

Breakers and Switches

## Switches

Switch-disconnectors
OT3200... 4000 Amperes

## Switch-disconnectors

 OT3200... 4000 Amperes

## Optimal size

ABB's switch-disconnectors from 3200... 4000 Amperes extend the existing OT range. With only a $9 \%$ increase in width, the range is extended from 2500 up to 4000 Amperes.

- A higher performance is achieved while optimizing the use of space.


## Outstanding performance

OT3200... 4000 has the best short circuit performance available in the market for this current range, according to IEC 60947-3 standard. Thanks to optimized terminal design, the power losses are very low.

Enhanced safety
OT3200... 4000 is the only switch with visible contacts available in the market.

Each pole has open/closed indication. Labels for switch and pole markings are included.

- All-time reliable position indication


## Flexible installation

Two, three and four pole versions are available. Types with wide phase distance available. OT3200... 4000 uses many of the same accessories as the existing OT2000... 2500.

Thanks to optimized terminal design, it is easy to cable the switch to other equipment.

- ABB's switch-disconnectors from 3200 to 4000 Amperes are suitable for diverse installations

With OT3200... 4000 ABB can now offer switch-disconnectors from 16 to 4000 Amperes suitable for diverse applications such as machinery, power distribution, switchboards, motor control centers or photovoltaic installations. - High performance in minimal footprint!


## Technical data

## OT3200... 4000 Amperes

Technical data according to IEC 60947-3

| Switch size |  |  | A | 3200 | 4000 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Rated insulation voltage | Pollution degree 3 | 50 Hz 1 min . | $V$ | 1000 | 1000 |
| Dielectric strength |  |  | kV | 10 | 10 |
| Rated impulse withstand voltage |  |  | kV | 12 | 12 |
| Rated thermal current in ambient $35^{\circ} \mathrm{C}$ and temporarily $40^{\circ} \mathrm{C}$ | In open air | Cu | A$\mathrm{mm}^{2}$ | $\begin{array}{r} 3200 \\ 4 \times 1000 \end{array}$ | $4000 / 3800^{11}$$5 \times 1000$ |
| ...with minimum cable or bar cross section |  |  |  |  |  |
| Rated operational voltage AC-20 and DC-20 |  |  | V | 1000 | 1000 |
| Rated operational current, AC-21B |  | up to 415 V | A | 3200 | $4000 / 3800^{2)}$ |
| Rated operational current, AC-22B |  | up to 415 V | A | 3200 | $4000 / 3800^{2)}$ |
| Rated short-time withstand current |  | 690 V 1s | kA | 60 | 60 |
| Rated short-time making capacity | Peak value $\mathrm{I}_{\text {cm }}$ | 690 V | kA <br> mm | -176 | -176 |
|  | Max. distance from switch frame |  |  |  |  |
|  | to nearest busbar / cable support |  |  | 150 | 150 |
| Power loss / pole | With rated current |  | W | 95 | $130 / 120^{3}$ |
| Mechanical endurance | Divide by two for operation cycles |  | Oper. | 5000 | 5000 |
| Weight without accessories | 3 -pole switch |  | kg | 24.7 | 28.9 |
|  | 4-pole switch |  | kg | 32.1 | 37.7 |
| Standard shaft and mounting depth | Square dimension $\times$ length of shaft |  | mm | $12 \times 280$ | $12 \times 280$ |
|  | Corresponding mounting depth |  | mm | 251-380 | 251-380 |
| Standard handle |  |  | Type | OHB 274J12 | OHB 274J12 |
| Terminal tightening torque | Counter torque required |  | Nm | 50-75 | 50-75 |
| Operating torque | Typical for 3 and 4-pole switches |  | Nm | 65 | 65 |

[^0]
## Ordering information

## Front operated switch-disconnectors



ОТ $3200 . . .4000$ E02P


OT3200...4000E03P


OT3200...4000E04P

Switch-disconnectors, base mounting

Including terminal bolt kit. In OT_P -types 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.

| Number of poles | $\mathrm{I}_{\text {th }}$ [A] | Rated operat. currents AC21B/AC22B 415V [A/A] | Type | Order number | Units/ type [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Handle and shaft have to be ordered separately |  |  |  |  |  |  |
| 2 | 3200 | 3200/3200 | OT3200E02 | 1SCA128579R1001 | 1 | 22.3 |
| 3 | 3200 | 3200/3200 | OT3200E03 | 1SCA128480R1001 | 1 | 29.7 |
| 4 | 3200 | 3200/3200 | OT3200E04 | 1SCA128479R1001 | 1 | 37.1 |
| 2 | 3800 | 3800/3800 | OT4000E02 | 1SCA128596R1001 | 1 | 25.4 |
| 3 | 3800 | 3800/3800 | OT4000E03 | 1SCA124847R1001 | 1 | 33.9 |
| 4 | 3800 | 3800/3800 | OT4000E04 | 1SCA124855R1001 | 1 | 42.7 |
| Delivery includes handle and shaft |  |  |  |  |  |  |
| 2 | 3200 | 3200/3200 | OT3200E02P | 1SCA128581R1001 | 1 | 23.0 |
| 3 | 3200 | 3200/3200 | OT3200E03P | 1SCA128481R1001 | 1 | 30.7 |
| 4 | 3200 | 3200/3200 | OT3200E04P | 1SCA128482R1001 | 1 | 38.1 |
| 2 | 3800 | 3800/3800 | OT4000E02P | 1SCA128595R1001 | 1 | 26.0 |
| 3 | 3800 | 3800/3800 | OT4000E03P | 1SCA124848R1001 | 1 | 34.9 |
| 4 | 3800 | 3800/3800 | OT4000E04P | 1SCA124856R1001 | 1 | 43.7 |

Shafts and handles included as standard

| Suitable for switches | Included shaft | Included handle | Included terminal bolts |
| :--- | :--- | :--- | :--- |
| OT3200 ..4000E02 ...04 | - | - | M12×60 |
| OT3200 ..4000E02...04P | OXP12X280 | OHB274J12 | M12×60 |

## Ordering information

## Accessories



OTV1000EK


YASDA35

Pistol type handles, for base mounted switches

IP65, NEMA 1, 3R, 12, padlockable with three padlocks in OFF-position, door interlock in ONposition. Screw fixing from the back side of the handle. No screws on the front ensures double insulation. The type and the ordering numbers are for one piece. NEMA 4, $4 x$ pistol handles available on request. Handles padlockable in all positions available on request.

| Colour | Handle length [mm] | Suitable for switches | Type | Order number | Delivery batch [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| For shaft diameter 12 mm , indication OHB and OHY: I-0, ON-OFF, in types OHG: I-0 |  |  |  |  |  |  |
| Black | 274 | OT3200... 4000 | OHB274J12 | 1SCA115920R1001 | 25 | 0.54 |
| Red-yellow | 274 | 0T3200... 4000 | OHY274J12 | 1SCA115919R1001 | 25 | 0.54 |
| Black | 330 | OT3200... 4000 | OHB330J12 | 1SCA115922R1001 | 25 | 0.58 |
| Red-yellow | 330 | OT3200... 4000 | OHY330J12 | 1SCA115921R1001 | 25 | 0.58 |
| For shaft diameter 12 mm , indication: Test-0FF-ON/Test-0-I |  |  |  |  |  |  |
| Black | 274 | OT3200... 4000 | OHB274J12T | 1SCA120250R1001 | 25 | 0.54 |
| Black | 330 | OT3200... 4000 | OHB330J12T | 1SCA120252R1001 | 25 | 0.58 |

Direct mounting handles, for base mounted switches
Includes a shaft and a mechanism cover. Indication Test-OFF-ON/Test-O-I.
Padlockable with three padlocks in OFF-position.

| Colour | Handle <br> length <br> [mm] | Suitable for switches | Type | Order number | Units/ <br> type <br> [pcs] | Weight/ unit <br> [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Black | 274 | OT3200... 4000 | OTV1000EK | 1SCA106608R1001 | 1 | 0.75 |

Metallic handles, for base mounted switches

| Colour | Handle length [mm] | Suitable for switches | Type | Order number | Units/ type [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |

For shaft diameter 12 mm, IP65, NEMA 1, 3R, 4, 4x, 12
Indication I-0, padlockable with 3 padlocks in OFF-position, door interlock in ON-position.

| Black | 320 | OT3200 $\ldots 4000$ | YASDA35 | 1SCA104400R1001 | 1 | 0.80 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

[^1]
## Ordering information

## Accessories



OXP12X_-45


OHZX10


OHZX14


## OXT20X210X



OETLZX95

Shafts
Wide versions OT3200...4000_W_: with shafts over 325 mm , shaft tube OXT20X210X must be used.

| Shaft length [mm] | $\begin{aligned} & \mathrm{H} \\ & {[\mathrm{~mm}]} \end{aligned}$ | Suitable for switches | Type | Order number | Delivery batch [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Shaft diameter 12 mm |  |  |  |  |  |  |
| 280 | 251... 380 | OT3200... 4000 | OXP12X280 | 1SCA022137R5140 | 1 | 0.30 |
| 325 | 296... 425 | 0T3200... 4000 | OXP12X325 | 1SCA022042R5810 | 1 | 0.36 |
| 395 | 366... 495 | 0T3200... 4000 | OXP12X395 | 1SCA022042R5990 | 1 | 0.43 |
| 465 | 436... 565 | OT3200... 4000 | OXP12X465 | 1SCA022042R6020 | 1 | 0.51 |
| 535 | 506... 635 | OT3200... 4000 | OXP12X535 | 1SCA022042R6110 | 1 | 0.59 |
| Twisted shafts, diameter 12 mm , the shaft position is rotated 45 degrees |  |  |  |  |  |  |
| 280 | 256... 385 | OT3200... 4000 | OXP12X280-45 | 1SCA022382R0800 | 1 | 0.30 |
| 325 | 301... 430 | OT3200... 4000 | OXP12X325-45 | 1SCA022304R4450 | 1 | 0.36 |
| 395 | 371... 500 | OT3200... 4000 | OXP12X395-45 | 1SCA022749R0640 | 1 | 0.43 |
| 465 | 441... 570 | OT3200... 4000 | OXP12X465-45 | 1SCA022423R1770 | 1 | 0.51 |
| 535 | 511... 640 | OT3200... 4000 | OXP12X535-45 | 1SCA022723R2940 | 1 | 0.59 |

Shaft alignment ring
Improves the handle operation if a handle and a shaft have been poorly aligned. The type and the ordering numbers are for one piece.

| Colour | Type | Order number | Delivery batch [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| For pistol type handles $0 \mathrm{OH} \_274 \mathrm{~J} 12$ |  |  |  |  |
| Black | OHZX10 | 1SCA022661R3610 | 10 | 0.23 |

Extension ring for pistol type handles
Improves the handle operation, if a handle and a shaft have been poorly aligned.

| Colour | Suitable for handle | Type | Order number | Delivery batch [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Black | OHB_ | OHZX14 | 1SCA022851R6590 | 1 | 0.06 |

Shaft support for long shafts

| Suitable for switches | Type | Order number | Delivery batch [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| Shaft tube |  |  |  |  |
| For switch-disconnectors with wide phase distance ( 140 mm or 185 mm ). Supporting 12 mm shafts longer than 325 mm . |  |  |  |  |
| OT3200... 4000 | OXT20X210X | 1SCA103684R1001 | 1 | 1.50 |

Shaft extension socket
For extending the shaft of combination attachment.

| Shaft diameter [mm] | Type | Order number | Delivery batch [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| 12 | OETLZX95 | 1SCA022083R5620 | 1 | 0.04 |

## Ordering information

## Accessories

Auxiliary contact blocks, IP20
Contact numbering according to EN 50013. The type and and the ordering numbers are for one piece.

| Suitable for switches | Function | Type | Order number | Delivery batch ${ }^{2}$ ) [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 0T3200... 4000 | 1N0 | OA1G10 | 1SCA022353R4970 | 10 | 0.03 |
| OT3200... 4000 | 1N0 | OA1G10AU ${ }^{1}$ | 1SCA022436R7910 | 10 | 0.03 |
| 0T3200... 4000 | 1 NC | OA3G01 | 1SCA022456R7410 | 10 | 0.03 |
| OT3200... 4000 | 1NC | OA3G01AU ${ }^{1}$ | 1SCA022819R5260 | 10 | 0.03 |

Mounting under the mechanism cover
Max 4 test indication contacts +6 test contacts +2 early operation test contacts.
The "test" contacts operate in ON- and OFF-positions as well as when the handle is turned to TEST-position $=45$ degrees over the OFFposition. The "test indication" 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. See the "Handles". The test contacts can be used as standard auxiliary contacts as well.

| Function table of 0T3200...4000 auxiliary contacts: |  |  |  |
| :--- | :--- | :--- | :--- |
| Handle <br> position |  | Main contacts | Aux. / Test contacts |
| Test |  |  | N.0. |

## Module for auxiliary contacts

Screw mounting to the left side of the switch

| Suitable for switches | Type | Order number | Units/ type [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| OT32000...4000 | OEA28 | 1SCA022714R8810 | 1 | 0.04 |

Performance data of auxiliary contacts according to IEC 60947-5-1

| For 0A1G_, 0A3G_ |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ue/[V] | AC15 |  | DC12 |  | DC13 |  |
|  | le/[A] | Ue/[V] | Ie/[A] | P/[W] | le/[A] | P/[W] |
| 230 | 6 | 24 | 10 | 240 | 2 | 50 |
| 400 | 4 | 72 | 4 | 290 | 0.8 | 60 |
| 415 | 4 | 125 | 2 | 250 | 0.55 | 70 |
| 690 | 2 | 250 | 0.55 | 140 | 0.27 | 70 |
|  |  | 440 | 0.1 | 44 |  |  |


| For OA1G_, OA2G_, OA3G_ |  |
| :--- | :--- |
| $\mathrm{U}_{/} /[\mathrm{V}]$ | 690 |
| $\mathrm{U}_{\text {imp }} /[\mathrm{kV}]$ | 4 |
| Pollution degree | 3 |
| $\mathrm{I}_{\text {th }} /[\mathrm{A}]$ | 16 |
| Cable size | $1 . .2 \times 0.75 \ldots . . .2 .5 \mathrm{~mm}^{2}$ |
| Maximum fuse | $16 \mathrm{~A} / \mathrm{gG}$ |
| NEMA | A600, R300, wire size: $18-14 \mathrm{AWG}, 1(2)$ |

[^2]
## Ordering information

## Accessories



OXN1250T


OTS4000G1_


OZXB3K


OZXB4K


OZXB5K

Fourth poles
Mountable on the side of the switch. The type and the ordering numbers are for one piece.

| Suitable for switches | Type | Order number | Delivery batch [pcs] | Weight unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| Simultaneous function with the main contacts |  |  |  |  |
| OT3200... 4000 | OTZ4000E | 1SCA128807R1001 | 1 | 8.4 |

Neutral links

| Suitable for switches | $\begin{aligned} & \mathrm{I}_{\mathrm{th}} \\ & {[\mathrm{~A}]} \end{aligned}$ | Type | Order number | Units/ <br> type <br> [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Detachable, mountable separately to the base plate |  |  |  |  |  |
| OT3200... 4000 | 1250 | OXN1250T | 1SCA104162R1001 | 1 | 2.2 |
| Mountable separately to the base plate |  |  |  |  |  |
|  | 1000 | OESAZX160 | 1SCA022186R3960 | 1 | 1.0 |

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

| Suitable for switches | Description | Type | Order number | Units/ type [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: |
| For 3-pole switches |  |  |  |  |  |
| 0T3200... 4000 | Long type | OTS4000G1L/3 | 1SCA129042R1001 | 3 | 1.0 |
| 0T3200... 4000 | Short type | OTS4000G1S/3 | 1SCA129044R1001 | 3 | 1.2 |
| For 4-pole switches |  |  |  |  |  |
| OT3200... 4000 | Long type | OTS4000G1L/4 | 1SCA129043R1001 | 4 | 1.4 |
| 0T3200... 4000 | Short type | OTS4000G1S/4 | 1SCA129045R1001 | 4 | 1.6 |

Terminal shrouds for terminal clamps
Snap-on mounting, transparent plastic, IP2X.

| Suitable for terminal clamps | Type | Order number | Units/ <br> type <br> [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| OZXB3, 4 | OZXB3K | 1SCA022264R0440 | 3 | 0.20 |
| OZXB5, 6 | OZXB4K | 1SCA022199R2850 | 3 | 0.24 |
| OZXB7L | OZXB5K | 1SCA022283R8040 | 3 | 0.13 |

## Ordering information <br> Accessories



OTB4000/6


OZXB3, 5


OZXB4, 6


OZXB7L


OETLZW15

Phase separators
Grey plastic plate for maintaining 1" clearance between the phases without terminal shrouds. Snap-on mounting.

| Suitable for switches | Type | Order number | Units/ type [pcs] | Weight/ <br> type <br> [kg] |
| :---: | :---: | :---: | :---: | :---: |
| OT3200...4000, 3- and 4-pole | OTB4000/6 | 1SCA129040R1001 | 6 | 0.80 |

Terminal clamps
Terminal clamp sets for AI- and Cu-cables.

| Suitable for switches | Cable cross section [ $\mathrm{mm}^{2}$ ] | Suitable shroud | Type | Order number | Units/ type [pcs] | Delivery batch [pcs] | Weight/ unit <br> [kg] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| OZXB type AI/Cu connectors made of stainless steel |  |  |  |  |  |  |  |
| OT3200... 4000 | 95... 185 | OTS4000_L | OZXB3 | 1SCA022136R8100 | 3 | 1 | 1.28 |
| OT3200... 4000 | 95.. 185 | OTS4000_L | OZXB3/1 | 1SCA022194R0620 | 1 | 20 | 0.13 |
| 0T3200... 4000 | 2x(95...185) | OTS4000_L | OZXB4 | 1SCA022137R4760 | 3 | 1 | 0.43 |
| 0T3200... 4000 | 2x(95...185) | OTS4000_L | OZXB4/1 | 1SCA022194R0890 | 1 | 20 | 0.60 |
| 0T3200... 4000 | 120... 300 | OTS4000_L | OZXB5 | 1SCA022137R2470 | 3 | 1 | 2.22 |
| 0T3200... 4000 | 120... 300 | OTS4000_L | OZXB5/1 | 1SCA022194R1010 | 1 | 20 | 0.80 |
| OT3200... 4000 | 2x(120...300) | OTS4000_L | OZXB6 | 1SCA022137R4920 | 3 | 1 | 3.03 |
| OT3200... 4000 | 2x(120...300) | OTS4000_L | OZXB6/1 | 1SCA022194R1270 | 1 | 20 | 1.00 |
| OT3200... 4000 | 120... 240 | OTS4000_L | OZXB7L | 1SCA022185R7130 | 3 | 1 | 1.20 |
| OT3200... 4000 | 120... 240 | OTS4000_L | 0ZXB7L/1 | 1SCA022194R1600 | 1 | 20 | 0.39 |

Included bolt sets:
OT3200...4000, OZXE14, M12x60, 24 pcs/package
Conversion kits / 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). The standard handle and shaft of one of the combined switches can be used.

| Suitable <br> for <br> switches | Shaft <br> distance <br> $[\mathrm{mm}]$ |  |  | Units/ | Weight/ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| OT3200...4000 | 500 | Type | Order number | type | unit |

## Ordering information

## Accessories



OETLZW5


OTZT4

Cam attachment for Castell, Lowe \& Fletcher and Ronis interlock
Cam attachment for Castell, Lowe \& Fletcher or Ronis interlock. Lock, handle or shaft not included. Mounting to OXP-shaft, works together with OH-door handle and a shaft. This accessory is mounted to the operating shaft of the switch and therefore only compatible with external handles

| Suitable for switches | Type | Order number | Units/ type [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| OT3200... 4000 | OETLZW5 | 1SCA022052R3900 | 1 | 0.14 |

Mechanism interlock kits and electrical interlocks
OT3200... 4000 switch-disconnectors can be interlocked in the OFF-position using padlocks or a mechanical interlock kit mounted on the mechanism. The diameter of the lock bail can be max dia. 8 mm.

| Suitable for switches | Type | Order number | Units/ type [pcs] | Weight/ unit [kg] |
| :---: | :---: | :---: | :---: | :---: |
| Interlocking in the OFF-position |  |  |  |  |
| 0T3200... 4000 | OTZT4A | 1SCA106526R1001 | 1 | 1.15 |
| Interlocking in the OFF- and ON-positions |  |  |  |  |
| OT3200... 4000 | OTZT4L | 1SCA106531R1001 | 1 | 1.15 |

## Ordering information <br> Accessories

Coils for OTZT4_ electrical interlocks
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 ON-positions. The electrical interlock works using the "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 ON-position and switches with L-type interlocks cannot be turned to the ON- or OFF- positions.

| Suitable for switches | Type | Order number | Units/ type [pcs] | Weight/ unit <br> [kg] |
| :---: | :---: | :---: | :---: | :---: |
| AC coils |  |  |  |  |
| 24 VAC, 60 Hz | PDAL2/24AC60Hz | 1SCA111350R1001 | 1 | 0.15 |
| 110 VAC, 50 Hz | PDAL2/110AC50Hz | 1SCA106543R1001 | 1 | 0.15 |
| 110 VAC, 60 Hz | PDAL2/110AC60Hz | 1SCA107100R1001 | 1 | 0.15 |
| 120 VAC, 60 Hz | PDAL2/120AC60Hz | 1SCA111353R1001 | 1 | 0.15 |
| $208 \mathrm{VAC}, 60 \mathrm{~Hz}$ | PDAL2/208AC60Hz | 1SCA107101R1001 | 1 | 0.15 |
| $230 \mathrm{VAC}, 50 \mathrm{~Hz}$ | PDAL2/230AC50Hz | 1SCA107102R1001 | 1 | 0.15 |
| $240 \mathrm{VAC}, 60 \mathrm{~Hz}$ | 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 | ISCA111338R1001 | 1 | 0.15 |
| 220 VDC | PDAL2/220DC | 1SCA112503R1001 | 1 | 0.15 |

Technical data for the coil

| Operating voltage |  | $\mathrm{U}=0.7 . .1 .1 \times \mathrm{Un}$ |
| :---: | :---: | :---: |
| Operating ambient temperature |  | $-40^{\circ} \mathrm{C} . . .65^{\circ} \mathrm{C}$ |
| Power consumption | with AC | 6.5 W |
|  | with DC | 9 VA |

## Dimension drawings

OT3200_4000E01-04


## Contact us




[^0]:    ${ }^{11}$ ) The rated thermal current for wide phase distance types, OT_W_ is 4000 Amperes. The rated thermal current for OT_ types without wide phase distance is 3800 Amperes.
    ${ }^{2}$ ) The rated operational current for wide phase distance types, OT_ $W_{-}$is 4000 Amperes. The rated operational current for OT_ types without wide phase distance is 3800 Amperes.
    ${ }^{3)}$ Power loss per pole for wide phase distance types, OT_W_ is 130 W . Power loss per pole for OT_ types without wide phase distance is 120 W .

[^1]:    Door interlocking in ON-position means that the door can not be opened, when the handle is in ON-position.
    This can be defeated in IP65 types to allow authorized personnel access for inspection.

[^2]:    ${ }^{1}$ ) Types _AU are gold plated for extremely difficult circumstances and low voltages
    2) Auxiliary contacts OA1G10 are available in larger packing as well. A bulk package includes 50 switches.

    Type number: OA1G01/B50.
    Early break type auxiliary contacts means that in the switches, the NO aux.contacts break before the main contacts open.

