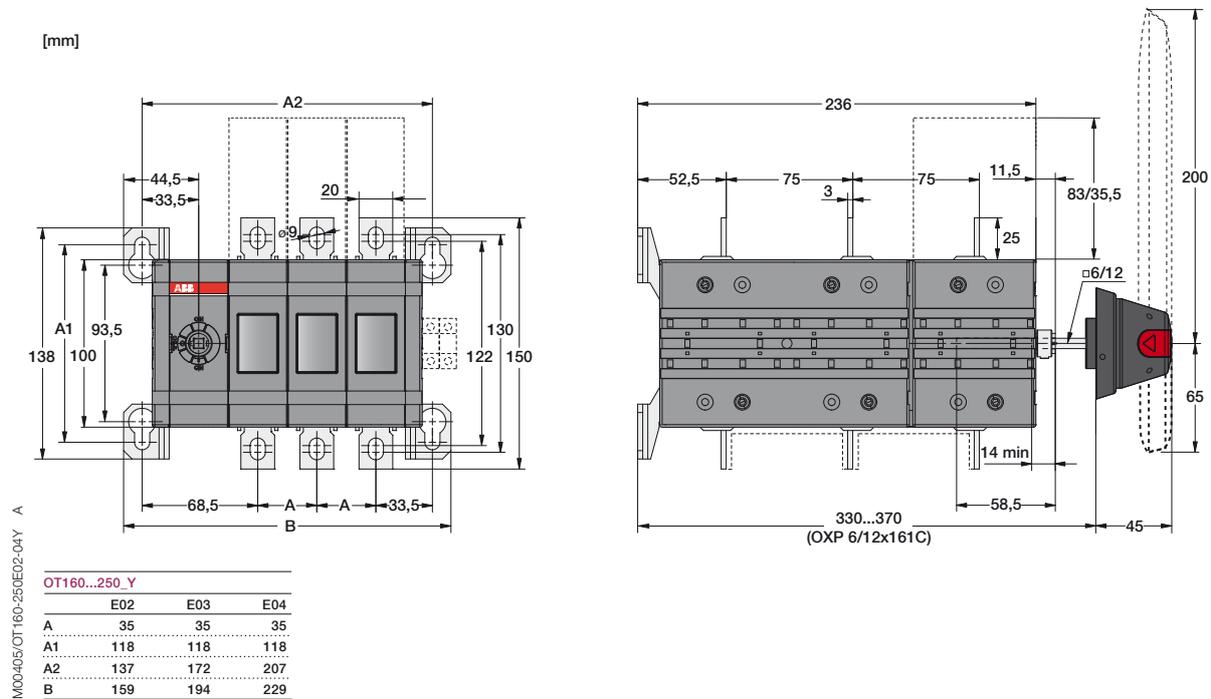
Bridging bars

Bridging bars provide a connection link either on the incoming or outgoing side of the switch.

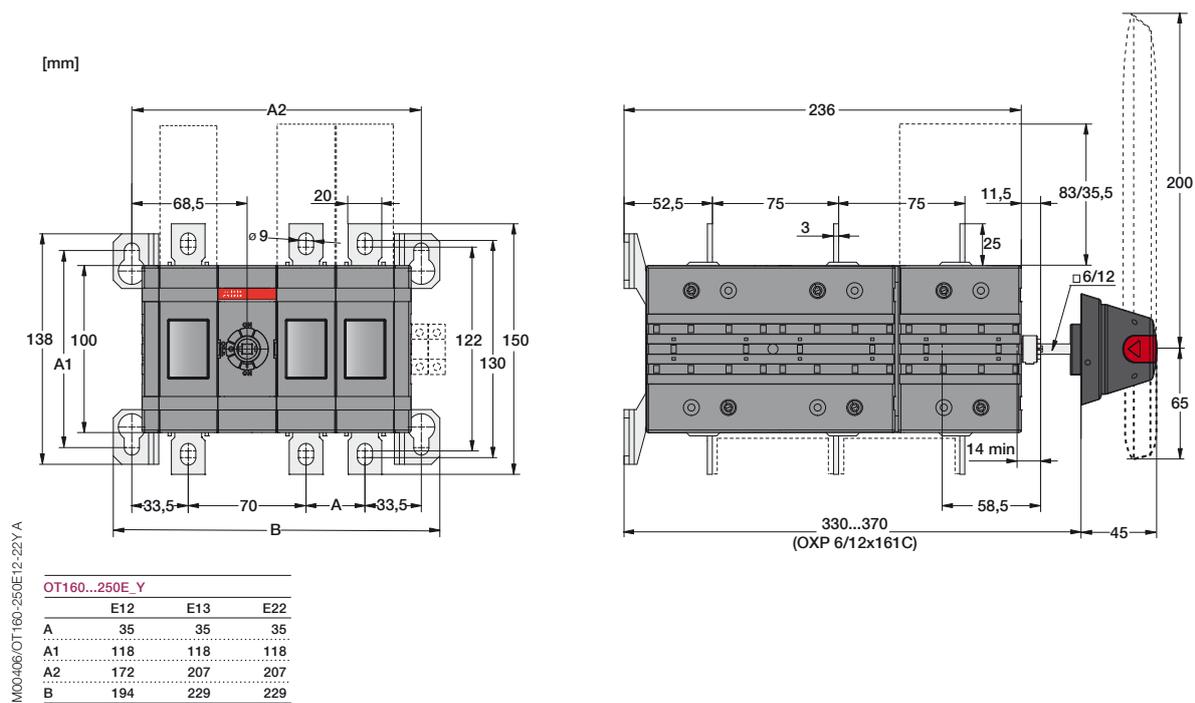
Suitable for switches	Number of poles	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
OT160...250E_Y	3	OTZC13	1SCA022767R6910	3	0.6
OT160...250E_Y	4	OTZC14	1SCA022767R7040	4	0.8
OT315...400E_Y	3	OTZC23	1SCA022767R7120	3	0.6
OT315...400E_Y	4	OTZC24	1SCA022767R7210	4	0.8
OT630...800E_Y	3	OTZC33	1SCA022785R7020	3	1.0
OT630...800E_Y	4	OTZC34	1SCA022785R7110	4	1.3

Dimension drawings OT160...250E_Y

OT160...250E02-04Y

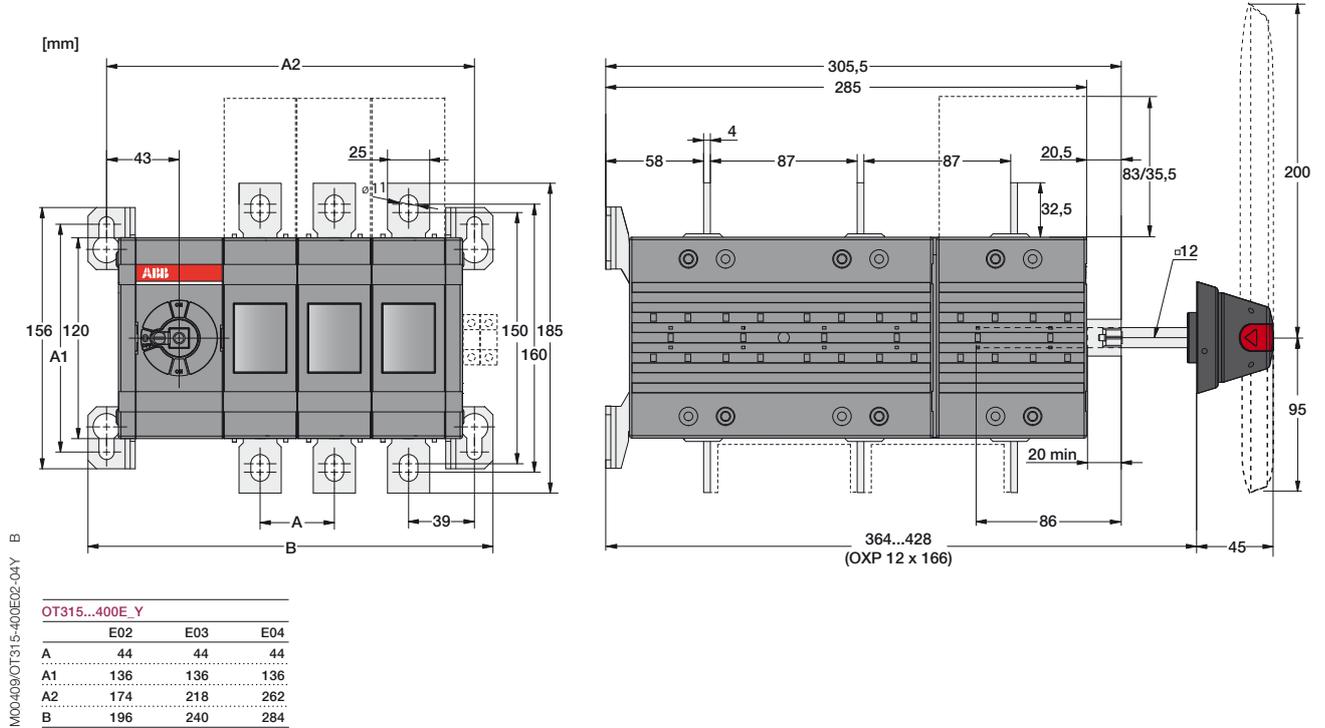


OT160...250E12-22Y

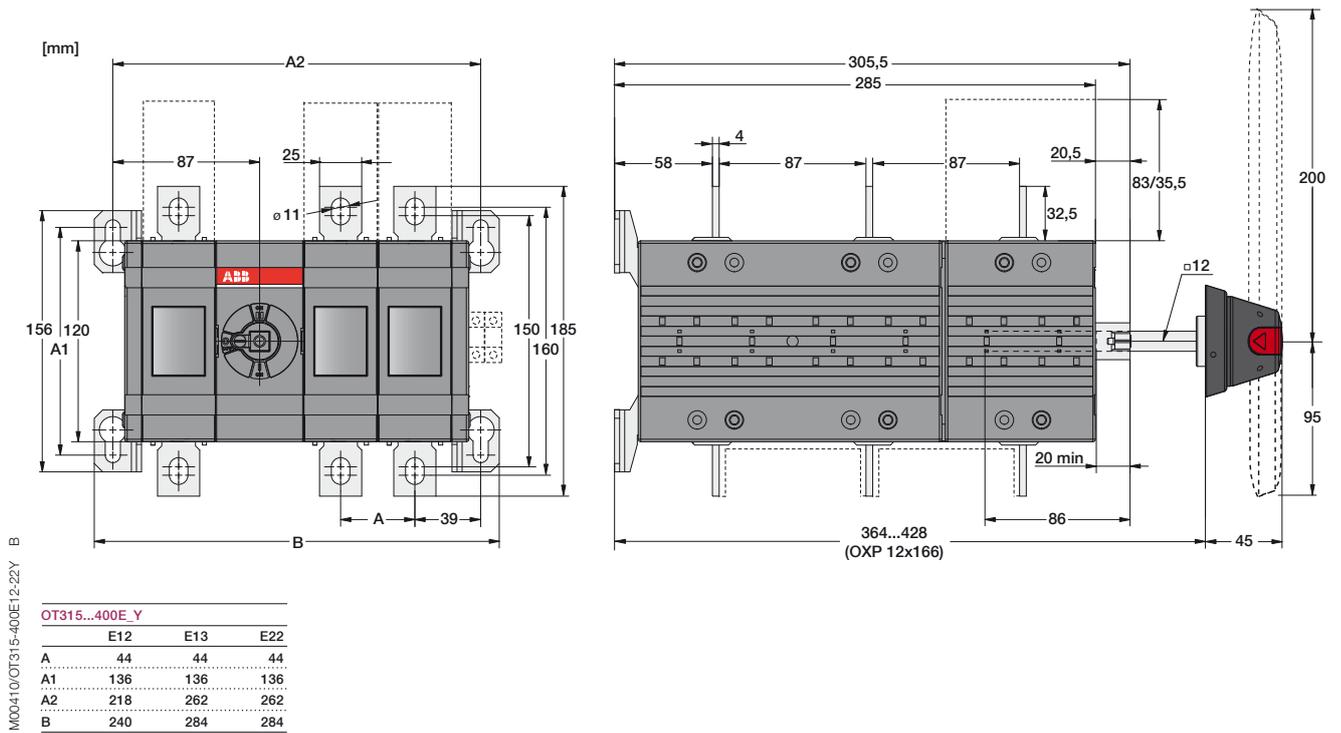


Dimension drawings OT315...400E_Y

OT315...400E02-04Y

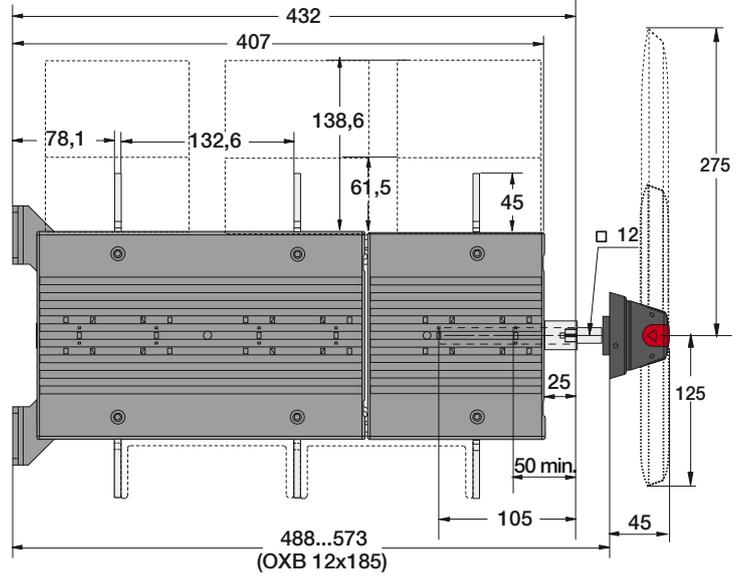
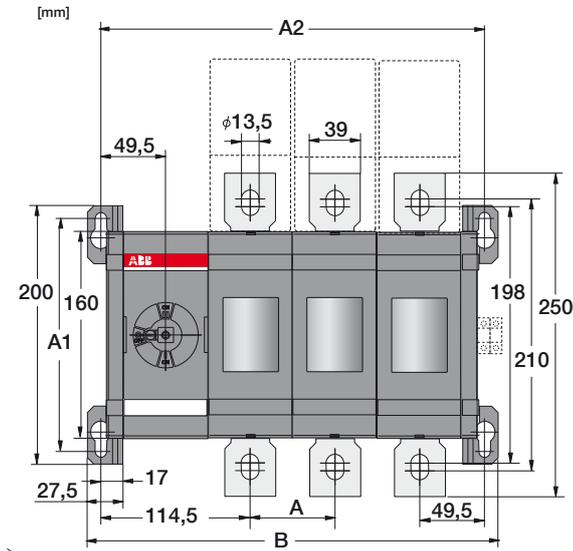


OT160...250E12-22Y



Dimension drawings OT630...800E_Y

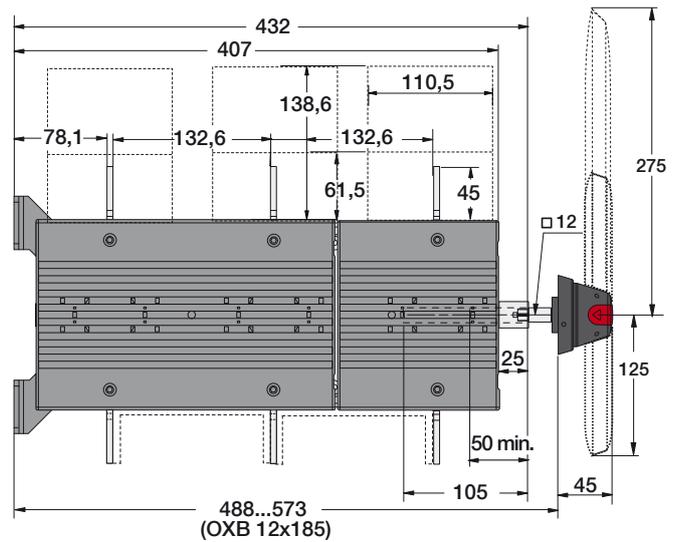
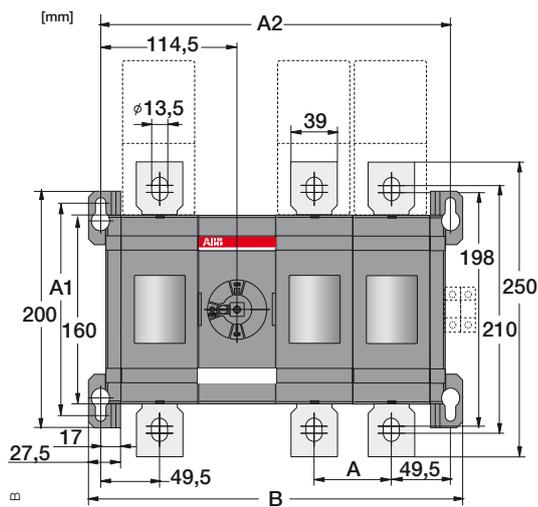
OT630...800E02-04Y



M00397/OT630-800E02-04Y

OT630...800E_Y			
	E02	E03	E04
A	65	65	65
A1	180	180	180
A2	229	294	359
B	250	315	380

OT630...800E12-22Y



M00398/OT630-800E12-22Y

OT630...800E_Y			
	E12	E13	E22
A	65	65	65
A1	180	180	180
A2	294	359	359
B	315	380	380

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> Low Voltage Products and Systems

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