

# Type designation key

## Explanation of the types OT16..125, OTM40...125

OT	16	F	4	N2		
OTM	40	F	3		M	230V
1	2	3	4	5	6	7

<b>1</b>	<b>Brand</b>
OT:	ABB switch-disconnector brand
OTM:	ABB motorized switch-disconnector brand
<b>2</b>	<b>Switch size</b>
16...125:	16...125
<b>3</b>	<b>Mounting / Construction</b>
F:	Base and DIN-rail mounting
FT:	Door mounting
FL:	Base and DIN-rail mounting, extended terminals on both sides of the switch
FLA:	Base and DIN-rail mounting, extended terminals on top side only
FLB:	Base and DIN-rail mounting, extended terminals on bottom side only
M, ML:	Installation switches for 45 mm standard opening, base and din-rail mounting

<b>4</b>	<b>Number of poles</b>
3:	3-poles
4:	4-poles
6:	6-poles
8:	8-poles
<b>5</b>	<b>Fourth pole</b>
N2:	Fourth pole, simultaneous function with the main contacts
<b>6</b>	<b>Construction</b>
M:	Motor operated
<b>7</b>	<b>Code for motor voltage in motor operated switches</b>
230V:	Motor voltage $U_e = 220...240$ VAC/DC

## Explanation of the types OT160...4000, OTM160...2500

OT	400	E	03		W		P
OTM	400	E	3	M	W	230C	
1	2	3	4	5	6	7	8

<b>1</b>	<b>Brand</b>
OT:	ABB switch-disconnector / non-fusible disconnect switch brand
OTM:	ABB motorized switch-disconnector brand
<b>2</b>	<b>Switch size / Ampere rating</b>
160...4000:	160 A...4000 A
<b>3</b>	<b>Mounting / Construction</b>
E, EV:	Front operated, base mounting, IEC
U:	Front operated, base mounting, UL/CSA
ES, EVS:	Side operated, base mounting, IEC
EM:	Earthing switches, bottom mounted, IEC, the mechanism is turned 90 degrees for space saving
EP:	Earthing switches, base mounted, IEC
<b>4</b>	<b>Number of poles and placing of the operating mechanism</b>
03:	3-poles, operating mechanism at the left end of the switch
04:	4-poles, operating mechanism at the left end of the switch
12:	3-poles, operating mechanism between the poles

22:	4-poles, operating mechanism between the poles
30:	3-poles, operating mechanism at the right end of the switch
40:	4-poles, operating mechanism at the right end of the switch
2:	2-poles, motor operator at the left end of the switch
3:	3-poles, motor operator at the left end of the switch
4:	4-poles, motor operator at the left end of the switch
<b>5</b>	<b>Construction 1</b>
M:	Motor operated
<b>6</b>	<b>Construction 2</b>
K:	With direct mounted handle
W:	With wide phase distance
<b>7</b>	<b>Code for motor voltage in motor operated switches</b>
230V:	Motor voltage $U_e = 220...240$ VAC/DC
230C:	Motor voltage $U_e = 220...240$ VAC
<b>8</b>	<b>Construction 3</b>
P:	Handle included

# Ordering information

## Front operated switch-disconnectors, IEC



OT16...40F3



OT63...80F3



OT100...125F3



OT125FLB3



OT63...80M4



OT100...125M4

### Switch-disconnectors, base and DIN-rail mounting, IEC

Including protected terminal clamps IP20, except OT125FL\_ types.

The type and the ordering numbers are for one piece.

No. of poles	$I_{th}$ (open) [A]	Cable cross section [mm <sup>2</sup> ]	Rated operat. currents AC22A/AC23A 400V [A/A]	Type	Order number	Delivery batch [pcs]	Weight/unit [kg]
<b>Shaft and handle need to be ordered separately</b>							
3	25	0.75...10	16/16	OT16F3	1SCA104811R1001	10	0.11
4	25	0.75...10	16/16	OT16F4N2	1SCA104829R1001	10	0.14
3	32	0.75...10	25/20	OT25F3	1SCA104857R1001	10	0.11
4	32	0.75...10	25/20	OT25F4N2	1SCA104886R1001	10	0.14
3	40	0.75...10	40/23	OT40F3	1SCA104902R1001	10	0.11
4	40	0.75...10	40/23	OT40F4N2	1SCA104932R1001	10	0.14
3	63	1.5...35	63/45	OT63F3	1SCA105332R1001	10	0.27
4	63	1.5...35	63/45	OT63F4N2	1SCA105365R1001	10	0.30
3	80	1.5...35	80/75	OT80F3	1SCA105798R1001	10	0.27
4	80	1.5...35	80/75	OT80F4N2	1SCA105413R1001	10	0.30
3	115	10...70	100/80	OT100F3	1SCA105004R1001	10	0.36
4	115	10...70	100/80	OT100F4N2	1SCA105018R1001	10	0.50
3	125	10...70	125/90	OT125F3	1SCA105033R1001	10	0.36
4	125	10...70	125/90	OT125F4N2	1SCA105051R1001	10	0.50
3	125		125/90	OT125FL3 <sup>1)</sup>	1SCA112372R1001	1	0.43
3	125		125/90	OT125FLA3 <sup>2)</sup>	1SCA114832R1001	1	0.43
3	125		125/90	OT125FLB3 <sup>3)</sup>	1SCA114833R1001	1	0.43

<sup>1)</sup> Extended terminals on both sides of the switch

<sup>2)</sup> Extended terminals on top side only

<sup>3)</sup> Extended terminals on bottom side only

### Switch-disconnectors, base and DIN-rail mounting, IEC

Including a black knob handle and protected terminal clamps IP20. For standard 45 mm opening. OT16...125M: padlockable in OFF-position with one padlock (bail dia 5 mm). The type and order number are for one piece.

Number of poles / modules	$I_{th}$ (open) [A]	Cable cross section [mm <sup>2</sup> ]	Rated operat. currents AC21/AC22A/AC23A ≤415V [A/A/A]	Type	Order number	Weight/unit [kg]
3/2	16	0.75...10	16/16/16	OT16M3	1SCA022497R0220	0.11
4/3	16	0.75...10	16/16/16	OT16M4	1SCA022497R0730	0.14
3/2	25	0.75...10	25/25/20	OT25M3	1SCA022497R0310	0.11
4/3	25	0.75...10	25/25/20	OT25M4	1SCA022497R0650	0.14
3/2	40	0.75...10	40/40/23	OT40M3	1SCA022497R0490	0.11
4/3	40	0.75...10	40/40/23	OT40M4	1SCA022497R0570	0.14
3/3	80	1.5...35	80/80/75	OT63ML3	1SCA022530R5770	0.27
4/4	80	1.5...35	80/80/75	OT63ML4	1SCA022530R6400	0.30
3/4	125	10...70	125/125/90	OT125M3	1SCA022429R9140	0.4
4/6	125	10...70	125/125/90	OT125M4	1SCA022429R9220	0.5

# Ordering information

## Front operated switch-disconnectors, IEC



OT16...40F6



OT63...80F8

### 6- and 8-pole switch-disconnectors, base and DIN-rail mounting, IEC

Including protected terminal clamps, IP20.

Number of poles	$I_{th}$ (open) [A]	Cable cross section [mm <sup>2</sup> ]	Rated operat. currents AC22A/ AC23A 400V [A/A]	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
<b>Shaft and handle need to be ordered separately</b>							
6	25	0.75...10	16/16	OT16F6	1SCA104834R1001	1	0.25
6	32	0.75...10	25/20	OT25F6	1SCA104880R1001	1	0.25
6	40	0.75...10	40/23	OT40F6	1SCA104936R1001	1	0.25
6	63	1.5...35	63/45	OT63F6	1SCA105379R1001	1	0.61
6	80	1.5...35	80/75	OT80F6	1SCA105427R1001	1	0.61
6	115	10...70	100/80	OT100F6	1SCA105021R1001	1	0.81
6	125	10...70	125/90	OT125F6	1SCA105057R1001	1	0.81
8	25	0.75...10	16/16	OT16F8	1SCA104836R1001	1	0.31
8	32	0.75...10	25/20	OT25F8	1SCA104882R1001	1	0.31
8	40	0.75...10	40/23	OT40F8	1SCA104938R1001	1	0.31
8	63	1.5...35	63/45	OT63F8	1SCA105381R1001	1	0.67
8	80	1.5...35	80/75	OT80F8	1SCA105429R1001	1	0.67
8	115	10...70	100/80	OT100F8	1SCA105022R1001	1	1.10
8	125	10...70	125/90	OT125F8	1SCA105059R1001	1	1.10