Automatic Circuit Breakers

3.17 SACE Emax2 - Accessories







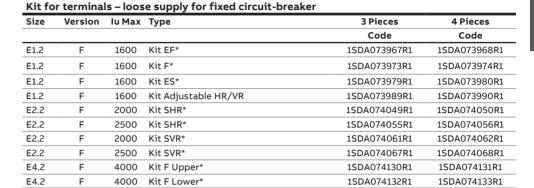
Horizontal rear spread



Extended front termina



Vertical rear spread





Extended front termin – FF



Horizontal rear terminal



Front spread terminal – ES



E2.2

E2.2

E2.2

E2.2

E4.2

E4.2

W

W

W

W

W

W

2000

2500

2500

2500

3200

4000

Kit SVR

Kit SVR

Kit F Upper

Kit F Lower

Kit Adjustable HR/VR

Kit Adjustable HR/VR

Vertical rear spread

Kit fo	or termina	ls – loos	se supply for fixed part of wi	thdrawable circuit-breake	r
Size	Version	lu Max	Туре	3 Poles	4 Poles
				Code	Code
E1.2	W	1600	Kit EF	1SDA073943R1	1SDA073944R1
E1.2	W	1600	Kit Adjustable HR/VR	1SDA073949R1	1SDA073950R1
E1.2	W	1600	Kit ES	1SDA073955R1	1SDA073956R1
E1.2	W	1600	Kit SHR	1SDA073961R1	1SDA073962R1
E2.2	W	2000	Kit SHR	1SDA074049R1	1SDA074050R1
E2.2	W	2500	Kit SHR	1SDA074055R1	1SDA074056R1

1SDA074061R1

1SDA074067R1

1SDA074090R1

1SDA074092R1

1SDA074019R1

1SDA074025R1

1SDA074062R1

1SDA074068R1

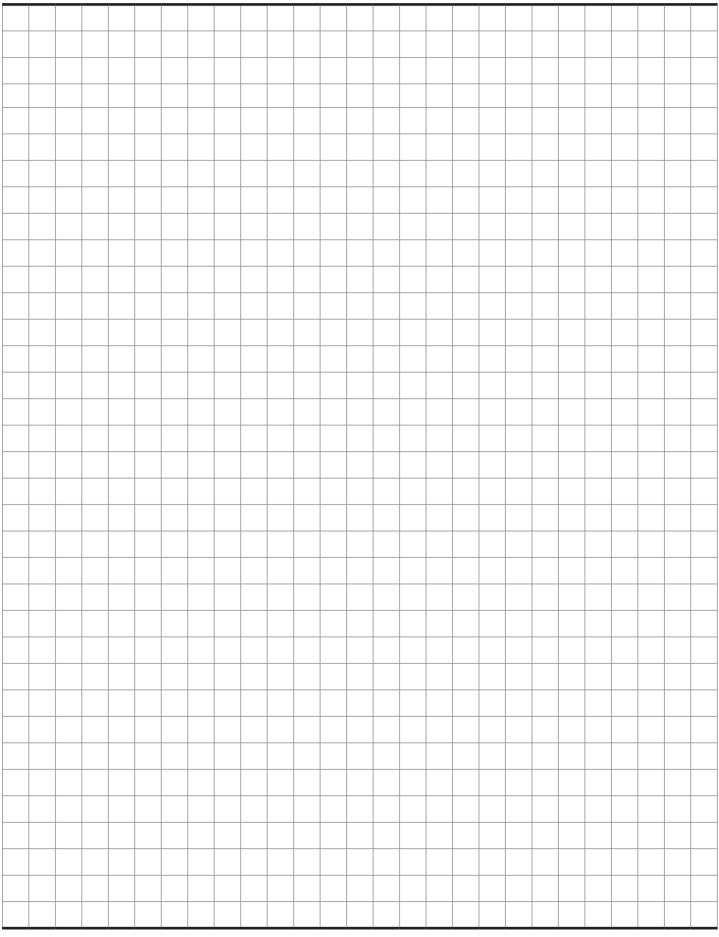
1SDA074091R1

1SDA074093R1

1SDA074020R1

1SDA074026R1

Notes



4

SECTION 4

Switches

Switch-disconnectors

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4.1 Front operated switch-disconnectors, IEC

Switch-disconnectors, base and DIN-rail mounting, IEC Including protected terminal clamps IP20, except OT125FL_ types.



OT100...125F3

No. of poles	I _{th} (open) [A]	Cable cross section [mm²]	Rated operat. currents AC22A/ AC23A 400V [A/A]	Туре	Order number
		:	Shaft and handle need to be ord	ered separately	
3	25	0.7510	16/16	OT16F3	1SCA104811R1001
3	32	0.7510	25/20	OT25F3	1SCA104857R1001
3	40	0.7510	40/23	OT40F3	1SCA104902R1001
3	63	1.535	63/45	OT63F3	1SCA105332R1001
3	80	1.535	80/75	OT80F3	1SCA105798R1001
3	115	1070	100/80	OT100F3	1SCA105004R1001
3	125	1070	125/90	OT125F3	1SCA105033R1001
3	160	70	160/160	OT160G03P	1SCA135139R1001
3	160	70	160/160	OT160G03K	1SCA138208R1001

Switch-disconnectors, door mounting, IEC Include protected terminal clamps, IP20.



OT100...125FT3

No. of poles	I _{th} (open) [A]	Cable cross section [mm²]	Rated operat. currents AC22A/ AC23A 400V [A/A]	Туре	Order number
		:	Shaft and handle need to be ord	ered separately	
3	25	0.7510	16/16	OT16FT3	1SCA104838R1001
3	32	0.7510	25/20	OT25FT3	1SCA104884R1001
3	40	0.7510	40/23	OT40FT3	1SCA104940R1001
3	63	1.535	63/45	OT63FT3	1SCA105382R1001
3	80	1.535	80/75	OT80FT3	1SCA105431R1001
3	115	1070	100/80	OT100FT3	1SCA105023R1001
3	125	1070	125/90	OT125FT3	1SCA105060R1001

Switch-disconnectors, with pistol handle, base mounting, IEC

Including a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFF-position and with door interlock in the ON-position. The shaft can be adjusted to different installation depths.



OT315...400E03P



OT630...800E03P

No. of poles	I _{th} (open) [A]	Rated operat. currents AC22A/ AC23A 400V [A/A]	Туре	Order number
3	200	200/160	OT160EV03P	1SCA120514R1001
3	200	200/200	OT200E03P	1SCA022712R0800
3	250	250/250	OT250E03P	1SCA022710R0100
3	315	315/315	OT315E03P	1SCA022718R8510
3	400	400/400	OT400E03P	1SCA022718R8780
3	630	630/630	OT630E03P	1SCA022718R8940
3	800	800/800	OT800E03P	1SCA022718R9410

4

Switch-disconnectors

4.1 Front operated switch-disconnectors, IEC



OT1000...1250E03P

Shafts and handles included as standard

Suitable for switches	Shaft	Handle	Terminal bolts
OT160EV250_P	OXP6X210	OHB65J6	M8x25
OT315400_P	OXP12X185	OHB95J12	M10x30
OT630800_P	OXP12X185	OHB125J12	M12x40

<u></u>	000	000	000
6	17000	MM	
	***	100	333

OT2000...2500E03P

No. of poles	I _{th} (open) [A]	Rated operat. currents AC22A/ AC23A 400V [A/A]	Туре	Order number
3	1000	1000/1000	OT1000E03P	1SCA022860R5930
3	1250	1250/1250	OT1250E03P	1SCA022860R6230
3	1600	1600/1250	OT1600E03P	1SCA022860R6580
3	2000	2000/-	OT2000E03P	1SCA108036R1001
3	2500	2500/-	OT2500E03P	1SCA104972R1001
3	3200	3200/3200	OT3200E03P	1SCA128481R1001
3	3800	3800/3800	OT4000E03P	1SCA124848R1001



OT3200...4000E03P

Shafts and handles included as standard

Suitable for switches	Shaft	Handle	Terminal bolts
OT10001250_P	OXP12X280	OHB274J12	M12x50
OT1600_P	OXP12X280	OHB274J12	M12x50
OT20002500_P	OXP12X280	OHB274J12	M12x50
OT32004000P	OXP12X280	OHB274J12	M12x60

Switch-disconnectors with direct mount handle, base mounting, IEC Including a black Test-OFF-ON plastic handle and shaft as standard. The handle is padlockable in the OFF-position.



OT315...400E03K



OT630...800E03K

No. of poles	I _{th} (open) [A]	Rated operat. currents AC22A/ AC23A 400V [A/A]	Туре	Order number
3	200	200/160	OT160EV03K	1SCA120513R1001
3	200	200/200	OT200E03K	1SCA022763R4820
3	250	250/250	OT250E03K	1SCA022763R5040
3	315	315/315	OT315E03K	1SCA022763R5630
3	400	400/400	OT400E03K	1SCA022763R5390
3	630	630/630	OT630E03K	1SCA022779R4940
3	800	800/800	OT800E03K	1SCA022779R5160
3	1000	1000/1000	OT1000E03K	1SCA108353R1001
3	1250	1250/1250	OT1250E03K	1SCA108356R1001
3	1600	1600/1250	OT1600E03K	1SCA108352R1001
3	2000	2000/-	OT2000E03K	1SCA108359R1001
3	2500	2500/-	OT2500E03K	1SCA108361R1001

Shafts and handles included as standard

Suitable for switches	Handle	Terminal bolts
OT160EV250_K	OTV250EK	M8x25
OT315400_K	OTV400EK	M10x30
OT630800_K	OTV800EK	M12x40
OT10001250_K	OTV1000EK	M12x50
OT1600_K	OTV1000EK	M12X60
OT20002500_K	OTV1000EK	M12x60

4.2 Accessories – Handles

Handle knobs, for base and DIN-rail mounted switches Mounting directly to the switch, no shaft needed.



OHRS2





Colour	Handle length [mm]	Suitable for switches	Type	Order number
	Pad	llockable in 0-position with	one padlock w	ith bail diameter 5 mm
Black	40	OT63125F	OHBS2	1SCA109089R1001
Red	40	OT63125F	OHRS2	1SCA108598R1001
		Non-	-padlockable	
Black	39	OT16125F	OHBS3	1SCA108320R1001
Red	39	OT16125F	OHRS3	1SCA108667R1001
Black	72	OT63125F	OHBS9	1SCA108665R1001
Red	72	OT63125F	OHRS9	1SCA108666R1001

Selector type handles, for base and DIN-rail mounted switches For shaft diameter 6 mm, door drilling 22.5 mm. Indication I-O and ON-OFF.



OHBS2AJ





OHBS2AJ_EH

Colour	Suitable for switches	Туре	Order number
		IP65 handles, NEMA	1, 3R, 12
	Padlockable with max. 3 padlo	cks with bail diameter 58	mm, door interlock in ON-position, defeatable
Black	OT16125F	OHBS2AJ	1SCA105213R1001
Red- yellow	OT16125F	OHYS2AJ	1SCA105296R1001
	Padlockable with max. 3	padlocks with bail diamete	r 58 mm, door interlock in ON-position
Black	OT16125F	OHBS2AJ1	1SCA105215R1001
Red- yellow	OT16125F	OHYS2AJ1	1SCA105297R1001

Selector type handle with metal hasp

		IP65 handles, N	EMA 1, 3R, 12		
	Padlockable with max. 3 padlocks, door interlock in the ON-position, defeatable				
Black	OT16125F	OHBS2AJEH	1SCA108230R1001		
	Padlockable with max. 3 padlocks, door interlock in the ON-position, non-defeatable				
Black	OT16125F	OHBS2AJ1EH	1SCA105217R1001		



Selector type handles, for door mounted switches Indication I-O and ON-OFF. No separate shaft needed.

OHBS2RJ



OHYS2RJ

Colour	Suitable for switches	Туре	Order number
	Padlockable with max. 3 padlo	cks, IP65, hole dist	ance 36/48 mm, NEMA 1, 3R, 12
Black	OT16125FT	OHBS2RJ	1SCA105232R1001
Red-yellow	OT16125FT	OHYS2RJ	1SCA105323R1001

4.2 Accessories – Handles



Round padlockable handles, for base and DIN-rail mounted switches Padlockable in 0-position, max 3 padlocks with max 8 mm hasp diameter. Indication I-O and ON-OFF





O AC	
OZ3	31_RY

Colour	Suitable for switches	Туре	Order number	
One hole mounting handle, IP65, NEMA 4X outdoor, size 66x66				
Black	OT16125F_	OZ331SPB	1SCA112983R1001	
Red-yellow	OT16125F_	OZ331SPRY	1SCA113097R1001	

Pistol type handles, for base and DIN-rail mounted switches

IP65, padlockable with three padlocks in OFF-position, door interlock in ON-position. Screw fixing from the back side of the handle. No screws on the front ensures double insulation.





OHB_

Colour	Handle length [mm]	Туре	Order number
	Suitable for s	witches OT16125F, for shaft	diameter 6 mm
	Indicat	ion in types OHB and OHY: I-0), ON-OFF
Black	45	OHB45J6	1SCA022380R8770
Red-yellow	45	OHY45J6	1SCA022380R8930
	Suitable for sw	ritches OT160EV250, for sha	ft diameter 6 mm
	Indicat	ion in types OHB and OHY: I-0), ON-OFF
Black	65	ОНВ65J6	1SCA022380R9660
Red-yellow	65	OHY65J6	1SCA022380R9820
Black	80	ОНВ80Ј6	1SCA022381R0240
Red-yellow	80	ОНҮ80J6	1SCA022381R0410
	Suitable for sv	witches OT315400, for shaft	diameter 12 mm
	Inc	dication OHB and OHY: I-0, ON	N-OFF
Black	95	OHB95J12	1SCA022381R0830
Red-yellow	95	OHY95J12	1SCA022381R1050
	Suitable for sv	vitches OT630800, for shaft	diameter 12 mm
	Inc	dication OHB and OHY: I-0, ON	N-OFF
Black	125	OHB125J12	1SCA022381R1560
Red-yellow	125	OHY125J12	1SCA022381R1720





OTV400EK



OTV1000EPK

Colour	Handle length [mm]	Suitable for switches	Туре	Order number
Black	65	OT160EV250	OTV250EK	1SCA022763R2700
ed-yellow	65	OT160EV250	OTVY250EK	1SCA022772R7910
Black	95	OT315400	OTV400EK	1SCA022763R2960
ed-yellow	95	OT315400	OTVY400EK	1SCA022772R7830
Black	125	OT630800	OTV800EK	1SCA022804R6340
d-yellow	125	OT630800	OTVY800EK	1SCA022810R2780
Black	274	OT10004000	OTV1000EK	1SCA106608R1001
Black	2x200	OT10002500	OTV1000EPK	1SCA121085R1001

4.2 Accessories – Handles

Pistol type handles, for base and DIN-rail mounted switches

Padlockable with three padlocks in OFF-position, door interlock in ON-position. Screw fixing from the back side of the handle. No screws on the front ensures double insulation.



OHB150/200J12P



OHB274/330J12

Colour	Handle length [mm]	Type	Order number
	Suitable for switche	s OT10002500, for shaf	t diameter 12 mm, IP65
	Indio	cation OHB and OHY: I-0, 0	ON-OFF
Black	2x150	OHB150J12P	1SCA022865R9430
Red-yellow	2x150	OHY150J12P	1SCA101586R1001
Black	2x200	OHB200J12P	1SCA022865R9510
Red-yellow	2x200	OHY200J12P	1SCA101587R1001
	Suitable for switche	s OT10004000, for shaf	t diameter 12 mm, IP65
	Indio	cation OHB and OHY: I-0, 0	ON-OFF
Black	274	OHB274J12	1SCA115920R1001
Red-yellow	274	OHY274J12	1SCA115919R1001
Black	330	OHB330J12	1SCA115922R1001

Stainless steel handles, for base mounted switchesStainless steel handles, indication I-O/ON-OFF, padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position, IP66



OHM65L6



OHB65J6E00S

Colour	Handle length [mm]	Type	Order number	•
		For shaft diameter 6 mm		
Grey	65	OHM65L6	1SCA022739R1070	
		For shaft diameter 12 mm		
Grey	175	OHM175L12	1SCA022739R1230	
Grey	275	OHM275L12	1SCA022832R4840	
Grey	2x200	OHM200L12P	1SCA104439R1001	
				-

Handles for side operated switch-disconnectors

For mounting on the side of the enclosure. Padlockable with three padlocks in the OFF-position, door interlock in the ON-position, IP65. The position indications are rotated 90°.



OHY65J6E00S

Colour	Handle length [mm]	Туре	Order number
,		For shaft diameter 6 mm, IP65	
	Plastic ha	indles, black and red-yellow: I-O/OI	N-OFF
Black	65	OHB65J6E00S	1SCA022382R9850
Red-yellow	65	OHY65J6E00S	1SCA022382R9930
	For shaft of	diameter 12 mm, IP65, Nema type 1	, 3R, 12
	Plas	tic handles, indication I-O/ON-OFF	:
Black	145	OHB145J12E00S	1SCA022679R9700

4.2 Accessories – Shafts

Shafts

SWITCHES

OXS6X_	









Shaft length [mm]	H [mm]	Туре	Order number
Shaft diameter 6 mm			
For selector type handle	s, suitable for OT16	125F	
85		OXS6X85	1SCA101647R1001
130		OXS6X130	1SCA101655R1001
180	-	OXS6X180	1SCA101659R1001
250		OXS6X250	1SCA101660R1001
330		OXS6X330	1SCA101661R1001
For round padlockable t	ype handles, suitab	le for OT16125F	
85		OX6X85	1SCA111274R1001
130		OX6X130	1SCA111460R1001
200	-	OX6X200	1SCA111932R1001
300		OX6X300	1SCA111933R1001
For pistol type handles,	suitable for OT161	L25F	
150		OXP6X150	1SCA022295R5600
265		OXP6X265	1SCA108225R1001
400		OXP6X400	1SCA108226R1001
For pistol type handles,	suitable for OT160E	EV250	
130	109174	OXP6X130	1SCA022057R0570
150	129194	OXP6X150	1SCA022295R5600
210	189254	OXP6X210	1SCA022295R6080
290	269334	OXP6X290	1SCA022042R6370
Shaft diameter 12 mm	,	,	
For pistol type handles,	suitable for OT315	.400	
185	165245	OXP12X185	1SCA022325R6710
250	230310	OXP12X250	1SCA022325R6980
280	260340	OXP12X280	1SCA022137R5140
325	305385	OXP12X325	1SCA022042R5810
395	375455	OXP12X395	1SCA022042R5990
465	445525	OXP12X465	1SCA022042R6020
535	515595	OXP12X535	1SCA022042R6110
For pistol type handles,	suitable for OT630.	800	
250	230345	OXP12X250	1SCA022325R6980
280	260375	OXP12X280	1SCA022137R5140
325	305420	OXP12X325	1SCA022042R5810
395	375490	OXP12X395	1SCA022042R5990
465	445560	OXP12X465	1SCA022042R6020
535	515630	OXP12X535	1SCA022042R6110
For pistol type handles,			
250	221350	OXP12X250	1SCA022325R6980
280	251380	OXP12X280	1SCA022137R5140
325	296425	OXP12X325	1SCA022042R5810
395	366495	OXP12X395	1SCA022042R5990
465	436565	OXP12X465	1SCA022042R6020
535	506635	OXP12X535	1SCA022042R6110
For pistol type handles,			
280	251380	OXP12X280	1SCA022137R5140
325	296425	OXP12X325	1SCA022042R5810
395	366495	OXP12X395	1SCA022042R5810
465	436565	OXP12X465	1SCA022042R5990
	TJUJUJ	OVI TEVADO	135405504510050

4.2 Accessories - Auxiliary contacts

Auxiliary contact blocks, IP20, for OT16...125F/FT_ and OT16...125M_

Contact numbering according to EN 50013. Snap-on mounting to the side of the switch. Ith = 16A, cable cross section max. 2 x 2.5 mm². Early-break type OA1G10.





OA2G11

Suitable for switches	Function	Туре	Order number
Mountable on left side, max	. 2 pcs		
OT16125F_, FT_	1NC	OA1G01	1SCA022353R4890
Mountable on the right side	, max. 2 pcs		
OT16125F_, FT_	1NO	OA1G10	1SCA022353R4970
Mountable on both sides, si	multaneous function wi	th the main contacts	
OT1640F_: max. 2NO+2NC	, OT63125F: max. 4NO	+4NC ³⁾	
OT16 125F	1NO+1NC	OA2G11 ²)	1SCA022379R8100

- 1) Not mountable on the same side as the fourth pole.
- 2) Contact numbering: (83) (43) (53) 13 21 (61) (31) (71)
 - (84) (44) (54) 14 22 (62) (32) (72)
- Early break type auxiliary contacts means that in the switches, the NO aux.contacts break before the main contacts open.

Auxiliary contact blocks, IP20, for OT160EV...4000 Contact numbering according to EN 50013.



OA1G10, OA3G01

13 14	1	no
1NC)	







Function	Туре	Order number
Suitable for switches OT160EV4000		
1NO	OA1G10	1SCA022353R4970
1NC	OA3G01	1SCA022456R7410

The "test" contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position = 45 degrees over the OFF-position. The "test indication" contacts operate only when the handle is turned to TEST-position. See the function table below. The OAIG10 (N.O.) or OA3G01 (N.C.) auxiliary contact blocks can be used as standard auxiliary contacts, "test" or "test indication" contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place shown in the mounting instruction. In order to activate the "test" and "test indication" features a handle with test function is required.

OT160EV...250: Max. 4 test contacts or 2 test contacts + 2 test indication contacts

OT315...800: Max. 4 test contacts + 4 test indication contacts

Switches with _K handle: 2+4 auxiliary contacts with _P handle: 4+4 auxiliary contacts

Max 4 test indication contacts + 6 test contacts + 2 early operation test contacts

The test contacts can be used as standard auxiliary contacts as well.

Handle position	Main contacts	Aux./Test contacts N.O.	Test indication contact N.O.
Function table of auxiliary	contacts		
Test	open	closed	closed
0	open	open	open
I	closed	closed	open
Mounting on the left side of	of the switch		
Max 8 auxiliary contact blo	ocks with the OEA28 module.		

Module for auxiliary contacts with OT160EV...4000 Screw mounting to the left side of the switch.

Suitable for switches	Туре	Order number
OT160EV4000	OEA28	1SCA022714R8810

Early break type auxiliary contacts means that in the switches, the NO aux.contacts break before the main contacts open.

4.2 Accessories – Fourth poles



Fourth poles, simultaneous function with the main contacts Mountable on the side of the switch.





OTZ800E



OTZ1250E



OTZ1600E



Suitable for switches	Туре	Order number
For OT switch-disconnectors		
OT1640F3	OTPS40FPN1*	1SCA105001R1001
OT1640F3	OTPS40FPN2*	1SCA105000R1001
OT6380F3	OTPS80FP	1SCA105461R1001
OT100F3, OT125F3	OTPS125FP	1SCA105099R1001
OT1640FT3	OTPS40FDN1*	1SCA104999R1001
OT1640FT3	OTPS40FDN2*	1SCA104998R1001
OT6380FT3	OTPS80FD	1SCA105458R1001
OT100125FT3	OTPS125FD	1SCA105096R1001
OT160EV250	OTZ250E	1SCA022735R9420
OT315400	OTZ400E	1SCA022749R1960
OT630800	OTZ800E	1SCA022807R5100
OT10001250	OTZ1250E	1SCA103765R1001
OT1600	OTZ1600E	1SCA100431R1001
OT20002500	OTZ2500E	1SCA107931R1001

Fourth poles, late-break and early-make Mountable on the side of the switch.

Suitable for switches	Туре	Order number			
For OT switch-disconnectors					
T1640F3 OTPL40FP		1SCA105717R1001			
OT6380F3	OTPL80FP	1SCA105452R1001			
OT100125F3	OTPL125FP	1SCA105090R1001			
T1640FT3 OTPL40FD		1SCA105716R1001			
OT6380FT3	OTPL80FD	1SCA105451R1001			
OT100125FT3	OTPL125FD	1SCA105088R1001			

- N1=On the left side of the switch
- N2=On the right side of the switch

4.2 Accessories – Terminal shrouds



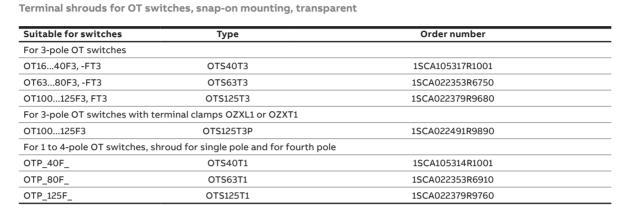
OTS40T3



OTS125T3



OTS125T1P





OTS1600G1L



OTS2500G1L

Terminal shrouds for OT switches, snap-on mounting, grey

Suitable for switches	Description	Туре	Order number
For 3-pole OT			
OT160EV250	Long type	OTS250G1L/3	1SCA022731R8150
OT315400	Long type	OTS400G1L/3	1SCA022736R8840
OT630800	Long type	OTS800G1L/3	1SCA022776R7890
OT10001600	Long type	OTS1600G1L/3	1SCA022871R9510
OT20002500	Long type	OTS2500G1L/3	1SCA107261R1001
OT32004000	Long type	OTS4000G1L/3	1SCA129042R1001

Order number

Switch-disconnectors

4.2 Accessories - Conversion kits for front operated switch combinations

Shaft distance [mm]



6 and 8-pole switch mechanism

Suitable for switches



	-	
- 6		
	•	
		 - 61

OWP6D80



ABB	ē.	oFF	1=	C	-ON	OWP60125
		O۷	٧P	60	012	25

p.	
je Je	

OTZW8



OWC6D40



OWC6D125





	-
	11
	10
-	
OT7W2	4

Parallel attachment for co	nnecting two 3- or 4-pole switches	i	
	, ,	•	ectors, snap-on mounting. The switch size is can be mounted on the outer side of the
OT1640		OWP6D40	1SCA022865R4800
OT6380		OWP6D80	1SCA022865R5010
OT100125		OWP6D125	1SCA022865R5100
Attachment levers for con	necting two 3- or 4-pole switches		
·	ed with holes, enabling different sh can be mounted either horizontal		pole switches needed.
OT1640	45+(012)x15	OTZW8	1SCA022421R7600
OT6380	60+(011)x15	OTZW8	1SCA022421R7600
OT100125	75+(010)x15	OTZW8	1SCA022421R7600

Type

Change-over switch mechanism

Two switches connected with a mechanism operating into I-O-II -positions. Two 3 or 4-pole switches needed.

Change-over	kits
Change over	KILS

The modular change-over switches can be built by adding a compact snap-on kit on the top of two switch-disconnectors. The kits do not require any additional foot print area, only the height is increased 12 mm

550
630
001
920

See the table of the handles and shafts included in the conversion kits on next page.

By-pass switch mechanism

A combination of two switches in parallel with a third switch for change-over operation to by-pass, for example, a breaker for maintenance. The by-pass attachment can be used together with another combination attachment. Three 3 or 4-pole switches needed.

Suitable for switches	Shaft distance [mm]	Туре	Order number
OT16125	Between 1 and 2: 90+(06) x15 Between 1 and 3: 90+(010) x15	OTZW17	1SCA022387R1620
OT160EV250	Between 1 and 2: 210+(09) x20 Between 1 and 3: 250+(09) x20	OTZW26	1SCA022778R7060

Mechanical interlock mechanism

Prevents one switch from moving to ON-position, if the other is not in OFF-position. When mounted upside down, prevents one switch from moving to OFF-position, if the other is not in ON-position. (UPS-usage, make-before-break).

OT16125	100	OTZW24	1SCA022639R5610
OT160250	190	OTZW10	1SCA022431R5280

See the table of the handles and shafts included in the conversion kits on next page.

4.3 Manual change-over switches OT16...125_C, and OT315...800_CP

Manual change-over switches, I-O-II -operation Including terminal clamps, IP20. Handle and shaft have to be ordered separately.



OT63 80F30

	Rate	ed current a	nd power		
No. of	AC-21A	/AC-22A	AC-23A	Type Order number	Order number
poles	≤ 415V I[A]	400V S[kVA]	400415V I[A]/P[kW]		Order Humber
3	16	11	16/7.5	OT16F3C	1SCA104816R1001
3	25	17	20/9	OT25F3C	1SCA104863R1001
3	40	27	23/11	OT40F3C	1SCA104913R1001
3	63	43	45/22	OT63F3C	1SCA105338R1001
3	80	55	75/37	OT80F3C	1SCA105402R1001
3	100	70	80/37	OT100F3C	1SCA105008R1001
3	125	86	90/45	OT125F3C	1SCA105037R1001

Manual change-over switches, I-O-II -operation

Including a black plastic IP65 I-0-II pistol type handle, shaft and bolt set for the cable connection. Handle padlockable in the 0-position, door interlock in the I- and II-positions and when padlocked..



OT160...250E03CP



OT160...250E04CP

Rated current and power							
No. of poles	AC-21A	/AC-22A	AC-23A	Type	Order number		
No. or poles	≤ 415V I[A]	400V S[kVA]	400415V I[A]/P[kW]	туре	Order Humber		
3	160	110	160/90	OT160E03CP	1SCA022772R6510		
4	160	110	160/90	OT160E04CP	1SCA022775R9440		
3	200	135	200/110	OT200E03CP	1SCA022771R7520		
4	200	135	200/110	OT200E04CP	1SCA022771R7280		
3	250	170	250/140	OT250E03CP	1SCA022771R3450		
4	250	170	250/140	OT250E04CP	1SCA022775R4640		

Shafts, handle and bolt kits included as standard

Suitable for switches	Shaft	Handle	Bolt kit
OT160250_C	OXP6x161	OHB65J6E011	M8x25



OT315...400E03CP



OT630...800E03CP

	Rated	Rated current and power		'	
No. of poles	AC-21A	/AC-22A	AC-23A	Туре	Order number
No. or poles	≤ 415V I[A]	400V S[kVA]	400415V I[A]/P[kW]	туре	Order Humber
3	315	215	315/160	OT315E03CP	1SCA022772R6780
4	315	215	315/160	OT315E04CP	1SCA022775R7150
3	400	275	400/220	OT400E03CP	1SCA022771R8500
4	400	275	400/220	OT400E04CP	1SCA022771R8680
3	630	435	630/355	OT630E03CP	1SCA022785R6050
4	630	435	630/355	OT630E04CP	1SCA022785R6130
3	800	550	800/450	OT800E03CP	1SCA022785R6300
4	800	550	800/450	OT800E04CP	1SCA022785R6210

Shafts, handle and bolt kits included as standard

Suitable for switches	Shaft	Handle	Bolt kit
OT315400_C	OXP12x166	OHB95J12E011	M10x30
OT630800_C	OXP12x185	OHB125J12E011	M12x40

4.3 Manual change-over switches OT16...125_C, and OT315...800_CP

Manual change-over switches, I-O-II -operation

Including a black plastic IP65 I-0-II pistol type handle, shaft and bolt set for the cable connection. Handle padlockable in the 0-position, door interlock in the I- and II-positions and when padlocked..



OT1250E03CP



OT1600E03CP

	Rated current 1) and power				
No. of poles	AC-21A/AC-22A AC-23A		IA/AC-22A AC-23A		Order number
No. or poles	≤ 415V I[A]	400V S[kVA]	400415V I[A]/P[kW]	Туре	Order Humber
3	1000	680	1000/560	OT1000E03CP	1SCA022872R1680
4	1000	680	1000/560	OT1000E04CP	1SCA022872R1500
3	1250	850	1250/710	OT1250E03CP	1SCA022872R0790
4	1250	850	1250/710	OT1250E04CP	1SCA022872R1250
3	1600	1000	1250/710	OT1600E03CP	1SCA022872R1840
4	1600	1000	1250/710	OT1600E04CP	1SCA022872R2310
3	2000	1350		OT2000E03CP	1SCA103908R1001
4	2000	1350		OT2000E04CP	1SCA103912R1001
3	2500	1700		OT2500E03CP	1SCA105615R1001
4	2500	1700		OT2500E04CP	1SCA103906R1001
3	3200	2170		OT3200E03CP	1SCA129156R1001
4	3200	2170		OT3200E04CP	1SCA129158R1001

¹⁾ OT2000...3200: Category AC-21B



OT3200E03CP

Shafts, handle and bolt kits included as standard

Suitable for switches	Shaft	Handle	Bolt kit
OT10002500_C	OXP12x185	OHB200J12PE011	M12x60
OT3200_C	OXP12x185	OHB200J12PE011	M12x100

4.4 Bypass switches OT160...800E_YP

Manual bypass switches, I-O-II -operation

Including a black plastic IP65 I-0-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.



OT160...250E03_YP



OT315...400E03_YP

	Rated	current an	d power		
No. of poles	AC-21A	/AC-22A	AC-23A	Туре	Order number
No. or poles	≤ 415V I[A]	400V S[kVA]	400415V I[A]/P[kW]	Туре	Order Humber
3	160	110	160/90	OT160E03YP	1SCA123551R1001
4	160	110	160/90	OT160E04YP	1SCA123556R1001
3	200	135	200/110	OT200E03YP	1SCA123552R1001
4	200	135	200/110	OT200E04YP	1SCA123557R1001
3	250	170	250/140	OT250E03YP	1SCA123553R1001
4	250	170	250/140	OT250E04YP	1SCA123558R1001
3	315	215	315/160	OT315E03YP	1SCA123581R1001
4	315	215	315/160	OT315E04YP	1SCA123583R1001
3	400	275	400/220	OT400E03YP	1SCA123582R1001
4	400	275	400/220	OT400E04YP	1SCA124026R1001
3	630	435	630/355	OT630E03YP	1SCA123590R1001
4	630	435	630/355	OT630E04YP	1SCA123592R1001
3	800	550	800/450	OT800E03YP	1SCA123591R1001
4	800	550	800/450	OT800E04YP	1SCA123593R1001



OT630...800E03_YP

Shafts, handle and bolt kits included as standard

Suitable for switches	Shaft	Handle	Handle extension	Bolt kit
OT160250_Y	OXP6/12x161C	OHB65J12E011	OHBZX200	M8x25
OT315400_Y	OXP12x166	OHB95J12E011	OHBZX200	M10x30
OT630800_Y	OXP12x185	OHB125J12E011	OHBZX275	M12x40

4.5 Motorized change over switches

Change-over switches, motor operation, I-O-II -operation Including a handle for manual operation, a storage clip for the handle and male connectors for control circuits..



OTM40...125F3C_



OTM40...125F4C_

	Rated o	urrent and	power		
No. of poles	AC-21A/AC-22A		AC- 31B/ AC-33B	Туре	Order number
	≤ 415V I[A]	400V S[kVA]	415V I[A]	-	
3	40	27	40/40	OTM40F3CMA230V	1SCA120096R1001
3	63	43	63/63	OTM63F3CMA230V	1SCA120095R1001
3	80	55	80/80	OTM80F3CMA230V	1SCA120093R1001
3	100	70	100/80	OTM100F3CMA230V	1SCA120071R1001
3	125	86	125/80	OTM125F3CMA230V	1SCA120070R1001
dotor voltage	U _e 24 V DC				
3	40	27	40/40	OTM40F3CMA24D	1SCA124061R1001
3	63	43	63/63	OTM63F3CMA24D	1SCA124060R1001
3	80	55	80/80	OTM80F3CMA24D	1SCA124059R1001
3	100	70	100/80	OTM100F3CMA24D	1SCA124058R1001
3	125	86	125/80	OTM125F3CMA24D	1SCA124057R1001

Handles included as standard, cable cross section

Suitable for switches	Cable cross section [mm²]	Handle
OTM40F_CM	2.525 or 2 x 2.516	OHB65D6CM
OTM63125F_CM	10 70	OHB65D6CM

Change-over switches, motor operation, I-O-II -operation

Including a handle for manual operation, bolt kit with nut and washers for all terminals and male connectors for control circuits. Types OTM160...400E_ include a storage clip for the handle and spare fuses.



OTM160...250E3C_



OTM315...400E3C_

	Rated	current and	power	'	
No. of poles	AC-21A	/AC-22A	AC-31B/ AC-33B	Туре	Order number
	≤ 415V I[A]	400V S[kVA]	415V I[A]	-	
				Motor voltage U _e 220240 V AC	
3	160	110	160/160	OTM160E3CM230C	1SCA022845R8610
4	160	110	160/160	OTM160E4CM230C	1SCA022848R1510
3	200	135	200/200	OTM200E3CM230C	1SCA022845R8960
4	200	135	200/200	OTM200E4CM230C	1SCA022846R1590
3	250	170	250/250	OTM250E3CM230C	1SCA022845R9260
4	250	170	250/250	OTM250E4CM230C	1SCA022846R1910
3	315	215	315/315	OTM315E3CM230C	1SCA022847R1210
4	315	215	315/315	OTM315E4CM230C	1SCA022847R2870
3	400	275	400/400	OTM400E3CM230C	1SCA022847R1630
4	400	275	400/400	OTM400E4CM230C	1SCA022847R3250



OTM315...400E4C_

Handles and bolt kits included as standard

Suitable for switches	Handle	Bolt kit
OTM160250	OTV250ECMK	M8x25
OTM315400	OTV400ECMK	M10x30

4.5 Motorized change-over switches

Change-over switches, motor operation, I-O-II -operation

Including a handle for manual operation, bolt kit with nut and washers for all terminals and male connectors for control circuits. Types OTM630...2500E_ include a storage clip for the handle and spare fuses.



OTM630...800E3C_



OTM1000...1250E3C_

	Rated	current 1) aı	nd power	'	
No. of poles	AC-21A/AC-22A AC-31B/ AC-33B		•	Туре	Order number
poles	≤ 415V 400V I[A] S[kVA]				
			М	otor voltage U _e 220240 V AC ²⁾	
3	630	435	650/650	OTM630E3CM230C	1SCA103567R1001
4	630	435	650/650	OTM630E4CM230C	1SCA022873R1990
3	800	550	720/650	OTM800E3CM230C	1SCA103570R1001
4	800	550	720/650	OTM800E4CM230C	1SCA022872R8340
3	1000	680	1000/1000	OTM1000E3CM230C	1SCA112677R1001
4	1000	680	1000/1000	OTM1000E4CM230C	1SCA112703R1001
3	1250	850	1250/1000	OTM1250E3CM230C	1SCA112676R1001
4	1250	850	1250/1000	OTM1250E4CM230C	1SCA112702R1001
3	1600	1000	1600/1000	OTM1600E3CM230C	1SCA112678R1001
4	1600	1000	1600/1000	OTM1600E4CM230C	1SCA112704R1001
3	2000	1350		OTM2000E3CM230C	1SCA112709R1001
4	2000	1350		OTM2000E4CM230C	1SCA112712R1001
3	2500	1700		OTM2500E3CM230C	1SCA112710R1001
4	2500	1700		OTM2500E4CM230C	1SCA112713R1001

¹⁾ OTM2000...2500: Category AC-21B



OTM2000...2500E3C

Handles and bolt kits included as standard

Suitable for switches	Handle	Bolt kit
OTM630800	OTV800ECMK	M12x40
OTM10002500	OTV400ECMK	M12x60

4.5 Motorized change-over switches

Change-over switches, motor operation, I-O-II -operation

Including a handle for manual operation, bolt kit with nut and washers for all terminals and male connectors for control circuits. Types OTM160...2500E_ include a storage clip for the handle and spare fuses. Types OTM160...250E_W are equipped with extended phase distance.



OTM160...250E3C_



OTM630...800E3C_



OTM2000...2500E3C_

	Rated	current 1) aı	nd power		
No. of poles	AC-21A	/AC-22A	AC-31B/ AC-33B	Туре	Order number
		400V S[kVA]	415V I[A]		
				Motor voltage U _e 24 V DC	
3	160	110	160/160	OTM160E3CM24D	1SCA022845R8110
4	160	110	160/160	OTM160E4CM24D	1SCA022846R0860
3	200	135	200/200	OTM200E3CM24D	1SCA022845R8290
4	200	135	200/200	OTM200E4CM24D	1SCA022846R1240
3	250	170	250/250	OTM250E3CM24D	1SCA022845R8370
4	250	170	250/250	OTM250E4CM24D	1SCA022846R1670
3	315	215	315/315	OTM315E3CM24D	1SCA022847R0910
4	315	215	315/315	OTM315E4CM24D	1SCA022847R2520
3	400	275	400/400	OTM400E3CM24D	1SCA022847R1390
4	400	275	400/400	OTM400E4CM24D	1SCA022847R2950
3	630	435	650/650	OTM630E3CM24D	1SCA022873R1210
4	630	435	650/650	OTM630E4CM24D	1SCA022873R2020
3	800	550	720/650	OTM800E3CM24D	1SCA022872R5910
4	800	550	720/650	OTM800E4CM24D	1SCA022872R8420
3	1000	680	1000/1000	OTM1000E3CM24D	1SCA113672R1001
4	1000	680	1000/1000	OTM1000E4CM24D	1SCA113675R1001
3	1250	850	1250/1000	OTM1250E3CM24D	1SCA113671R1001
4	1250	850	1250/1000	OTM1250E4CM24D	1SCA113674R1001
3	1600	1000	1600/1000	OTM1600E3CM24D	1SCA113673R1001
4	1600	1000	1600/1000	OTM1600E4CM24D	1SCA113676R1001
3	2000	1350		OTM2000E3CM24D	1SCA113695R1001
4	2000	1350		OTM2000E4CM24D	1SCA113697R1001
3	2500	1700		OTM2500E3CM24D	1SCA113696R1001
4	2500	1700		OTM2500E4CM24D	1SCA113698R1001

¹⁾ OTM2000...2500: Category AC-21B

Handles and bolt kits included as standard

Suitable for switches	Handle	Bolt kit
OTM160250	OTV250ECMK	M8x25
OTM315400	OTV400ECMK	M10x30
OTM630800	OTV800ECMK	M12x40
OTM10002500	OTV1000ECMK	M12x60

4.6 Accessories - Handle knobs and External handles

Handle knobs

No shaft needed, direct mounting on the top of the switch.







Suitable for switches	Colour	Type	Order number
Padlockable in 0-position			
OT1680F_C	Black	OHBS2	1SCA109089R1001
OT1680F_C	Red	OHRS2	1SCA108598R1001
OT100125F_C	Black	OHBS11	1SCA109092R1001
Non-padlockable			
OT1680F_C	Black	OHBS3	1SCA108320R1001
OT1680F_C	Red	OHRS3	1SCA108667R1001
OT100125F_C	Black	OHBS9	1SCA108665R1001
OT100125F_C	Red	OHRS9	1SCA108666R1001

Selector handle, indication I-O-II

 $IP65, padlockable\ in\ O\ -position\ with\ maximum\ three\ padlocks\ with\ bail\ diameter\ 5...8\ mm\ (two\ lower\ holes)\ and\ 5...6.3\ mm\ (the\ upper\ lower\ holes)$ hole). Door interlock in I- and II-position and when padlocked in O-position.







Suitable for switches	Colour	Shaft diameter [MM]	Туре	Order number
Padlockable in 0-po	sition			
OT16125F_C	Black	6	OHBS2AJE011	1SCA105220R1001
OT16125F_C	Red- yellow	6	OHYS2AJE011	1SCA105301R1001

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



ОНВ_



OHB200_P_

Suitable for switches	Colour	Shaft diameter [MM]	Туре	Order number
Padlockable in 0-posi	tion			
IP65, door interlock in	I- and II-positio	on and when pad	llocked. Padlocking possibility w	th three padlocks, bail dia Ø 510 mm.
OT16125F_C	Black	6	OHB45J6E011	1SCA022594R7110
OT160250_C	Black	6	OHB65J6E011	1SCA022383R2480
OT315400_C	Black	12	OHB95J12E011	1SCA022621R0760
OT630800_C	Black	12	OHB125J12E011	1SCA022589R3340
OT10003200_C	Black	12	OHB274J12E011	1SCA122306R1001
OT10003200_C	Black	12	OHB200J12PE011	1SCA022873R4230
OT160250E_Y	Black	12	OHB65J12E011	1SCA123656R1001
OT315400E_Y	Black	12	OHB95J12E011	1SCA022621R0760
OT630800E_Y	Black	12	OHB125J12E011	1SCA022589R3340

Order number

1SCA022783R0090

1SCA022783R0170

1SCA022797R2470

1SCA107481R1001

1SCA022807R9430

1SCA022804R0570

1SCA022843R2900

1SCA022804R3410

1SCA111301R1001

Order number

1SCA101647R1001

1SCA101655R1001

Change-over, bypass and transfer switches

4.6 Accessories – Handles and shafts

Suitable for switches

OT160...250_C

OT315...400_C

OT630...800 C

OT1000...2500_C

OTM40...125F C

OTM160...250_C

OTM315...400_C

OTM630...800_C

OTM1000...2500_C

Suitable for switches

Shaft diameter 6 mm OT16...125F C

OT16...125F_C

Plastic handle, direct mounting, indication I-O-II Includes a shaft and a mechanism cover.

Black

Black

Black

Black

Black

Black

Black

Black

Length [mm]

130

Padlockable with three padlocks in 0-position. Types -ECMK include also microswitches.

Padlockable with three padlocks in 0-position

Includes a shaft (no mechanism cover)





OTV1000ECK

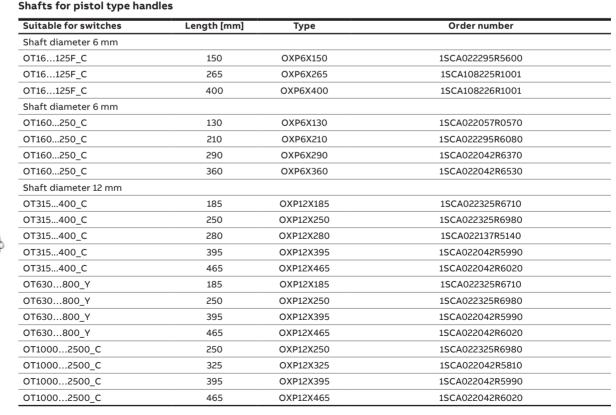


OHB65D6CM

Shafts for selector type handles







Type

OTV250ECK

OTV400ECK

OTV800ECK

OTV1000ECK

OHB65D6CM

OTV250ECMK

OTV400ECMK

OTV800ECMK

OTV1000ECMK

Type

OXS6X85

OXS6X130

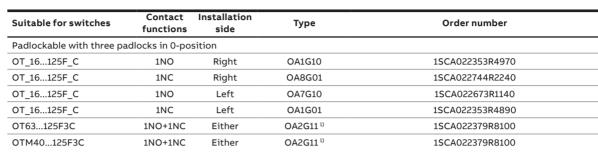




4.6 Accessories – Auxiliary contacts and fourth poles

Auxiliary contact blocks for OT16...125F and OTM40...125F

Snap-on mounting to the switch, IP 20, max. 2 blocks/ side. Ith = 16 A, suitable for cable cross sections max. 2 x 2.5 mm2. Simultaneous action with the main contacts.



¹⁾ Not mountable on 4-pole change-over switches





OA1G10





Auxiliary contact blocks for OT160... 3200, OT160...800_Y and OTM160...2500

Mounting on the right side of the switch: Max. 4 auxiliary contact blocks/switch (totally 8 blocks). Simultaneous action with the main contacts, IP20.



OTPS40F_

Suitable for switches	Contact functions	Installation side	Туре	Order number
Padlockable with three padlo	cks in 0-position	1		
OT_1603200_	1NO	Right	OA1G10	1SCA022353R4970
OT_1603200_	1NC	Right	OA3G01	1SCA022456R7410



OTPS80F_



OTPS125F

Fourth poles for OT16...125F

Snap-on mounting to the left or right side of the switches, IP20. Simultaneous operation with power poles.

Suitable for switches	Rated current, up to 415V AC-21A/AC-22A/AC- 23A I[A]	Туре	Order number
Padlockable with three pa	adlocks in 0-position		
OT16OT/OTM40F_C	40/40/23	OTPS40FPN11)	1SCA105001R1001
OT16OT/OTM40F_C	40/40/23	OTPS40FPN2 ²⁾	1SCA105000R1001
OT/OTM6380F_C	80/80/75	OTPS80FP	1SCA105461R1001
OT/OTM100125F_C	125/125/90	OTPS125FP	1SCA105099R1001

¹⁾ Installation to the left side

²⁾ Installation to the right side

Order number

1SCA105317R1001

1SCA022353R6750

1SCA022379R9680

1SCA105314R1001

1SCA105314R1001

1SCA022353R6910

1SCA022379R9760

Change-over, bypass and transfer switches

4.6 Accessories - Terminal shrouds and parallel connection kits



Terminal shrouds, transparent plastic

Suitable for switches

For three pole switches

OTPS60FP, OTPS125FP

OT100...125F_C, OTM40...125F_

OT16...40F_C

OT63...80F_C

For fourth pole OTPS40FPN1

OTPS40FPN2

OTPS80FP

Snap-on mounting to the switches, IP20. The full shrouding of a 3-pole change-over switch is achieved with four 3-pole shrouds.

Type

OTS40T3

OTS63T3

OTS125T3

OTS40T1

OTS40T1

OTS63T1

OTS125T1











9/11				
DTS_L_				
	_			

Terminal shrouds, grey plastic

Snap-on mounting to the switches, IP 20. A kit includes three or four shrouds which can be used on either side of the switch. Suitable for the upperswitch.









OZXA40





Suitable for switches	No. of poles	Description	Type	Order number
OT_160250_C, _Y	3	Long type	OTS250G1L/3	1SCA022731R8150
OT_315400_C, _Y	3	Long type	OTS400G1L/3	1SCA022736R8840
OT_600800_C, _Y	3	Long type	OTS800G1L/3	1SCA022776R7890
OT_10001600_C	3	Long type	OTS1600G1L/3	1SCA022871R9510
OT_20002500_C	3	Long type	OTS2500G1L/3	1SCA107261R1001
OT3200_C	3	Long type	OTS4000G1L/3	1SCA129042R1001

Parallel connection kits

Finger protected connection bars for parallel connection of the upper or lower terminals. The bars accept additional cables, the maximum size is stated below.

Suitable for switches	Cable cross section [mm²]		Order number
OT1640F3C	6 (fine stranded), 10 (stranded)	OZXA33	1SCA022685R0310
OT1640F4C	6 (fine stranded), 10 (stranded)	OZXA32	1SCA022683R4110
OT6380F3C	25	OZXA38	1SCA022785R2140
OT6380F4C	25	OZXA39	1SCA022790R3820
OT100125F3C	50	OZXA40	1SCA022790R3910
OT100125F4C	50	OZXA41	1SCA022790R4040
OTM40125F3C_	1070	OMZC03	1SCA117037R1001
OTM40125F4C_	1070	OMZC04	1SCA117038R1001

4.6 Accessories - Bridging bars and automatic control units



OTZC13...34



OTZC43...44 OTZC53...54

Bridging bars

The bridging bars provide a connection link either on the incoming or outcoming side of the switch.

Suitable for switches	No. of poles	Type	Order number
OT_160250_C, _Y	3	OTZC13	1SCA022767R6910
OT_160250_C, _Y	4	OTZC14	1SCA022767R7040
OT_315400_C, _Y	3	OTZC23	1SCA022767R7120
OT_315400_C, _Y	4	OTZC24	1SCA022767R7210
OT_600_C800E_C, _Y	3	OTZC33	1SCA022785R7020
OT_600_C800E_C, _Y	4	OTZC34	1SCA022785R7110
OT_10001250E_C	3	OTZC43	1SCA022868R0710
OT_10001250E_C	4	OTZC44	1SCA022868R0800
OT800U_, OT_1600E_C	3	OTZC53	1SCA022868R0980
OT800U_, OT_1600E_C	4	OTZC54	1SCA022868R1010
OT_20002500E_C	3	OTZC63	1SCA022868R1100
OT_20002500E_C	4	OTZC64	1SCA022868R1360

Automatic transfer switches

4.7 Compact ATS

OTM C21D

For Network/Network and Network/Genset application.

Adjustable version with configurable transfer and back-switching delays. Adjustable over and under-voltage thresholds.



OTM_C21D

Number of poles	Rated current [A]	Rated voltage [V]	Voltage sensing	Туре	Ordering code
2	63	230:220-240	Top in	OTM63F2C21D230C	1SCA151422R1001
2	125	230:220-240	Top in	OTM125F2C21D230C	1SCA151418R1001
3	63	400:380-415	Top in	OTM63F3C21D400C	1SCA151424R1001
3	125	400:380-415	Top in	OTM125F3C21D400C	1SCA151420R1001
4	63	400:380-415	Top in	OTM63F4C21D400C	1SCA151255R1001
4	125	400:380-415	Top in	OTM125F4C21D400C	1SCA151251R1001



OTVS0

Handles, direct mounting

Plastic I - O - II handle.

Suitable for switches	Colour	Installation side	Units /type [pcs]	Туре	Order code
OTM40125F_CM	Black	Shaft incl.	1	OHB65D6CM	1SCA022807R9430



Auxilary contacts

Snap-on mounting to the switch, IP 20, max. 2 blocks/side. I_{th} = 16 A, suitable for cable cross sections max. 2 x 2.5mm². Simultaneous action with the main contacts. The type and ordering number is for one piece.

Suitable for switches	Contact function	Installation side	Units /type [pcs]	Туре	Order code
OTM40125F_CM	1NO	Right	1	OA1G10	1SCA022353R4970
OTM40125F_CM	1NC	Right	1	OA8G01	1SCA022744R2240
OTM40125F_CM	1NO	Left	1	OA7G10	1SCA022673R1140
OTM40125F_CM	1NC	Left	1	OA1G01	1SCA022353R4890



OTS_T3



OTS_T1

Terminal Shrouds

Transparent plastic, snap-on mounting to the switches, IP 20. The full shrouding of a 3-pole change--over switch is achieved with four 3-pole shrouds*.

Suitable for switches	Units /type [pcs]	Туре	Order code
For 3-pole switches			
OTM40125F_CM	1	OTS125T3	1SCA022379R9680
For 4-pole switches			
OTPS60FP, OTPS125FP	1	OTS125T1	1SCA022379R9760

^{*} Terminal shrouds can also be mounted on parallel connection kits.

Automatic transfer switches

4.7 Compact ATS



Terminal clamp sets







Suitable for switches	Contact function	Units /type [pcs]	Туре	Order code			
Terminal clamp sets for Al- and Cu-cables insulated versions							
OTM40125F_CM	1650Al / 2.550 Cu	3	OZXT1	1SCA022469R6310			
OTM63125F_CM	16120 Al/Cu	3	OZXT2	1SCA022620R7200			
OTM63125F_CM	2x (1650) Al/Cu	3	OZXT3	1SCA022639R0720			
Terminal clamp sets for Al- and Cucables							
OTM40125F_CM	1070 Al/Cu	3	OZXL1	1SCA022639R0720			

OMZC_

Parallel connection kits

Finger protected connection bars for parallel connection of the upper or lower terminals. The bars accept additional cables, the maximum size is stated below.

Suitable for switches	Cable crosssection [mm²]	Units /type [pcs]	Туре	Order code
OTM40125F3CM_	1070	1	OMZC03	1SCA117037R1001
OTM40125F4CM_	1070	1	OMZC04	1SCA117038R1001

Automatic transfer switches

4.8 TruONE® ATS OXB200...1600

Delayed transition - Open style, Level 2 DIP controls

I - O - II - operation with stable OFF position between positions I and II. Delivery includes handle for manual operation, 2m RJ45 connection cable between detachable HMI and ATS frame.

Terminal connection kits (bolts, nits and washers) available as accessory.

Top entry - Source 1 and Source 2 connections on top, load connections on bottom



OXB200...250E3X2QT



OXB315...400E3X2QT



OXB500...800E3S2QT



OXB1000...1600E3X2QT

No. of poles	Rated current [A]	Туре	Order code
3	200	OXB200E3X2QT	1SCA153434R1001
3	250	OXB250E3X2QT	1SCA153460R1001
3	315	OXB315E3X2QT	1SCA153507R1001
3	400	OXB400E3X2QT	1SCA153520R1001
3	500	OXB500E3X2QT	1SCA151028R1001
3	630	OXB630E3X2QT	1SCA149957R1001
3	800	OXB800E3X2QT	1SCA150940R1001
3	1000	OXB1000E3X2QT	1SCA153582R1001
3	1250	OXB1250E3X2QT	1SCA153617R1001
3	1600	OXB1600E3X2QT	1SCA153626R1001
4	200	OXB200E3S2QT	1SCA153428R1001
4	250	OXB250E3S2QT	1SCA153457R1001
4	315	OXB315E3S2QT	1SCA153502R1001
4	400	OXB400E3S2QT	1SCA153516R1001
4	500	OXB500E3S2QT	1SCA151026R1001
4	630	OXB630E3S2QT	1SCA151055R1001
4	800	OXB800E3S2QT	1SCA150935R1001
4	1000	OXB1000E3S2QT	1SCA153578R1001
4	1250	OXB1250E3S2QT	1SCA153611R1001
4	1600	OXB1600E3S2QT	1SCA153623R1001

^{*}Contact ABB for pricing

Switch-disconnectors OTDC and OTDCP

4.9 Front operated switch-disconnectors, IEC

Switch-disconnectors OTDC, base or DIN-rail mounting, IEC

Types OTDC16...32 include IP20 protected terminal clamps. Shafts and handles need to be ordered separetely.

Single circuit use - up to 660 VDC



No. of poles	Rated operat. current [A] DC 21B / 660 V	Туре	Order number
2	16	OTDC16F2	1SCA121454R1001
2	25	OTDC25F2	1SCA121455R1001
2	32	OTDC32F2	1SCA121456R1001

Up to 1000 VDC



OP 10 1000 VDC			
No. of poles	Rated operat. current [A] DC 21B / 1000 V	Туре	Order number
2	10	OTDC16F2	1SCA121454R1001
2	16	OTDC25F2	1SCA121455R1001
2	20	OTDC32F2	1SCA121456R1001
3	16	OTDC16F3	1SCA121457R1001
3	25	OTDC25F3	1SCA121458R1001
3	32	OTDC32F3	1SCA121459R1001

Double circuit use - up to 1000 VDC



OTDC16...32F4

No. of	Rated operat. current [A]		_	
poles	DC21B / 660 V	DC21B / 1000 V	Туре	Order number
2x2	16	10	OTDC16F4	1SCA121461R1001
2x2	25	16	OTDC25F4	1SCA121462R1001
2x2	32	20	OTDC32F4	1SCA121463R1001

Switch-disconnectors OTDC_, door mounting, IEC

Types OTDC16...32 include IP20 protected terminal clamps. Shafts and handles need to be ordered separetely. Jumpers included in the package.

Single circuit use - up to 660 VDC



No. of poles	Rated operat. current [A] DC 21B / 660 V	Туре	Order number
2	16	OTDC16FT2	1SCA123839R1001
2	25	OTDC25FT2	1SCA123842R1001
2	32	OTDC32FT2	1SCA123845R1001

Up to 1000 VDC



OTDC16...32FT3

No. of poles	Rated operat. current [A] DC 21B / 1000 V	Туре	Order number
2	10	OTDC16FT2	1SCA123839R1001
2	16	OTDC25FT2	1SCA123842R1001
2	20	OTDC25FT2	1SCA123845R1001
3	16	OTDC16FT3	1SCA123840R1001
3	25	OTDC25FT3	1SCA123843R1001
3	32	OTDC32FT3	1SCA123846R1001

Double circuit use - up to 1000 VDC



	Rated operat. current [A]			
No. of poles	DC 21B / 660 V	DC 21B / 1000 V	Туре	Order number
2x2	16	10	OTDC16FT4	1SCA123841R1001
2x2	25	16	OTDC25FT4	1SCA123844R1001
2x2	32	20	OTDC32FT4	1SCA123847R1001

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Switch-disconnectors OTDC and OTDCP

SWITCHES

4.9 Front operated switch-disconnectors, IEC

Handle knobs for base and DIN rail mounted switches

Mounting directly to the switch, no shaft needed, for base and DIN-rail mounted switches

Colour	Handle length [mm]	Type	Order number				
	Suitable for switches OTDC1632F, OTDC1632U_						
Black	40	OHBS2*	1SCA109089R1001				
Red	40	OHRS2	1SCA108598R1001				
Black	39	OHBS3	1SCA108320R1001				
Red	39	OHRS3	1SCA108667R1001				



OHBS2P1



OHYS2RJ

Selector handles, for door mounted switches Indication I-O and ON-OFF. No separate shaft needed.

Colour	Type	Order number			
Screw mounting, hole distance 36 mm, for OTDC1632					
Padlockable with max. 3 padlocks, IP65, hole distance 36/48 mm, NEMA 1, 3R, 12					
Black OHBS2RJ 1SCA105232R1001					
Red-yellow	OHYS2RJ	1SCA105323R1001			

Extended shafts for selector handles



Shaft length [mm]	H [mm]	Type	Order number
	Suitable for switche	es OTDC1632F, shaft diameter	6 mm
85		OXS6X85	1SCA101647R1001
180		OXS6X180	1SCA101659R1001
250		OXS6X250	1SCA101660R1001



OTDCP_SA_



OTDCP_S_M20



OTDCP_S_M25

Plastic enclosed switch-disconnectors OTDCP_, IEC M20 threaded knock-outs..

Up to 660 VDC

No. of poles	Rated operat. current [A] DC 21B / 1000 V	Туре	Order number
	Includes red-yellow sele	ctor handle (I-0 and ON-OFF inc	lication)
2	16	OTDCP16SA11M	1SCA125126R1001
2	25	OTDCP25SA11M	1SCA125127R1001
2	32	OTDCP32SA11M	1SCA125128R1001

Up to 1000 VDC

No. of poles	Rated operat. current [A] DC 21B / 1000 V	Туре	Order number
	Includes red-yellow sele	ector handle (I-0 and ON-OFF inc	dication)
3	16	OTDCP16SA12M	1SCA125150R1001
3	25	OTDCP25SA12M	1SCA125151R1001
3	32	OTDCP32SA12M	1SCA125152R1001

Switch-disconnectors OTDC and OTDCP

4.9 Front operated switch-disconnectors, IEC



OTDC100...250E11

Single circuit, 1000 VDC, IEC - 100...250 A

No. of poles	Rated operat. current [A] DC 21 / 1000 V	Type	Order number
	Front operated, mechanism between	the poles. OTDC_EPP types in	lcude pre-mounted connection bars.
2	100	OTDC100E11	1SCA125821R1001
2	160	OTDC160E11	1SCA123745R1001
2	200	OTDC200E11	1SCA125626R1001
2	250	OTDC250E11	1SCA125865R1001



OTDC315...800F11

Single circuit, 1000 VDC, IEC - 315...800 A

No. of poles	Rated operat. current [A] PV2 / 1000 V	Туре	Order number
F	ront operated, mechanism betweer	the poles. OTDC_EPP types inlo	cude pre-mounted connection bars.
2	315	OTDC315F11	1SCA158172R1001
2	400	OTDC400F11	1SCA158196R1001
2	500	OTDC500F11	1SCA158220R1001
2	630	OTDC630F11	1SCA158244R1001
2	800	OTDC800F11	1SCA158853R1001



OTDC315...800FV11

Single circuit, 1500 VDC, IEC - 315...800 A

No. of poles	Rated operat. current [A] PV2 / 1500 V	Туре	Order number
	Front operated, mechanism between	the poles. OTDC_EPP types inlo	ude pre-mounted connection bars.
2	315	OTDC315FV11	1SCA158178R1001
2	400	OTDC400FV11	1SCA158202R1001
2	500	OTDC500FV11	1SCA158226R1001
2	630	OTDC630FV11	1SCA158250R1001
2	800	OTDC800FV11	1SCA158856R1001



OHB95J12

Recommended handles and shafts

Suitable for switches	Mounting	Туре	Order number
OTDC100250	Direct mount handle	OTDV250EK	1SCA127390R1001
OTDC315800	Direct mount handle	OTDV400EK	1SCA130579R1001
OTDC100250	Door mount handle	OHB65J6	1SCA022380R9660
OTDC100250	Shaft	OXP6X210	1SCA022295R6080
OTDC315800	Door mount handle	OHB95J12	1SCA022381R0830
OTDC315800	Shaft	OXP12X185	1SCA022325R6710

Enclosed switches

4.10 Plastic enclosed switch-disconnectors

ONE front operated switch-disconnectors Plastic enclosed, IP67



	urren		No. of	En	closur [mm		Туре	Order number
230V		AC23A 400V	poles	Н	W	D		
						Cover co	lor: white. Handle color: white.	
20		9.8	2	92	65	84	ONE20M2W	1SCA138456R1001
20	20	9.8	3	92	65	84	ONE20M3W	1SCA138457R1001
20	20	9.8	4	92	65	84	ONE20M4W	1SCA138459R1001
						Cover co	olor: yellow. Handle color: red.	
20		9.8	2	92	65	84	ONE20M2Y	1SCA135533R1001
20	20	9.8	3	92	65	84	ONE20M3Y	1SCA135536R1001
20	20	9.8	4	92	65	84	ONE20M4Y	1SCA135540R1001

Enclosed switches

4.10 Plastic enclosed switch-disconnectors



3-pole front operated switch-disconnectors Plastic enclosed, IP65

opera	ted tional nt [A]	Cable outlets/	Enc	losure [mm]	size	Type	Order number
AC22A	AC23A	side					
≤690V	≤415V	'	Н	W	D		
Include	es selecto	r-type black ha	ndle (I-	0 and 0		indication), N- and PE-ter o pull stoppers.	minals, two membrane cable glands and
16	16	2xM20	120	85	60	OTP16B3M	1SCA022383R2130
			, ,			(I-0 and ON-OFF indicationsion glands have to be o	**
25	20	2xM25+M16	150	130	60	OTP25B3M	1SCA022383R2640
40	23	2xM25+M16	150	130	60	OTP32B3M	1SCA022389R8400
63	45	2xM32+M16	200	145	90	OTP45B3M	1SCA022383R3020
80	75	2xM32+M16	200	145	90	ОТР63ВЗМ	1SCA022383R3450
100	80	2xM50+M16	400	200	140	OTP100B3M	1SCA126054R1001
125	90	2xM50+M16	400	200	140	OTP125B3M	1SCA022812R7180

Enclosed switches

4.10 Plastic enclosed switch-disconnectors





4-pole front operated switch-disconnectors Plastic enclosed, IP65

	ted tional nt [A]	Cable outlets/	Enc	losure [mm]	size	Type	Order number
AC22A	AC23A	side					
≤690V	≤415V	-	Н	W	D		
						e (I-0 and ON-OFF indicati ession glands have to be	**
16	16	2xM25+M16	150	130	60	OTP16B4M	1SCA022401R4160
25	20	2xM25+M16	150	130	60	OTP25B4M	1SCA022401R4320
40	23	2xM25+M16	150	130	60	OTP32B4M	1SCA022401R4590
63	45	2xM32+M16	200	145	90	OTP45B4M	1SCA022401R4750
80	75	2xM32+M16	200	145	90	OTP63B4M	1SCA022401R4910
125	90	2xM50+M16	400	200	140	OTP125B4M	1SCA022812R7260





OTP16B OTP25B OTP32B_







OTP100... 125BA3M

OTP100... 125BA3B

3-pole front operated switch-disconnectors Plastic enclosed, IP65, red-yellow

	ted tional nt [A]	Cable outlets/	E	nclosu size [mm]	re	Туре	Order number
AC22A	AC23A	side		luuui			
≤690V	≤415V		Н	W	D		
Include	s selecto	r-type red-yello	w hanc	lle (I-0		-OFF indication), N- and Pl two pull stoppers.	E-terminals, two membrane cable glands
16	16	2xM20	120	85	60	OTP16BA3M	1SCA022401R3350
	In		٠.	-		lle (I-0 and ON-OFF indica ssion glands have to be o	tion), N- and PE-terminals. rdered separately.
25	20	2xM25+M16	150	130	60	OTP25BA3M	1SCA022401R3430
40	23	2xM25+M16	150	130	60	OTP32BA3M	1SCA022401R3510
63	45	2xM32+M16	200	145	90	OTP45BA3M	1SCA022401R3600
80	75	2xM32+M16	200	145	90	ОТР63ВАЗМ	1SCA022401R3780
100	80	2xM50+M16	400	200	140	OTP100BA3M	1SCA126069R1001
125	90	2xM50+M16	400	200	140	OTP125BA3M	1SCA022812R7420

4-pole front operated switch-disconnectors Plastic enclosed, IP65, red-yellow





OTP125BA4M

opera	ted tional nt [A]	Cable outlets/	Enc	losure [mm]	size	Type	Order number
AC22A	AC23A	side					
≤690V	≤415V		Н	W	D		
			<i>-</i> 1	,		dle (I-0 and ON-OFF indicati	. ,
16	16	2xM25+M16	d knock 150	130	compre 60	ession glands have to be ord OTP16BA4M	dered separately. 1SCA022459R6510
16 25	16 20						· · · · · · · · · · · · · · · · · · ·
		2xM25+M16	150	130	60	OTP16BA4M	1SCA022459R6510
25	20	2xM25+M16 2xM25+M16	150 150	130 130	60	OTP16BA4M OTP25BA4M	1SCA022459R6510 1SCA022459R6600
25 40	20	2xM25+M16 2xM25+M16 2xM25+M16	150 150 150	130 130 130	60 60 60	OTP16BA4M OTP25BA4M OTP32BA4M	1SCA022459R6510 1SCA022459R6600 1SCA022459R6780

4.11 Din-type

Front operated switch fuses

Including terminal bolt set in OS125G...160G, a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFF-position and with door interlock in the ON-position. The shaft is adjustable for a range of installation depths.



OS125...160GD03F

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
Mechanism at the end of the	switch fuse			
Protected tunnel terminals, I	IP20			
32	000	3	OS32GD12P	1SCA114581R1001
63	000	3	OS63GD12P	1SCA115227R1001
Including terminal bolt set				
125	000,00	3	OS125GD12P	1SCA115641R1001
160	000,00	3	OS160GD12P	1SCA115643R1001

Shafts and handles included as standard

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS32G63G_P	OXP6X161	OHB45J6	-
OS125G160G_P	OXP6X161	OHB65J6	M8X25



OS200...250D03N3P

Front operated switch fuses

Including terminal bolt set, a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFF-position and with door interlock in the ON-position. The shaft is adjustable for a range of installation depths.

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
Mechanism at the end of the s	witch fuse			
200	0	3	OS200D03P	1SCA022709R9500
250	0-1	3	OS250D03P	1SCA022719R0090
400	0-2	3	OS400D03P	1SCA022719R0250



OS400D04FP

Shafts and handles included as standard

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS200_P	OXP6X210	OHB65J6	M8X25
OS250_P	OXP6X210	OHB65J6	M10X30
OS400_P	OXP12X250	OHB95J12	M10X30



OS1250D03P

и	0	

OS1250D04P

Front operated switch fuses

Including terminal bolt set, a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFF-position and with door interlock in the ON-position. The shaft is adjustable for a range of installation depths. OS1250DA_: a fuse replacement tool is integrated in the fuse cover.

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
Mechanism at the end of t	he switch f	use		
630	3	3	OS630D03P	1SCA022825R2830
800	3	3	OS800D03P	1SCA022825R4880
1250¹)	4	3	OS1250D03P	1SCA105475R1001
1250¹)	4a	3	OS1250DA03P	1SCA105238R1001
1) 1250A / AC-2122A, 100	0A / AC-23	ВА		

4.11 Din-type

Shafts and handles included as standard

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS630800_P	OXP12X280	OHB145J12	M12X40
OS1250_P	OXP12X395	OHB274J12	M12x50



OS32...63GD03K



OS125...160GD03K

Front operated switch fuses with direct mount handle

Including terminal bolt set in OS125G...160G, a black Test-OFF-ON plastic handle and shaft as standard. The handle is padlockable in the OFF-position. Types OS1250DA_: a fuse replacement tool is integrated in the fuse cover.

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
Mechanism at the end of th	ne switch fus	se .	,	
Protected tunnel terminals	, IP20			
32	000	3	OS32GD03K	1SCA116733R1001
63	000	3	OS63GD03K	1SCA116738R1001
Including terminal bolt set				
125	000, 00	3	OS125GD03K	1SCA116878R1001
160	000, 00	3	OS160GD03K	1SCA116742R1001

Shafts and handles included as standard

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS32G63G_K	-	OSV200BK	<u>-</u>
OS125G160G_K	-	OSV200BK	M8X25

Front operated switch fuses with direct mount handle

Including terminal bolt set, a black Test-OFF-ON plastic handle and shaft as standard. The handle is padlockable in the OFF-position. Types OS1250DA_: a fuse replacement tool is integrated in the fuse cover.



OS200...250D03K



OS400D03K

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
Mechanism at the end of the	he switch fus	se		
Including terminal bolt set				
200	0	3	OS200D03K	1SCA022764R7130
250	0-1	3	OS250D03K	1SCA022763R6360
400	0-2	3	OS400D03K	1SCA022779R5410
630	3	3	OS630D03K	1SCA108704R1001
800	3	3	OS800D03K	1SCA108725R1001
1250¹)	4	3	OS1250D03K	1SCA108718R1001
1250¹)	4a	3	OS1250DA03K	1SCA108720R1001

^{1) 1250}A / AC-20...22A, 1000A / AC-23A

Shafts and handles included as standard



OS630...800D03K

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS200_K	-	OSV250DK	M8X25
OS250_K	-	OSV250DK	M10X30
OS400_K	-	OSV400DK	M10X30
OS630800_K	-	OSV800DK	M12X40
OS1250_K	-	OSV1250DK	M12x50

4.12 BS-type

Front operated switch fuses

Including terminal bolt set in OS100G...160G, a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFF-position and with door interlock in the ON-position. The shaft is adjustable for a range of installation depths.



OS100...160GB03P

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
	Protected	tunnel termir	nals IP20, mechanism at the	end of the switch
32	A2, A3	3	OS32GB03P	1SCA115259R1001
63	A2, A3	3	OS63GB03P	1SCA115235R1001
	Includin	g terminal bo	olt set, mechanism at the en	d of the switch
100	A2-A41)	3	OS100GB03P	1SCA114613R1001
125	A2-A4 ¹⁾	3	OS125GB03P	1SCA115634R1001
160	A2-A41)	3	OS160GB03P	1SCA115413R1001

¹⁾ Max. fuse diameter 32 mm

Shafts and handles included as standard

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS32G63G_P	OXP6X161	OHB45J6	-
OS100G160G_P	OXP6X161	OHB65J6	M8X25

Front operated switch fuses

Rated op. current

AC-20...23A ≤ 690V [A]

200

250

315

400

Suitable for switches

OS200_GB_P

OS200 P

OS250_P

OS315...400_P

Shafts and handles included as standard

Including terminal bolt set, a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFFposition and with door interlock in the ON-position. The shaft can be adjusted to different installation depths.

Type

Mechanism at the end of the switch fuse

OS200B03P

OS250B03P

OS315B03P

OS400B03P

Included handle

OHB65J6

OHB65J6

OHB65J6

OHB95J12

Order number

1SCA022709R9330

1SCA022750R6660

1SCA022719R0680

1SCA022719R0840

Incl. terminal bolts

M8X25

M8X25

M10X30

M10X30

No. of

poles

3

3

Included shaft

OXP6X161

OXP6X210

OXP6X210

OXP12X250

Fuse size

B1-B2

B1-B3

B1-B4

B1-B4



OS200...250B02P



OS200...250B03N3P

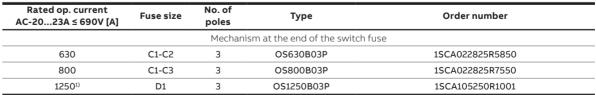


OS315...400B03P



Front operated switch fuses

Including terminal bolt set, a black ON-OFF plastic handle and shaft as standard. The handle is IP65 protected, padlockable in the OFFposition and with door interlock in the ON-position. The shaft is adjustable for a range of installation depths.



^{1) 1250}A / AC-20...22A, 1000A / AC-23A

Shafts and handles included as standard

Suitable for switches	Included shaft	Included handle	Incl. terminal bolts
OS630800_P	OXP12X280	OHB145J12	M12X40
OS1250_P	OXP12X395	OHB274J12	M12X50



OS1250D03P

4.13 Accessories - Handles



Pistol handles for front operated switch fuses

Plastic pistol handles, IP 65

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.



OHY65J6



OHG65J6



OHB95J12



OHY95J12T



OHB125J12

Colour	Handle length [mm]	Туре	Order number
For shaft diameter	6 mm (for OSMini and OS32250)		
Black and red-yello	w: I-O/ON-OFF.		
Black	45	OHB45J6	1SCA022380R8770
Red-yellow	45	OHY45J6	1SCA022380R8930
Black	65	OHB65J6	1SCA022380R9660
Red-yellow	65	OHY65J6	1SCA022380R9820
Black	80	ОНВ80J6	1SCA022381R0240
For shaft diameter	12 mm (for OS315400)		
Black and red-yello	w: I-O/ON-OFF.		
Black	95	OHB95J12	1SCA022381R0830
Red-yellow	95	OHY95J12	1SCA022381R1050
For shaft diameter	12 mm (for OS630800)		
Black and red-yello	w: I-O/ON-OFF.		
Black	125	OHB125J12	1SCA022381R1560
Red-yellow	125	OHY125J12	1SCA022381R1720
Black	145	OHB145J12	1SCA022381R2110
Red-yellow	145	OHY145J12	1SCA022381R2370
Black	175	OHB175J12	1SCA022381R2450
Grey	175	OHG175J12	1SCA022381R2610

- Door interlocking in the ON-position means that the door cannot be opened, when the handle is in the ON-position. This can be defeated to allow authorized personnel access for inspection.
- Handles padlockable in all positions



Optional handles for front operated switch fuses

Plastic pistol handles, IP 65

Padlockable with 3 padlocks in the OFF-position, door interlock in the ON-position. Screw fixing from the back side of the handle ensures double insulation.



онм_



Colour	Handle length [mm]	Туре	Order number
For shaft diameter	12 mm (for OS12001250)		
Black and red-yellov	w: I-O/ON-OFF.		
Black	274	OHB274J12	1SCA115920R1001
Red-yellow	274	OHY274J12	1SCA115919R1001
Black	330	OHB330J12	1SCA115922R1001
Black	2x200	OHB200J12P	1SCA022865R9510
Red-yellow	2x200	OHY200J12P	1SCA101587R1001

- Door interlocking in the ON-position means that the door cannot be opened, when the handle is in the ON-position. This can be defeated to allow authorized personnel access for inspection.
- Handles padlockable in all positions

4.13 Accessories - Shafts

Shafts

For OS100G...25, shaft diameter 6 mm







Shaft length [mm]	Туре	Order number
For OS 32G63G , shaft diameter	· 6 mm	
130	OXP6X130	1SCA022057R0570
161	OXP6X161	1SCA022067R1760
210	OXP6X210	1SCA022295R6080
290	OXP6X290	1SCA022042R6370
360	OXP6X360	1SCA022042R6530
430	OXP6X430	1SCA022056R6030

130	OXP6X130	1SCA022057R0570
210	OXP6X210	1SCA022295R6080
290	OXP6X290	1SCA022042R6370
360	OXP6X360	1SCA022042R6530
430	OXP6X430	1SCA022056R6030
For OS 315400, shaft dia	ameter 12 mm	

250	OXP12X250	1SCA022325R6980
280	OXP12X280	1SCA022137R5140
325	OXP12X325	1SCA022042R5810
395	OXP12X395	1SCA022042R5990
465	OXP12X465	1SCA022042R6020
535	OXP12X535	1SCA022042R6110

4.13 Accessories - Auxiliary contacts



Auxiliary contacts for OS32G...1250

Suitable for switches	Description	Protection degree	Type	Order number
OS32G1250	1NO	IP20	OA1G10	1SCA022353R4970
OS32G1250	1NC	IP20	OA3G01	1SCA022456R7410



OF428

Mounting under the mechanism cover

The "test" contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position = 45 degrees over the OFF-position. The "test tindication" contacts operate only when the handle is turned to TEST-position. See the function table below. The OA1G10 (N.O.) or OA3G01 (N.C.) auxiliary contact blocks can be used as standard auxiliary contacts, "test" or "test indication" contacts. The desired functions are achieved when an auxiliary contact block is installed in a specific place shown in the mounting instruction. In order to activate the "test" and "test indication" features, a handle with test function is required.

	Function table of OS32G1250 auxiliary contacts				
Handle position Test	Main contacts open	Aux./Test contacts N.O. closed	Test indication contacts N.O closed		
0 I	open closed	open closed	open open		

Maximum number of contact blocks, "Aux./test" contacts and "test indication" contacts, see the table below. Standard versions include all except for N3-types, which are equipped with integrated neutral through the mechanism.

Maximum number of auxiliary contacts unde	r the mechanism cove	r				
	OS/OSM32	2G250	OS/OSM3:	15800	OS/OSM12	001250
Pole version	Standard	N3	Standard	N3	Standard	N3
Maximum number of contact blocks	4	0	8	4	12	8
Aux./Test contacts	4	0	4	2	81)	6 ²⁾
Test indication contacts	2	0	4	2	4	2

For contact timing, see pages 106 and 107.

- 1) 6 aux/test contacts and 2 early operation aux./test contacts
- 2) 4 aux/test contacts and 2 early operation aux./test contacts



Mounting on the left side of the OS switch fuse:

Maximum 8 auxiliary contact blocks (N.O. or N.C.) with the OEA28 module.



Module for auxiliary contacts for OS32...1250

Description	Type	Order number
Screw mounting to the left side of the switch	OEA28	1SCA022714R8810



Fourth poles

Snap-on mounting to the side of the switch.



OSP800N

Suitable for 3-pole switches	Mounting side	Туре	Order number
		Switched 4. poles	
OS100G160G	Left/right	OSP160GN	1SCA114770R1001
OS200_	Left/right	OSP200N	1SCA022735R8700
OS250_	Left/right	OSP250N	1SCA022735R9260
OS400_	Left/right	OSP400N	1SCA022770R3490
OS630800	Left/right	OSP800N	1SCA100432R1001
OS12001250	Left/right	OSP1250N	1SCA107943R1001

4.13 Accessories - Terminal shrouds and Fuse monitors



OSS200G1L



Terminal shrouds

Suitable for switches	Description	Туре	Order number			
Pack of single pole terminal shrouds						
Snap-on mounting, grey plastic, IP 3X from front.						
OS100G160G	Long type	OSS160GG1L/3	1SCA114764R1001			
OS200	Long type	OSS200G1L/3	1SCA022731R8910			
OS250	Long type	OSS250G1L/3	1SCA022731R9390			
OS315400	Long type	OSS400G1L/3	1SCA022776R6650			
OS630800	Long type	OSS800G1L/3	1SCA022776R7200			
OS1250	Long type	OSS1250G1L/3	1SCA107938R1001			



Electronic fuse monitor

Includes the auxiliary contacts 1NO + 1NC.

OS32G...1250

 $\label{thm:mounting$





Rated voltage [V]	Туре	Order number
100260/AC	OFS260	1SCA022716R0180
380690/AC	OFS690	1SCA022715R9920
48110/DC	OFD110EA	1SCA121775R1001
110500/DC	OFD500EA	1SCA121776R1001



OFD500EA

Fuse Switch XLP

4.14 Fuse switch horizontal



Fuse Switch XLP - 1 Pole

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
160	00	1	XLP00-1P-2M8	1SEP600113R0003
250	1	1	XLP1-1P-M10	1SEP600116R0003
400	2	1	XLP2-1P	1SEP600122R0001
630	3	1	XLP3-1P	1SEP600126R0001



Fuse Switch XLP - 2 Pole

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
160	00	2	XLP00-2P-4M8	1SEP600114R0003
250	1	2	XLP1-2P-4M8	1SEP600117R0003
400	2	2	XLP2-2P	1SEP600123R0001
630	3	2	XLP3-2P	1SEP600127R0001



Fuse Switch XLP - 3 Pole

Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
160	00	3	XLP00-6M8	1SEP101890R0004
250	1	3	XLP1-6M10	1SEP101891R0004
400	2	3	XLP2	1SEP101892R0001
630	3	3	XLP3	1SEP101975R0001



Fuse Switch XLP - 4 Pole

_					
	Rated op. current AC-2023A ≤ 690V [A]	Fuse size	No. of poles	Туре	Order number
	160	00	4	XLP00-4P-8M8	1SEP600115R0003
_	250	1	4	XLP1-4P-8M8	1SEP600119R0003
_	400	2	4	XLP2-4P	1SEP600124R0001
	630	3	4	XLP3-4P	1SEP600128R0001