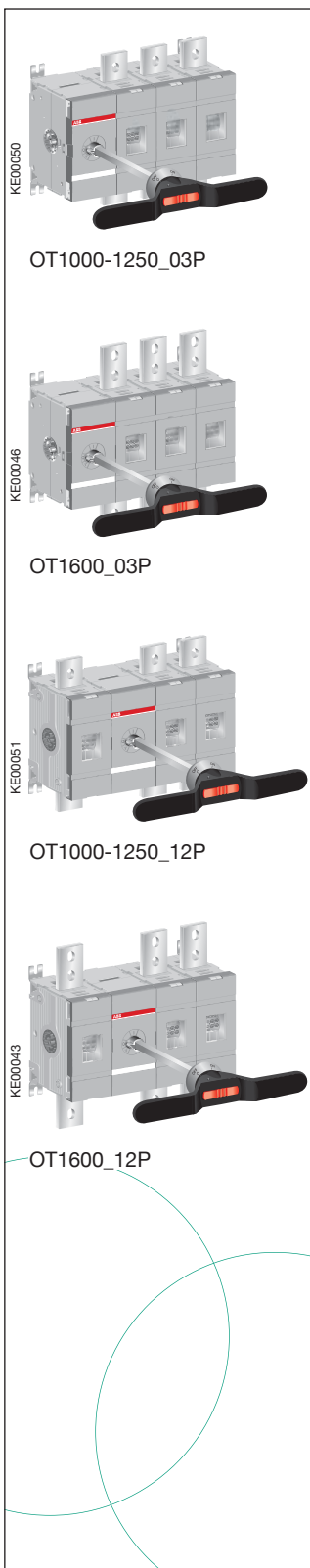


New switch-disconnectors for 1000...1600 Amperes

- ▶ Excellent motor ratings at 690 V AC
- ▶ Auxiliary contacts (max. 8 test + 4 test indication contacts) can be mounted inside the mechanism and the installation does not require any extra space
- ▶ In addition 8 NO or NC auxiliary contacts can be mounted on the side of the switch



Ordering information

Including terminal bolt kit, a black ON-OFF plastic handle OHB200J12P and shaft OXP12x280 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.

Front operated switch-disconnectors

I _{th} [A]	Poles	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
1000	3	OT1000E03P	1SCA022860R5930	1	17.0
	3+N	OT1000E03N3P	1SCA100761R1001	1	17.9
	4	OT1000E04P	1SCA022860R6150	1	19.5
	3	OT1000E12P	1SCA022871R5520	1	17.0
	4	OT1000E22P	1SCA022871R5610	1	19.5
1250	3	OT1250E03P	1SCA022860R6230	1	17.0
	3+N	OT1250E03N3P	1SCA022865R7060	1	17.9
	4	OT1250E04P	1SCA022860R6310	1	19.5
	3	OT1250E12P	1SCA022871R5790	1	17.0
	4	OT1250E22P	1SCA022871R5870	1	19.5
1600	3	OT1600E03P	1SCA022860R6580	1	19.0
	3+N	OT1600E03N3P	1SCA022865R6920	1	19.9
	4	OT1600E04P	1SCA022860R6740	1	22
	3	OT1600E12P	1SCA022871R5950	1	19.0
	4	OT1600E22P	1SCA022871R6090	1	22

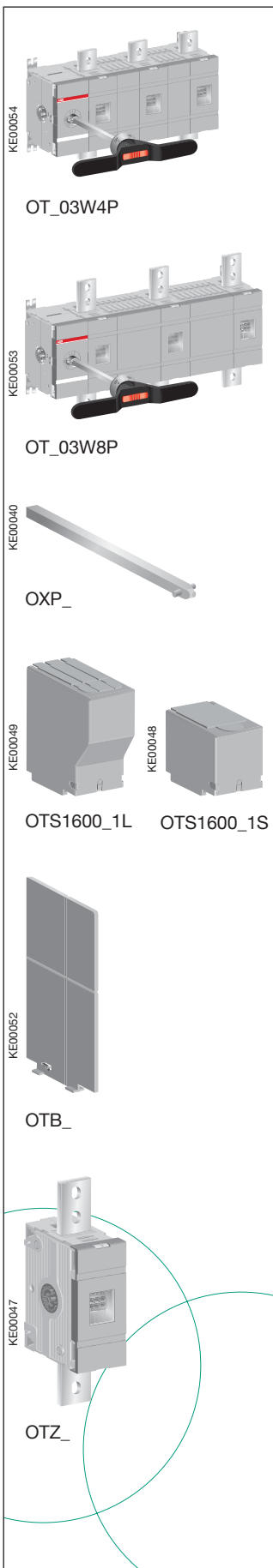
Front operated switch-disconnectors for heavy duty

I _{th} [A]	Poles	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
1000	3	OT1000X03P	1SCA101465R1001	1	17.0
	3+N	OT1000X03N3P	1SCA101461R1001	1	17.9
	4	OT1000X04P	1SCA101471R1001	1	19.5
	3	OT1000X12P	1SCA101477R1001	1	17.0
	4	OT1000X22P	1SCA101479R1001	1	19.5
1250	3	OT1250X03P	1SCA101484R1001	1	17.0
	3+N	OT1250X03N3P	1SCA101609R1001	1	17.9
	4	OT1250X04P	1SCA101499R1001	1	19.5
	3	OT1250X12P	1SCA101517R1001	1	17.0
	4	OT1250X22P	1SCA101522R1001	1	19.5
1600	3	OT1600X03P	1SCA101527R1001	1	19.0
	3+N	OT1600X03N3P	1SCA101525R1001	1	19.9
	4	OT1600X04P	1SCA101534R1001	1	22
	3	OT1600X12P	1SCA101540R1001	1	19.0
	4	OT1600X22P	1SCA101542R1001	1	22



Switch-disconnectors OT1000...1600

Ordering details



Front operated switch-disconnectors with wide phase distance

The available phase distances are 140 mm (W4) and 185 mm (W8).

I _{th}	Poles	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
[A]					
The available phase distances are 140 mm (W4) and 185 mm (W8).					
1000	3	OT1000E03W4P	1SCA022871R7310	1	19.8
	4	OT1000E04W4P	1SCA100762R1001	1	24
	3	OT1000E03W8P	1SCA022871R8110	1	22
	4	OT1000E04W8P	1SCA100763R1001	1	27
1250	3	OT1250E03W4P	1SCA022866R1920	1	19.8
	4	OT1250E04W4P	1SCA022866R2220	1	24
	3	OT1250E03W8P	1SCA022871R8540	1	22
	4	OT1250E04W8P	1SCA100764R1001	1	27
1600	3	OT1600E03W4P	1SCA022865R9860	1	22
	4	OT1600E04W4P	1SCA022866R1090	1	26
	3	OT1600E03W8P	1SCA022871R8970	1	24
	4	OT1600E04W8P	1SCA100765R1001	1	29

Front operated switch-disconnectors with wide phase distance for heavy duty

1000	3	OT1000X03W4P	1SCA101467R1001	1	19.8
	4	OT1000X04W4P	1SCA101473R1001	1	24
	3	OT1000X03W8P	1SCA101469R1001	1	22
	4	OT1000X04W8P	1SCA101475R1001	1	27
1250	3	OT1250X03W4P	1SCA101546R1001	1	19.8
	4	OT1250X04W4P	1SCA101488R1001	1	24
	3	OT1250X03W8P	1SCA101494R1001	1	22
	4	OT1250X04W8P	1SCA101511R1001	1	27
1600	3	OT1600X03W4P	1SCA101529R1001	1	22
	4	OT1600X04W4P	1SCA101563R1001	1	26
	3	OT1600X03W8P	1SCA101532R1001	1	24
	4	OT1600X04W8P	1SCA101538R1001	1	29

Extended shafts

The type and ordering numbers are for one piece.

Shaft length [mm]	H/[mm]	Suitable for switches	Type	Order number	Delivery batch [pcs]	Weight/ unit [kg]
250	226...355	OT1000...1600	EXP12X250	1SCA022325R6980	1	0.28
280	256...385	OT1000...1600	EXP12X280	1SCA022137R5140	1	0.30
325	301...430	OT1000...1600	EXP12X325	1SCA022042R5810	1	0.36
395	371...500	OT1000...1600	EXP12X395	1SCA022042R5990	1	0.43
465	441...570	OT1000...1600	EXP12X465	1SCA022042R6020	1	0.51
535	511...640	OT1000...1600	EXP12X535	1SCA022042R6110	1	0.59

Terminal shrouds

Pack of single pole shrouds, snap-on mounting, grey plastic, IP3X. Transparent shrouds available on request.

Suitable for switches	Description [L/mm]	Type	Order number	Units/ type [pcs]	Weight/ unit [kg]
For 3-pole switches					
OT1000...1600	Long type	OTS1600G1L/3	1SCA022871R9510	3	0.003
OT1000...1600	Short type	OTS1600G1S/3	1SCA022871R9600	3	0.008
For 4-pole switches					
OT1000...1600	Long type	OTS1600G1L/4	1SCA022871R9780	4	0.012
OT1000...1600	Short type	OTS1600G1S/4	1SCA022871R9860	4	0.012

Phase separators

Grey plastic plate for maintaining 1" clearance between the phases without terminal shrouds. Snap-on mounting. The package includes 6 plates.

OT1000...1600, 3- and 4-pole	OTB1600/6	1SCA100768R1001	6	0.50
------------------------------	-----------	-----------------	---	------

Fourth poles

Mountable on the side of the switch. Simultaneous function with the main contacts. The type and ordering number are for one piece.

OT1000...1600, 3-pole	OTZ1600E	1SCA100431R1001	1	4.54
-----------------------	----------	-----------------	---	------



Switch-disconnectors OT1000...1600

Technical data

Technical data according to IEC 60947

Switch type			OT1000 E	OT1000 X	OT1250 E	OT1250 X	OT1600 E	OT1600 X
Rated insulation voltage	Pollution degree 3	V	1 000	1 000	1 000	1 000	1 000	1 000
Dielectric strength	50 Hz 1min.	kV	10	10	10	10	10	10
Rated impulse withstand voltage		kV	12	12	12	12	12	12
Rated thermal current in ambient 35 °C and temporarily 40 °C	In open air	A	1 000	1 000	1 250	1 250	1 600	1 600
	In enclosure	A	1 000	1 000	1 250	1 250	1 600	1 600
...with minimum cable or bar cross section	Cu	mm ²	2 x 300	2 x 300	2 x 400	2 x 400	2 x 500	2 x 500
Rated operational current, AC-21A	up to 500 V	A	1 000	1 000	1 250	1 250	1 600	1 600
	690 V	A	1 000	1 000	1 250	1 250	1 600	1 600
Rated operational current, AC-22A	up to 500 V	A	1 000	1 000	1 250	1 250	1 600	1 600
	690 V	A	800	1 000	1 000	1 250	1 250	1 600
Rated operational current, AC-23A	up to 500 V	A	800	1 000	1 000	1 250	1 000	1 250
	690 V	A	650	1 000	650	1 250	650	1 250
Rated breaking capacity in category AC-23	up to 500 V	A	8 000	10 000	10 000	10 000	10 000	10 000
	690 V	A	6 400	10 000	6 400	10 000	8 000	10 000
Weight without accessories	3-pole switch	kg	14.1	14.1	14.1	14.1	15.2	15.2
	4-pole switch	kg	16.7	16.7	16.7	16.7	17.9	17.9
Terminal tightening torque	Counter torque required	Nm	50-75	50-75	50-75	50-75	50-75	50-75
Operating torque	Typical for 3 and 4-pole switches	Nm	65	65	65	65	65	65



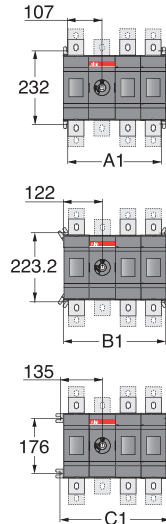
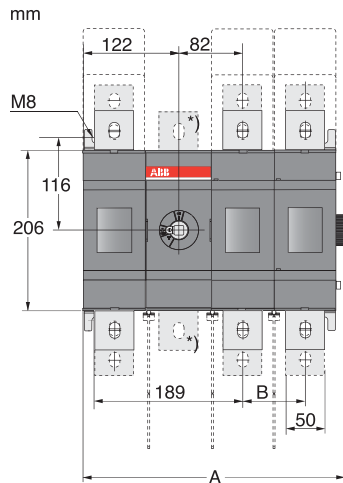


Switch-disconnectors OT1000...1600

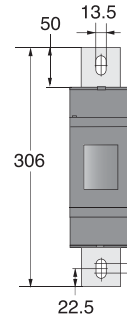
Dimension drawings

OT1000...1600

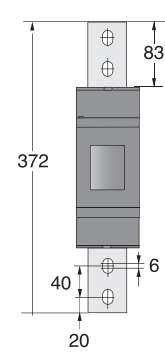
OT1000-1600_12



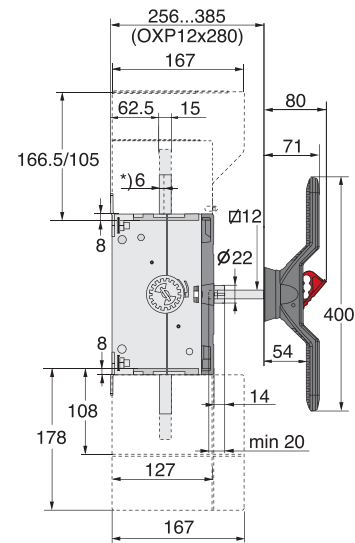
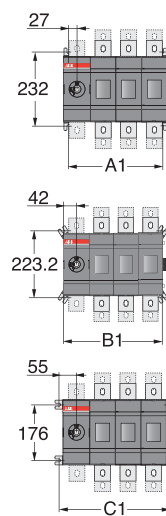
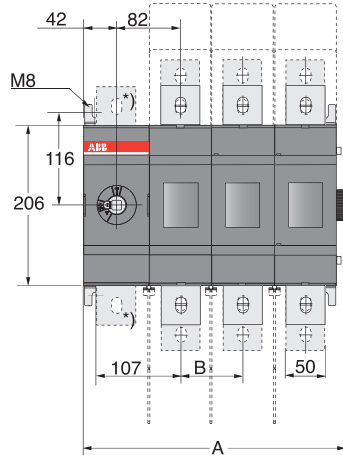
OT1000-1250_



OT1600_



OT1000-1600_03



*) N3 types

OT1000/ 1250/ 1600_													
		01	02	03	04	11	12	13	22	03W4	04W4	03W8	04W8
A	mm	174.50	254.50	334.50	414.50	254.50	334.50	414.50	414.50	454.50	594.50	544.50	729.50
B	mm		80	80	80		80	80	80	140	140	185	185
A1	mm	134	214	294	374	214	294	374	374	414	554	504	689
B1	mm	164	244	324	404	244	324	404	404	444	584	534	719
C1	mm	190	270	350	430	270	350	430	430	470	610	560	745

M00135/M00136/OT800U-1600E_A/KE00045



ABB Oy
 Low Voltage Products
 P.O. Box 622
 FI-65101 VAASA, Finland
 Telephone +358 10 22 11
 Telefax +358 10 22 45708
www.abb.com

The technical data and dimensions are valid at the time of printing. We reserve the right to subsequent alterations.