

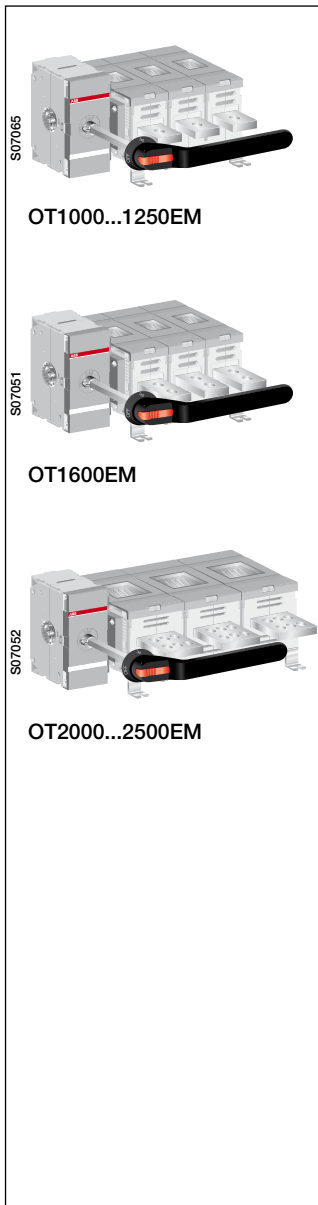
# New OT earthing switches

## Space saving types

- Early operation auxiliary contacts
- Electrical interlocking coil with closed principle as option
- Mechanical interlocking between switch-disconnector OT1000...2500E\_ or with E-max / T7 breaker

## Ordering information

### Earthing switches



### Earthing switches

#### The mechanism is turned 90 degree - space saving

Including terminal bolt kit, a black OFF -  $\perp$  plastic handle and shaft as standard. The handle is padlockable in OFF and  $\perp$ -position.

Number of poles	$I_{cw} / 1\text{ s}$ [kA]	$I_{cw} / 0,25\text{ s}$ [kA]	$I_{cm}^{peak}$ [kA]	Type	Order number	Unit/type [pcs]	Weight /unit [kg]
<b><math>I_{cw} / 1\text{ s} = 50\text{ kA}</math>, <math>I_{cm} = 110\text{ kA}</math> (peak)</b>							
3	50	50	110	OT1000EM03P	1SCA118937R1001	1	17.5
4	50	50	92	OT1000EM04P	1SCA118950R1001	1	20.0
3	50	50	110	OT1250EM03P	1SCA115708R1001	1	17.5
4	50	50	92	OT1250EM04P	1SCA118949R1001	1	20.0
3	50	50	110	OT1600EM03P	1SCA115815R1001	1	19.5
4	50	50	92	OT1600EM04P	1SCA118948R1001	1	22.5
<b><math>I_{cw} / 1\text{ s} = 55\text{ kA}</math>, <math>I_{cw} / 0,25\text{ s} = 80\text{ kA}</math>, <math>I_{cm} = 176\text{ kA}</math> (peak)</b>							
3	55	80	176	OT2000EM03P	1SCA118939R1001	1	42.5
4	55	80	176	OT2000EM04P	1SCA118947R1001	1	49.5
3	55	80	176	OT2500EM03P	1SCA115835R1001	1	42.5
4	55	80	176	OT2500EM04P	1SCA118946R1001	1	49.5

#### Earthing switches with wide phase distances

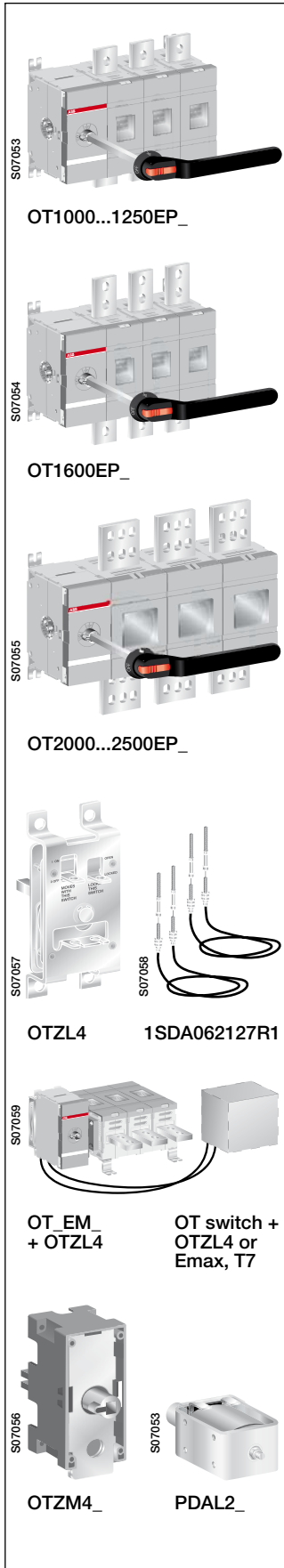
#### The mechanism is turned 90 degree - space saving

Including terminal bolt kit, a black OFF -  $\perp$  plastic handle and shaft as standard. The handle is padlockable in OFF and  $\perp$ -position. W4=140mm, W8=185mm.

Number of poles	$I_{cw} / 1\text{ s}$ [kA]	$I_{cw} / 0,25\text{ s}$ [kA]	$I_{cm}^{peak}$ [kA]	Type	Order number	Unit/type [pcs]	Weight /unit [kg]
<b><math>I_{cw} / 1\text{ s} = 50\text{ kA}</math>, <math>I_{cm} = 110\text{ kA}</math> (peak)</b>							
3	50	50	110	OT1250EM03W4P	1SCA115805R1001	1	20.5
3	50	50	110	OT1250EM03W8P	1SCA115810R1001	1	22.5
4	50	50	92	OT1250EM04W4P	1SCA118940R1001	1	24.5
4	50	50	92	OT1250EM04W8P	1SCA118941R1001	1	26.5
3	50	50	110	OT1600EM03W4P	1SCA115822R1001	1	20.5
3	50	50	110	OT1600EM03W8P	1SCA115827R1001	1	22.5
4	50	50	92	OT1600EM04W4P	1SCA118942R1001	1	24.5
4	50	50	92	OT1600EM04W8P	1SCA118944R1001	1	26.5
<b><math>I_{cw} / 1\text{ s} = 55\text{ kA}</math>, <math>I_{cw} / 0,25\text{ s} = 80\text{ kA}</math>, <math>I_{cm} = 176\text{ kA}</math> (peak)</b>							
3	55	80	176	OT2500EM03W4P	1SCA115840R1001	1	45.0
3	55	80	176	OT2500EM03W8P	1SCA115843R1001	1	47.0
4	55	80	176	OT2500EM04W4P	1SCA118943R1001	1	52.0
4	55	80	176	OT2500EM04W8P	1SCA118945R1001	1	54.0

# Ordering information

## Earthing switches and accessories



### Earthing switches

Including terminal bolt kit, a black OFF -  $\perp$  plastic handle and shaft as standard. The handle is padlockable in OFF and  $\perp$  -position

Number of poles	$I_{cw} / 1 \text{ s}$ [kA]	$I_{cw} / 0,25 \text{ s}$ [kA]	$I_{cm} \text{ peak}$ [kA]	Type	Order number	Unit/type [pcs]	Weight /unit [kg]
<b><math>I_{cw} / 1 \text{ s} = 50 \text{ kA}, I_{cm} = 110 \text{ kA}</math> (peak)</b>							
3	50	50	110	OT1000EP03P	1SCA118451R1001	1	17.0
4	50	50	92	OT1000EP04P	1SCA118452R1001	1	19.5
3	50	50	110	OT1250EP03P	1SCA118453R1001	1	17.0
4	50	50	92	OT1250EP04P	1SCA118454R1001	1	19.5
3	50	50	110	OT1600EP03P	1SCA118455R1001	1	19.0
4	50	50	92	OT1600EP04P	1SCA118456R1001	1	22.0
<b><math>I_{cw} / 1 \text{ s} = 55 \text{ kA}, I_{cw} / 0,25 \text{ s} = 80 \text{ kA}, I_{cm} = 176 \text{ kA}</math> (peak)</b>							
3	55	80	176	OT2000EP03P	1SCA118457R1001	1	42.0
4	55	80	176	OT2000EP04P	1SCA118458R1001	1	49.0
3	55	80	176	OT2500EP03P	1SCA118459R1001	1	42.0
4	55	80	176	OT2500EP04P	1SCA118460R1001	1	49.0

### Accessories

#### Mechanical interlock between OT earthing switch and OT1000...2500 switch-disconnector or E-max / T7 breaker

The operating of both the earthing switch and the switch-disconnector / breaker into ON-position at the same time is mechanically prevented by using two cables between the earthing switch and main switch or breaker.

Cable length 1370 mm

Suitable for switches	Description	Type	Order number	Delivery batch	Weight /unit [kg]
OT1000...2500_	Mechanical interlock kit	OTZL4	1SCA116554R1001	1	0.50
OT1000...2500_ & E-max/T7	Cable set, including 2 pcs 1370 mm long cables	-	1SDA062127R1	1	0.20
OT1000...2500E_	Electrical interlock kit in OFF position	OTZM4A	1SCA118510R1001	1	0.85
OT1000...2500E_	Electrical interlock kit in OFF and $\perp$ position	OTZM4L	1SCA118511R1001	1	0.85

### Coils

By installing a coil inside the housing of the interlock kit the switch can be interlocked electrically in the OFF position or both in the OFF and  $\perp$  positions. The electrical interlock works using a "closed circuit principle", meaning that when the control voltage is not connected to the coil, the switches provided with A-type interlocks cannot be turned to the  $\perp$  position and switches with L-type interlocks cannot be turned to the  $\perp$  or OFF positions.

#### AC coils

24 VAC, 60Hz	PDAL2/24AC60Hz	1SCA111350R1001	1	0.15
110 VAC, 50Hz	PDAL2/110AC50Hz	1SCA106543R1001	1	0.15
110 VAC, 60Hz	PDAL2/110AC60Hz	1SCA107100R1001	1	0.15
120 VAC, 60 Hz	PDAL2/120AC60Hz	1SCA111353R1001	1	0.15
208 VAC, 60Hz	PDAL2/208AC60Hz	1SCA107101R1001	1	0.15
230 VAC, 50Hz	PDAL2/230AC50Hz	1SCA107102R1001	1	0.15
240 VAC, 60Hz	PDAL2/240AC60Hz	1SCA111356R1001	1	0.15

#### DC coils

24 VDC	PDAL2/24DC	1SCA106542R1001	1	0.15
48 VDC	PDAL2/48DC	1SCA107103R1001	1	0.15
60 VDC	PDAL2/60DC	1SCA107104R1001	1	0.15
110 VDC	PDAL2/110DC	1SCA107105R1001	1	0.15
125 VDC	PDAL2/125DC	1SCA111338R1001	1	0.15
220 VDC	PDAL2/220DC	1SCA112503R1001	1	0.15

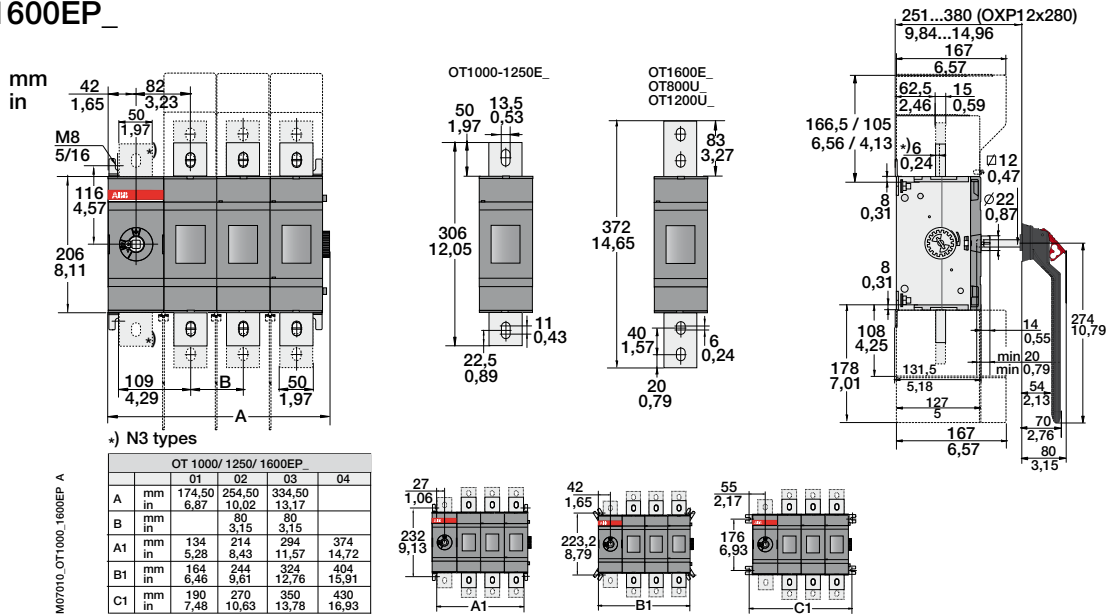
#### Technical data for the coil

Operating voltage	U=0.7...1.1xU
Operating ambient temperature	-40°C...+65°C <sup>n</sup>
Power consumption	with AC 6.5W
	with DC 9 VA

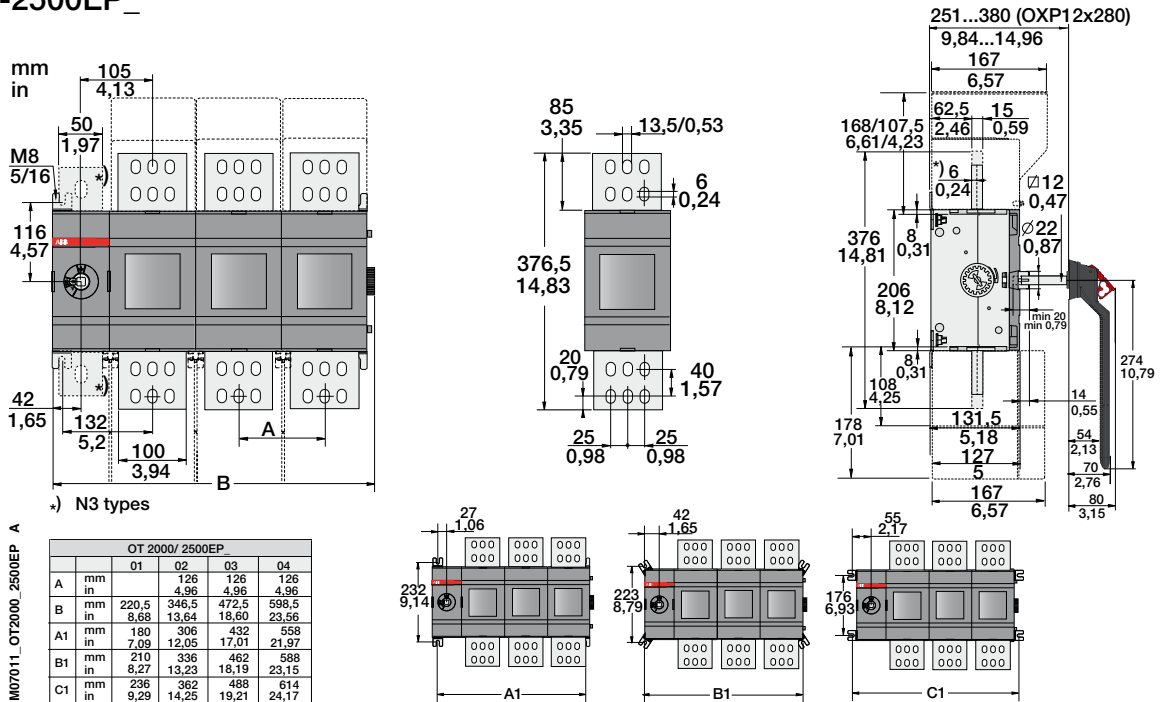


# Dimension drawings Earthing switches

## OT1000-1600EP



## OT2000-2500EP



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