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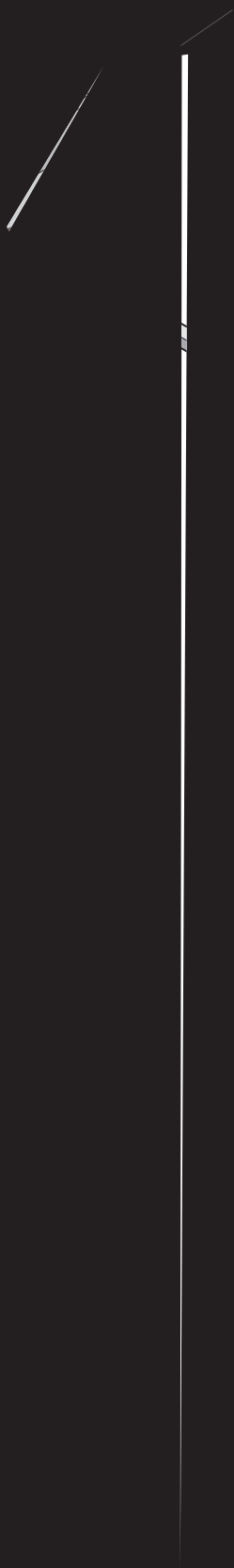
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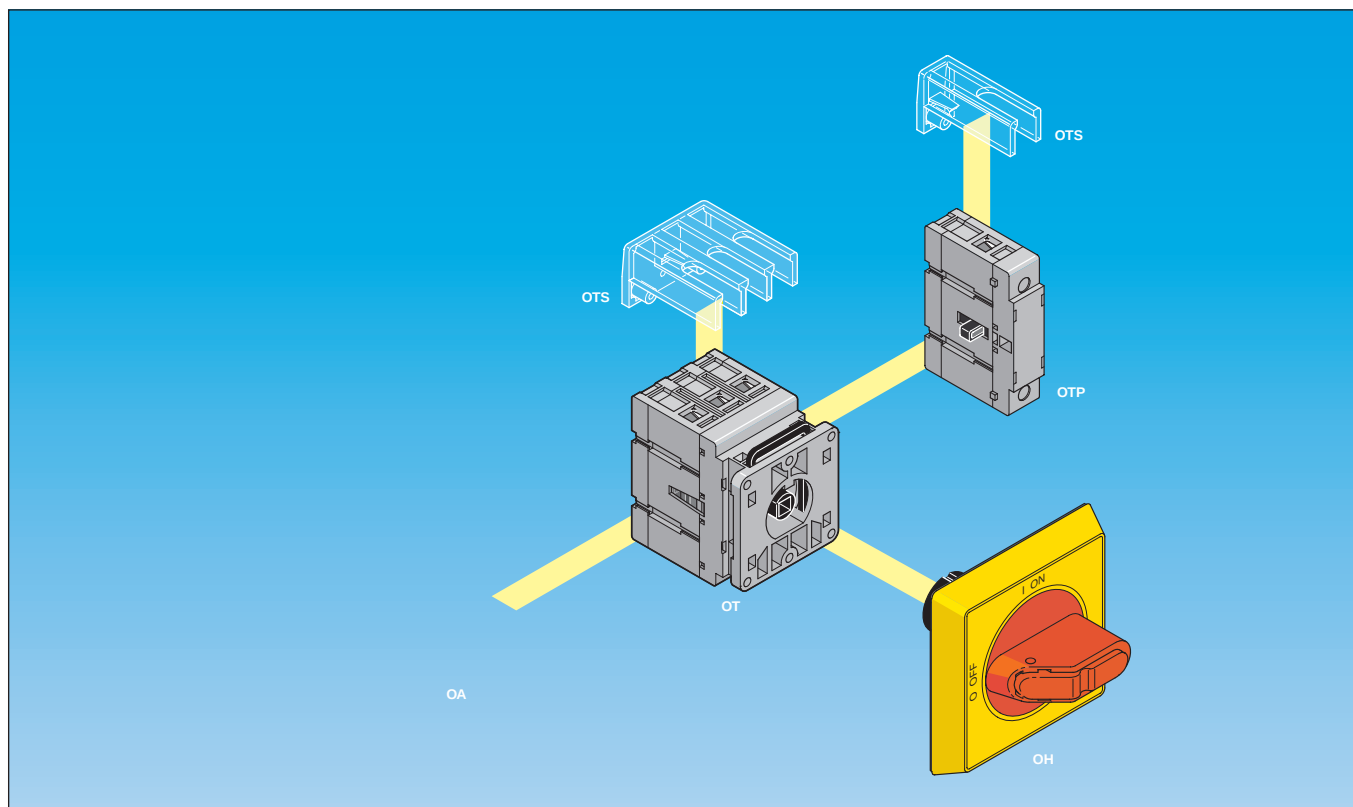
Contact functions 5/15





Selection table, OT 16...125

Door mounted switch-disconnectors



Size		16	25	40	63	80	100	125
Switch Line types		OT16ET_ OT25ET_ OT32ET_			OT45ET_ OT63ET_		OT100ET_ OT125ET_	
4 th pole		OTP_32_ (right or left)			OTP_63_ (right or left)		OTP_125_ (right or left)	
Handles IP 54 Black,yellow-red, silver and grey		OH_1P_ OH_3P_						
Handles IP 65					OH_2R_			
Auxiliary contacts		OA1G_ Side mounting : 1NC, 1NO						
Terminal shrouds		OTS 32_			OTS 63_		OTS 125_	

ring Information 6...125

and DIN-rail mounting switch-disconnectors

, OT 45E and OT 63E switch-disconnectors with improved ratings

ng protected terminal clamps, IP 20. Handle and shaft have to be ordered separately.

I _{th} (open)	Cable cross section	Operational currents AC22/AC23 415V [A/A]	Type	Order number	Recomm. order quantity [pcs]	Weight/ one pc [kg]
[A]	[mm²]					
25	0.75...10	16 / 16	OT 16E3	1SCA022283R8470	10	0.11
32	0.75...10	25 / 20	OT 25E3	1SCA022283R8630	10	0.11
40	0.75...10	40 / 23	OT 32E3	1SCA022283R9010	10	0.11
63	1.5...35	63 / 45	OT 45E3	1SCA022352R6950	10	0.27
80	1.5...35	80 / 75	OT 63E3	1SCA022352R7090	10	0.27
125	10...70	125 / 90	OT 125E3	1SCA022353R7480	10	0.36

mounting switch-disconnectors

ng protected terminal clamps, IP 20. The handle has to be ordered separately.

25	0.75...10	16 / 16	OT 16ET3	1SCA022352R6610	10	0.13
32	0.75...10	25 / 20	OT 25ET3	1SCA022352R6790	10	0.13
40	0.75...10	40 / 23	OT 32ET3	1SCA022352R6870	10	0.13
63	1.5...35	63 / 45	OT 45ET3	1SCA022353R7050	10	0.28
80	1.5...35	80 / 75	OT 63ET3	1SCA022353R7130	10	0.28
125	10...70	125 / 90	OT 125ET3	1SCA022353R7560	10	0.40

th Pole

* 16...32: dovetail mounting.

* 45E, 63E, 80E, 100E, 125E: snap-on mounting.

le for es	Type	Order number	Recomm. order qty [pcs]	Weight one pc [kg]
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taneous function with the main contacts

...32E3	OTPS 32EP	1SCA022348R2480	10	0.03
...63E3	OTPS 63EP	1SCA022353R5350	10	0.06
0...125E3	OTPS 125EP	1SCA022379R8010	10	0.14
...32ET3	OTPS 32ED	1SCA022353R5270	10	0.03
...63ET3	OTPS 63ED	1SCA022347R4110	10	0.06
0...125ET3	OTPS 125ED	1SCA022379R7980	10	0.14

tral terminals

T 16...32: dovetail mounting.

hable neutral

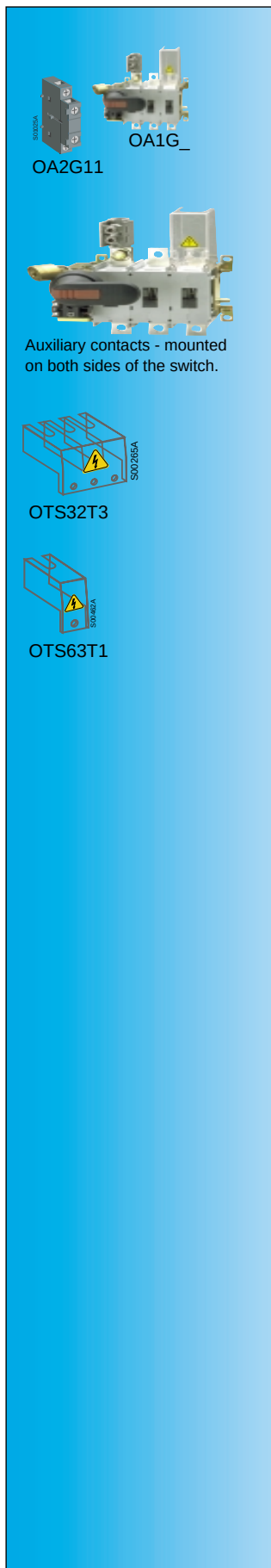
...32E3	OTPD 32EP	1SCA022353R6080	10	0.03
...63E3	OTPD 63EP	1SCA022353R6240	10	0.06
0...125E3	OTPD 125EP	1SCA022379R9170	10	0.14
...32ET3	OTPD 32ED	1SCA022353R6160	10	0.03
...63ET3	OTPD 63ED	1SCA022371R5840	10	0.06
0...125ET3	OTPD 125ED	1SCA022379R9500	10	0.14



SwitchLine

Ordering Information

OT 16...125, Accessories

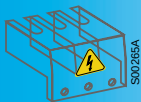


OA2G11

OA1G_



Auxiliary contacts - mounted on both sides of the switch.



OTS32T3



OTS63T1

Auxiliary contacts

Snap-on mounting to the switch, IP 20. $I_{th} = 16A$, cable cross section max. $2 \times 2.5 \text{ mm}^2$.

Performance data U_e / I_e (AC15): 230V/6A, 400V/4A, 415V/4A, 690V/2A. Early-break types (OA1G10)

Description	Suitable for switches	Type	Order number	Recomm. order qty [pcs]	Weight one pc [kg]
1NC $\begin{array}{l} \diagup 21(31) \\ \diagdown 22(32) \end{array}$	OT _	OA1G01 ¹⁾³⁾	1SCA022353R4890	10	0.03
1NO $\begin{array}{l} 13(43) \\ 14(44) \end{array}$	OT _	OA1G10 ²⁾³⁾	1SCA022353R4970	10	0.03
1NO $\begin{array}{l} 13 \diagup 21 \\ 14 \diagdown 22 \end{array}$ +1NC	OT_E	OA2G11 ³⁾	1SCA022379R8100	10	0.03

Terminal shrouds

Snap-on mounting to the switch, transparent.

Suitable for switches	Type	Order number	Recomm. order qty [kg]	Weight one pc [pcs]
For 3-pole switches				
OT 16...32E3, -ET3	OTS 32T3	1SCA022353R6670	10	0.01
OT45...63E3, -ET3	OTS 63T3	1SCA022353R6750	10	0.01
OT 100...125E3, ET3	OTS 125T3	1SCA022379R9680	10	0.01
For fourth and additional pole				
OTP_32E_	OTS 32T1	1SCA022353R6830	10	0.01
OTP_63E_	OTS 63T1	1SCA022353R6910	10	0.01
OTP_125E_	OTS 125T1	1SCA022379R9760	10	0.01

¹⁾ Mountable on the left side of the switch, max. 2 pcs

²⁾ Mountable on the right side of the switch, max. 2 pcs

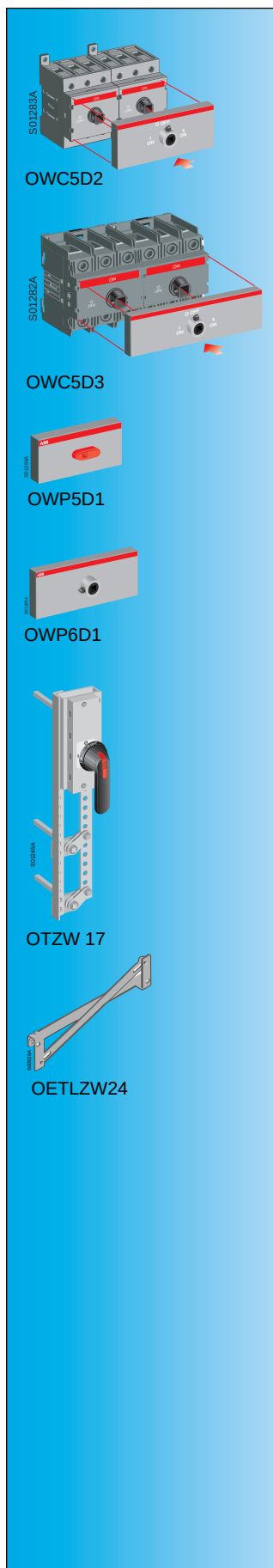
³⁾ For base-mounted switches only. Max. 4NO + 4NC.

(83) (43) (53) 13 $\begin{array}{l} | \\ | \end{array}$ 21 (61) (31) (71)
(84) (44) (54) 14 $\begin{array}{l} \diagup \\ \diagdown \end{array}$ 22 (62) (32) (72)

SwitchLine

Ordering Information

OT 16...125, Accessories



Attachment kits

Change-over switches, as well as 6- and 8-pole switches can be built up by adding a compact snap-on kit on the top of two base and DIN-rail mounted switch-disconnectors. The kits do not require any additional foot print area, and the total width is twice the single unit width. The module needs only 12 mm extra space above the switch.

The fourth pole or auxiliary contacts can be mounted on the outer side of the combination.

Change-over switch kits

For switches	For shafts	Type	Order number
OT16...32E ²⁾	OXS5_, OXP5_	OWC5D1	1SCA022551R9220
OT45...80E	OXS5_, OXP5_	OWC5D2	1SCA022574R8760
OT100...125E	OXS5_, OXP5_	OWC5D3	1SCA022574R8840

Parallel attachment kits

OT16...32E ¹⁾	OXS5_, OXP5_	OWP5D1	1SCA022551R1160
OT45...80E	OXP6_	OWP6D1	1SCA022551R1830
OT100...125E	OXP6_	OWP6D2	1SCA022551R1910

Conversion kits for the combination switches

The attachment levers are provided with holes, enabling different shaft distances. The combination switches can be mounted either horizontally or vertically.

Suitable for switches	Shaft distance [mm]	Type	Order number	Package [pcs]
By-pass switch				
A combination of two handles in parallel with one change-over switch to pass-by- for ex. - a breaker for maintenance. In the kit a handle OHB80J6E011 with I-O-II -indication and shafts are included.				
OT 16...125E	betw. A and B 90 + (0...6) x 15 betw. A and C 90 + (0...10) x 15	OTZW 17	1SCA022387R1620	1

Mechanical interlock ¹⁾

Prevents one switch from closing to ON-position, if the other is not in OFF-position. When mounted upside down, prevents one switch from opening to OFF-position, if the other is not in ON-position.

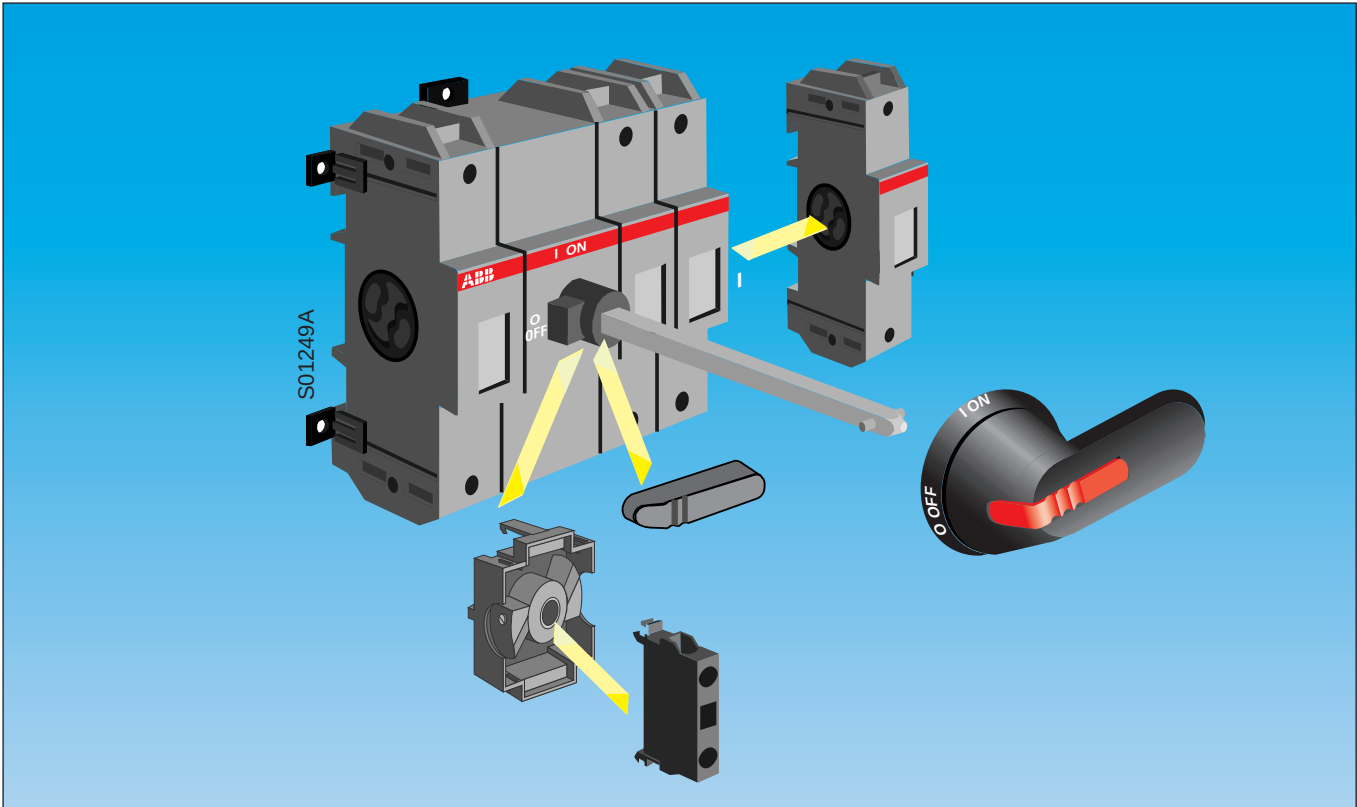
Shaft distance [mm]	Type	Order number	Package [pcs]
100	OETLZW24	1SCA022193R8560	1

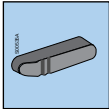
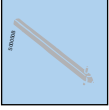
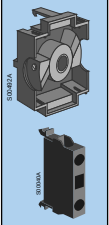
¹⁾ In type OWP5D1 there are stickers for different switch sizes which should be glued on the kit face.

²⁾ Available summer 2000.

SwitchLine

Selection table, switch-disconnectors
OT 160

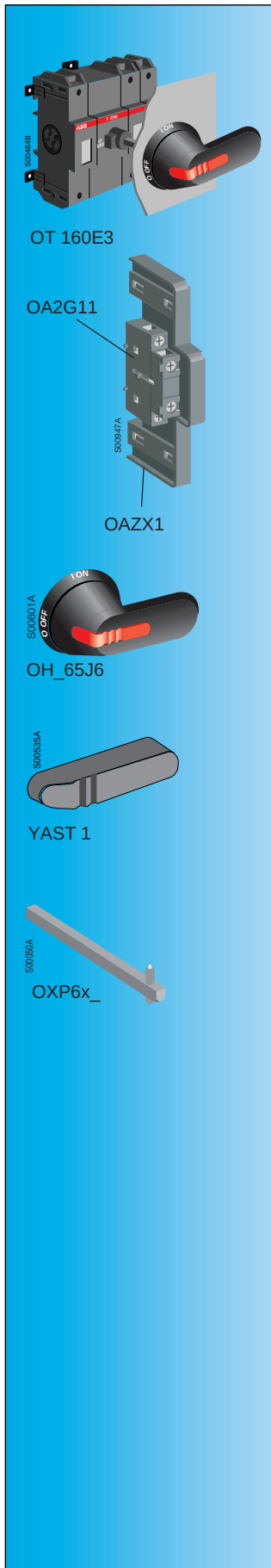


Size	160	
SwitchLine types	OT 160 E_	
- Front operated		
- Door mounted	OT160 ET_	
4 th pole		OTP_160 EP
Handles		OH_65J6 Black
		OH_80J6 Red/Yellow
		Grey
		YAST 1 Black
Shafts		EXP6X_ Shaft lengths from 130 mm up to 430 mm
Auxiliary contacts		OBEA_ + OEXNP 1 1 NO, 1 NC OA2G11 + OAZX1 (1 no + 1 nc)

SwitchLine

Ordering Information

OT 160



Front operated switch-disconnectors

Including the handle OHB65J6, IP 65, and shaft OXP6x210, length 210 mm.

Number of poles	I _{th} (open) [A]	Rated operat. currents AC22A/AC23A =400V [A/A]	Type	Order number	Weight [kg]	Pack-age [pcs]
3	200	160 ¹⁾ /135	OT 160E3	1SCA022257R5950	1.0	1
4	200		OT 160E4	1SCA022259R8060	1.3	1

Auxiliary contact blocks and accessories

Adapter for auxiliary contact blocks OA2G11

Aux.contact blocks, OA2G11 have to be ordered separately, see auxiliary contacts for OT16...125 switches. Mountable on the side of the switch.

Suitable for switches	Type	Order number	Pack-age [pcs]
OT 160E	OAZX1	1SCA022467R5140	1

Optional plastic handles

OH_ handles: IP 65, padlockable with three padlocks in OFF-position, door interlock in ON-position (defeatable¹⁾ to allow authorized personnel access for inspection). The shaft has to be ordered separately. Screw fixing from back side of handle. No screws on front ensures double insulation.

Colour	Handle length [mm]	Shaft diamet. [mm]	Suitable for switch sizes	Type	Order number	Recomm. order qty	Pack-age [pcs]
Black	65	6		OHB 65J6	1SCA022380R9660	100	1
Yel.-red	65	6	OT 125A	OHY 65J6	1SCA022380R9820		1

Handles, mounting directly to the switch, no shaft needed.

Black	72	-	OT 125A_160E_	YAST	1SCA02230R5350	100	1
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Also other handles for shaft diameter 6 mm can be used with 160_ OH_ handles padlockable in all positions available on request.

Extended shafts

Shaft diameter 6 mm. Suitable for handles OH__J6_.

Shaft length [mm]	H	Type	Order number	Pack-age [pcs]
130	105 ... 135	OXP6x130	1SCA022057R0570	1
430	405 ... 435	OXP6x430	1SCA022056R6030	1

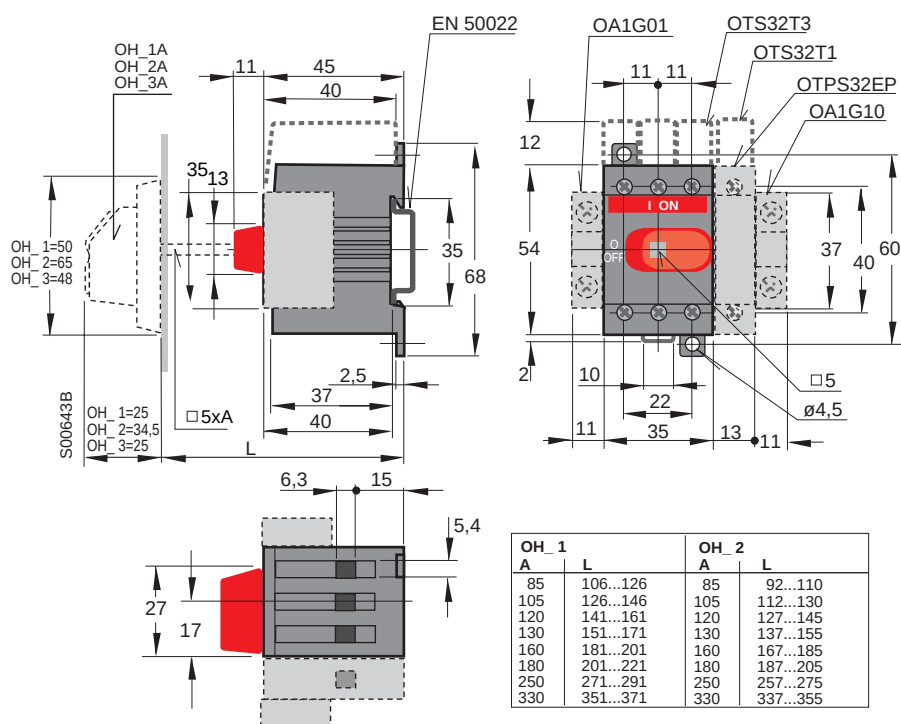
¹⁾ 380...415 V, AC 21-22B: 200 A for OT 160 when provided with bushbar connections OEZXX 6 or 13.

SwitchLine

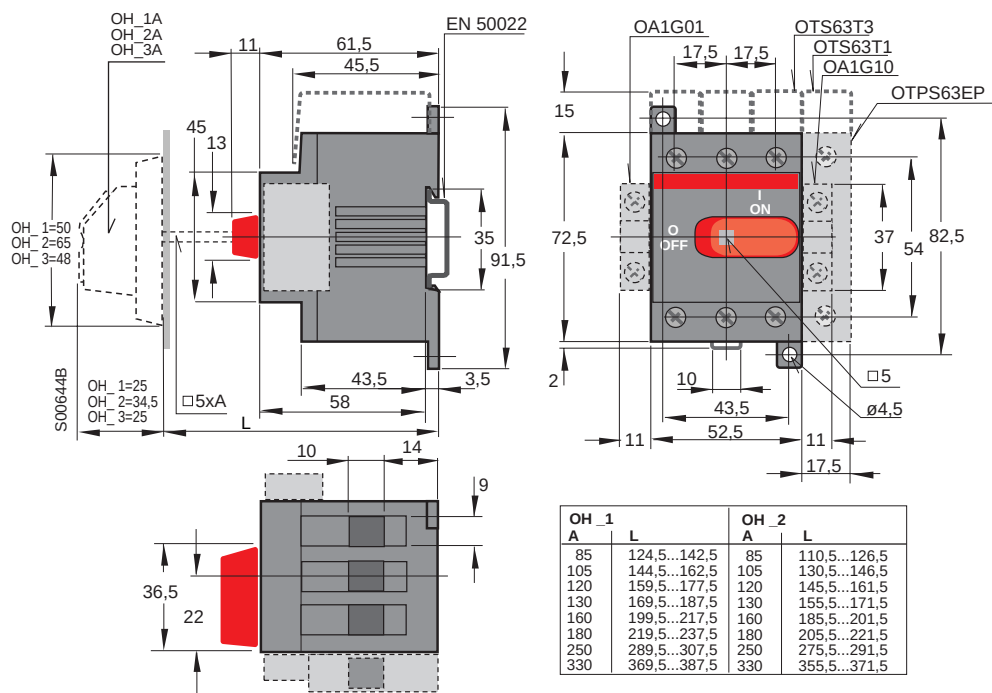
Dimension Drawings

OT 16...125

OT 16...32E3, -E4

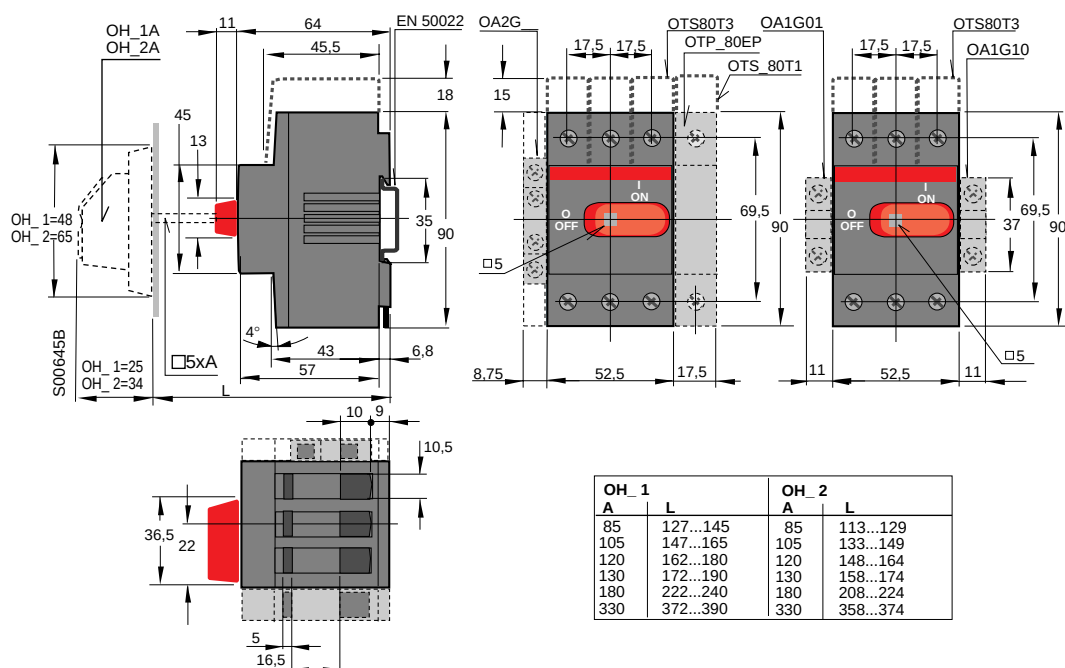


OT 45...63E3, -E4

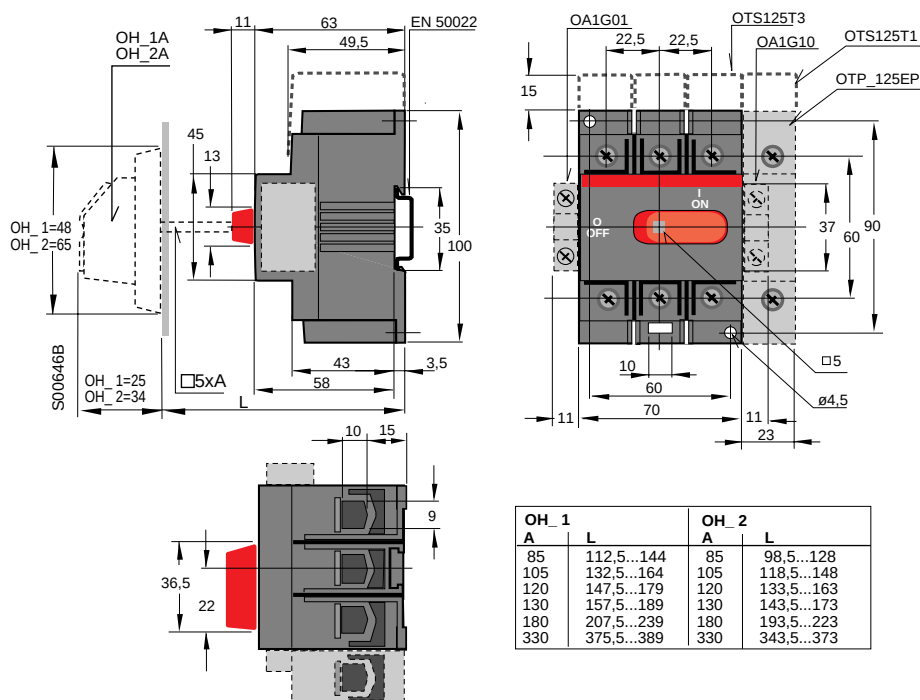


Dimension Drawings OT 16...125

OT 80E3, -E4



OT 100...125E3, -E4



OT 16...32ET3, -ET4

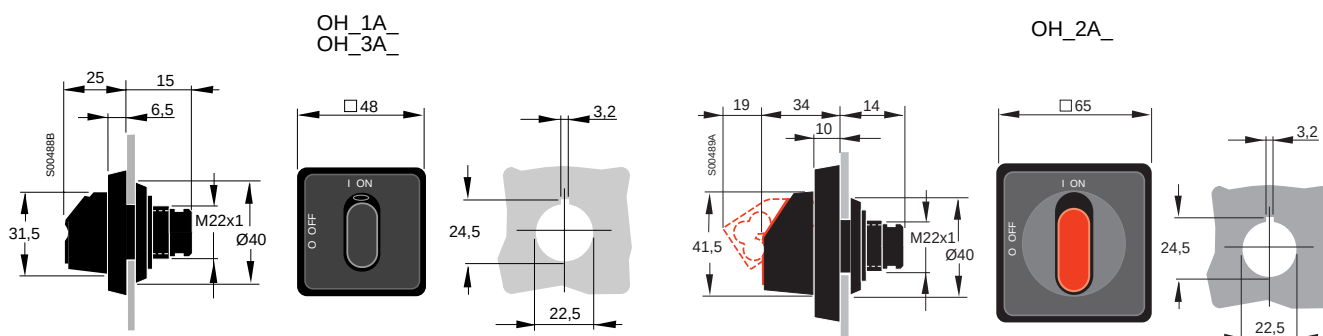


SwitchLine

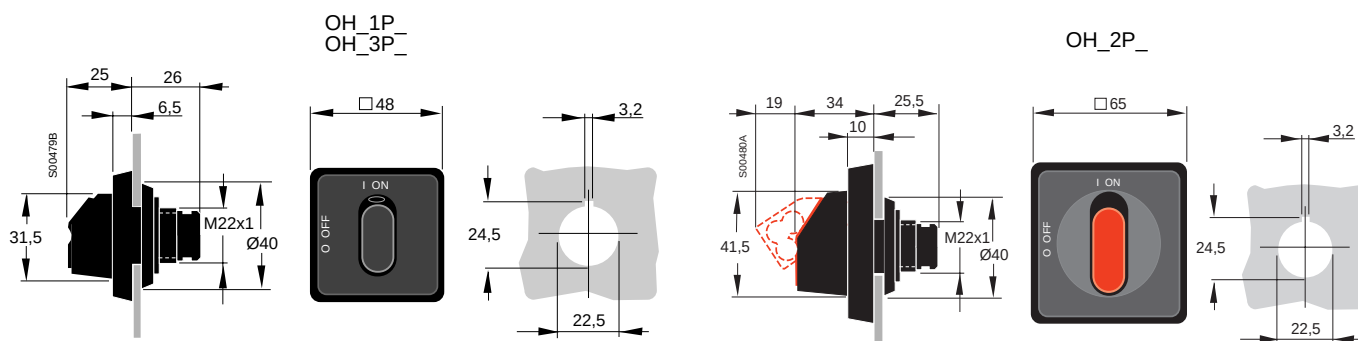
Dimension Drawings

Handles, Accessories

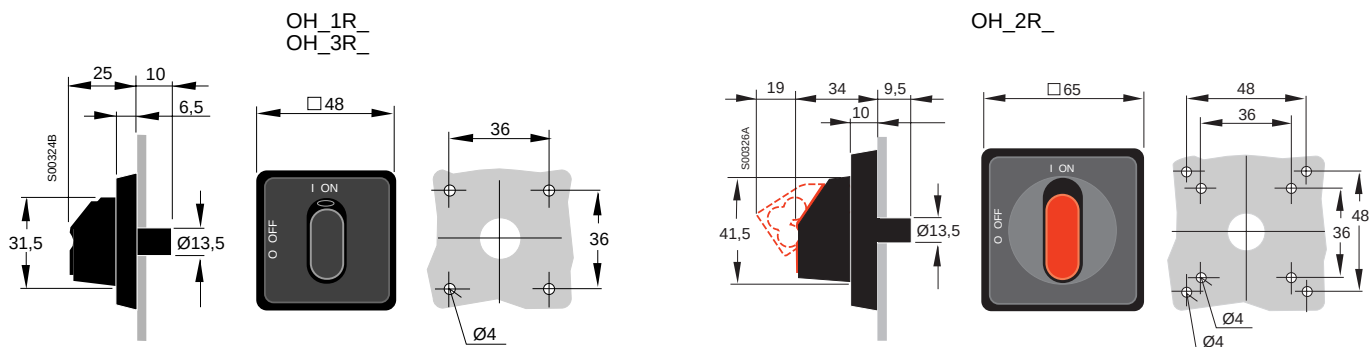
Handles for base and DIN-rail mounting switches (shaft mounting)



Handles for door mounting switches (snap-on mounting)



Handles for door mounting switches (screw-mounting)

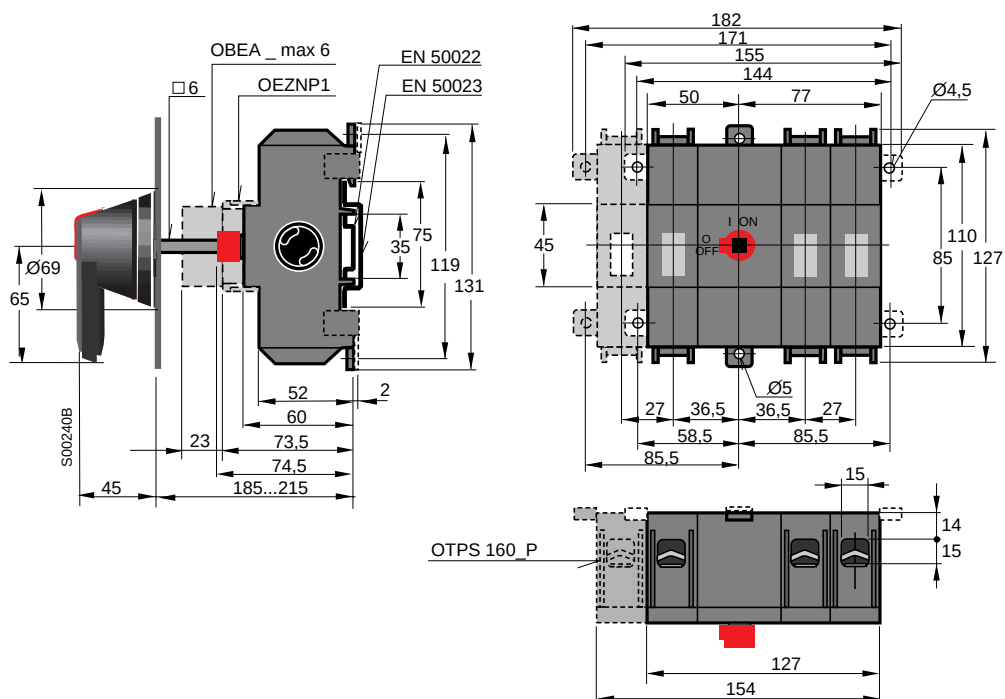


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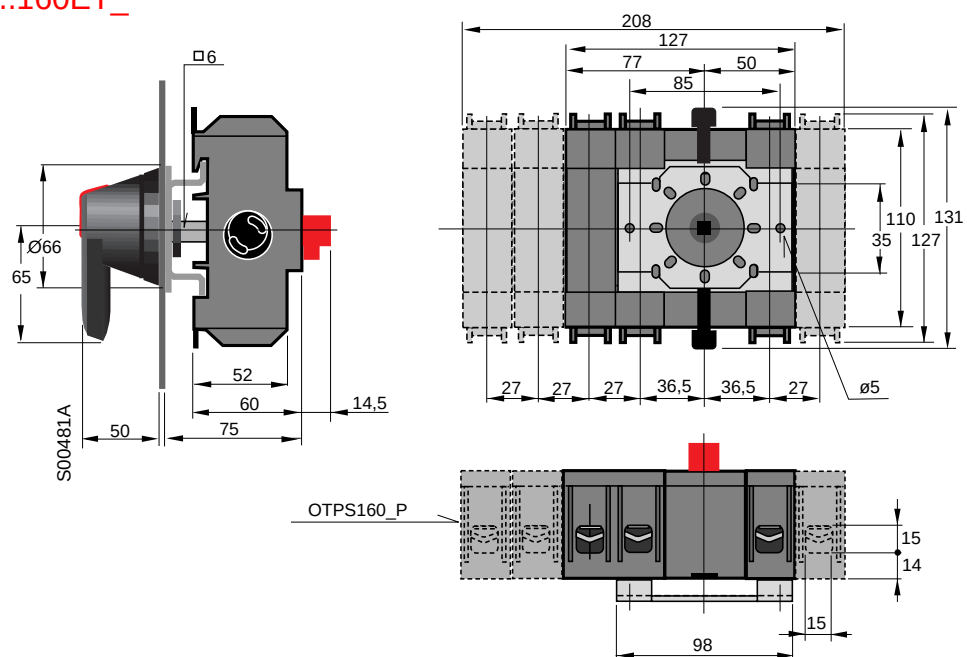
Dimension Drawings

OT 125A...160

OT 125A...160E3, -4



OT 125AT_...160ET_

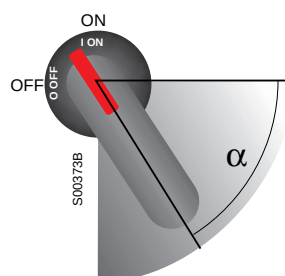
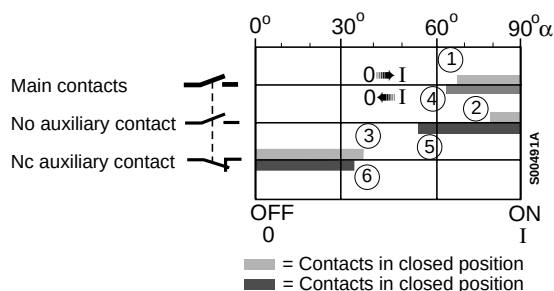


SwitchLine

Contact Functions

ON and OFF-Functions of Auxiliary and Main Contacts

ON and OFF-Functions of Auxiliary and Main Contacts



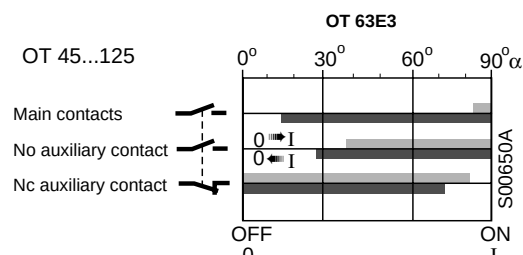
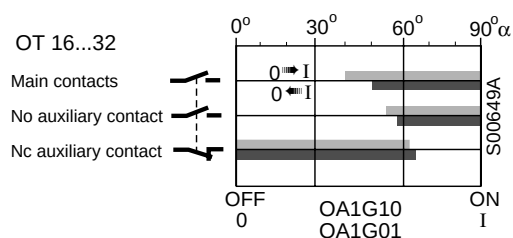
CLOSING

1. Main contacts close
2. No auxiliary contacts close
3. Nc auxiliary contacts open

OPENING

4. Main contacts open
5. No auxiliary contacts open
6. Nc auxiliary contacts close

Load Break Switch	Auxiliary contact	Contact configuration
OT 16...125E_	OA1G10	1no
	OA1G01	1nc



Load Break Switch	Auxiliary contact	Contact configuration
OT 125A_ OT 160E_	OBEA 10+ OEZNP 1	1no
	OBEA 01+ OEZNP 1	1nc

