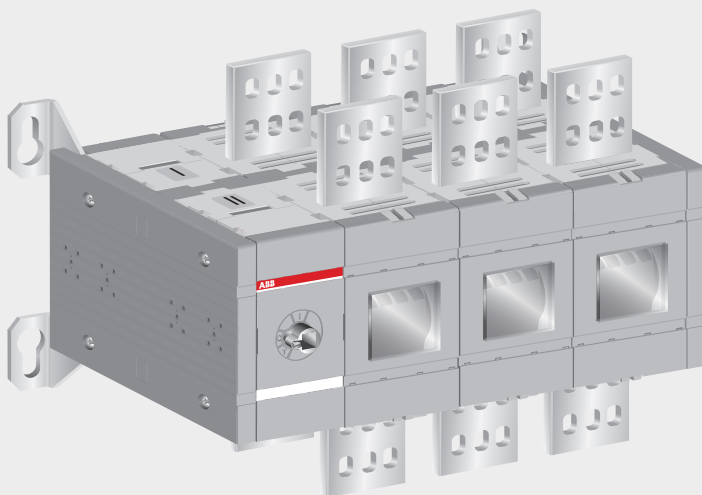


—  
INSTALLATION INSTRUCTION

## Switch Disconnectors

### OT2000-2500\_C



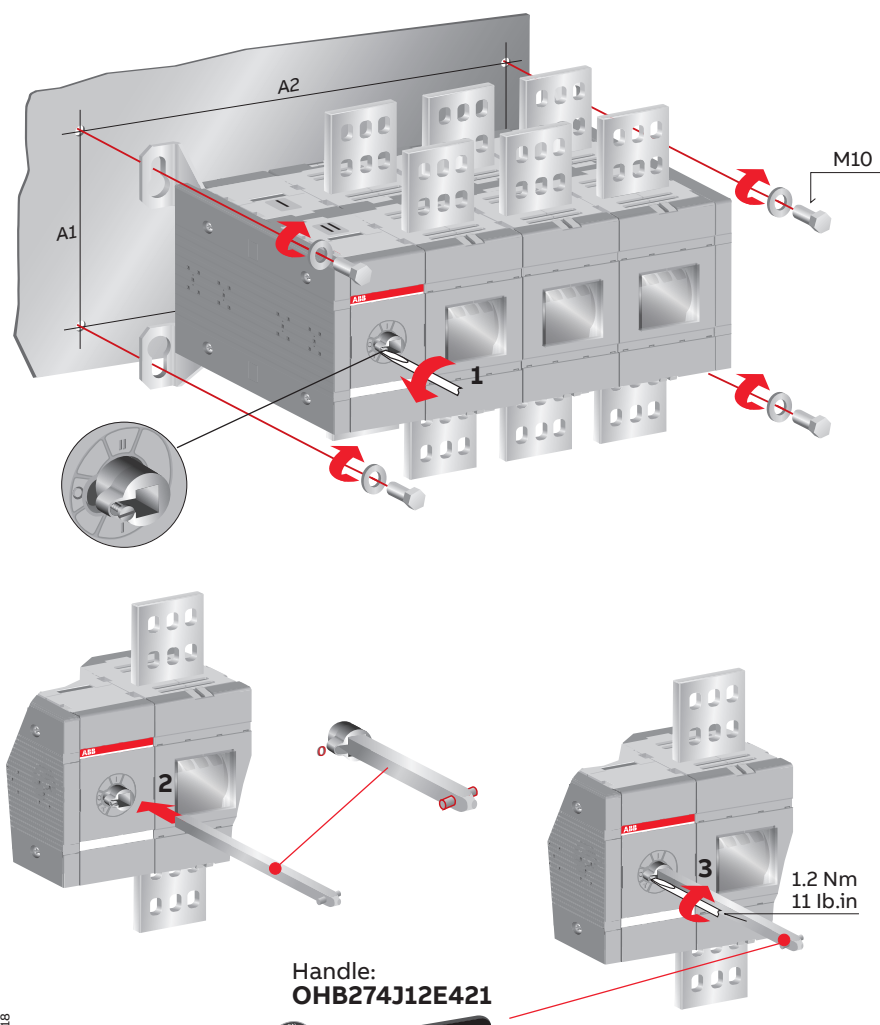
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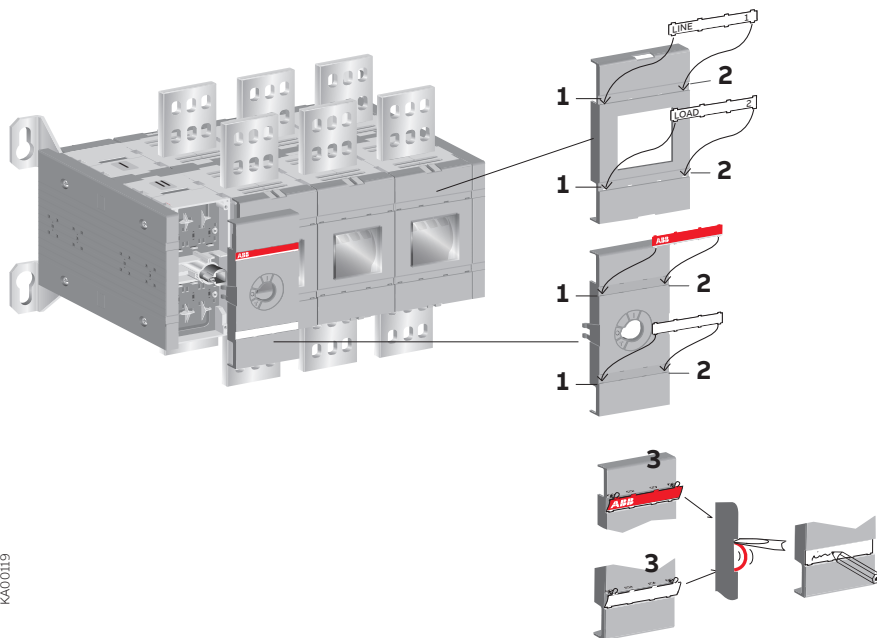
|       |                          |
|-------|--------------------------|
| 03    | Installation             |
| 02    | Labels                   |
| 05    | Terminal clamps OZX_     |
| 06    | Terminal shrouds OTS_    |
| 07    | Phase separators OTB_    |
| 08    | Clearances per UL        |
| 09    | Auxiliary contacts OA_   |
| 10    | Interlocking OTZC        |
| 11    | Direct mount handle OTV_ |
| 12–13 | Dimension drawings       |
| 15    | Warning table            |

# Installation

## OT1600-2500\_C



# Labels



K400119

# Terminal clamps

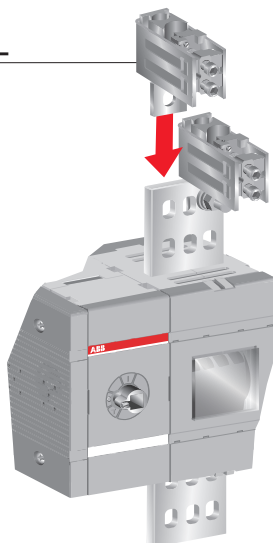
OZX\_

**OT2000-2500\_C\_**

OZXB3  
OZXB4  
OZXB5  
OZXB6  
OZXB7L

**OT1600U\_C**

OZXA2000  
OZXA2006

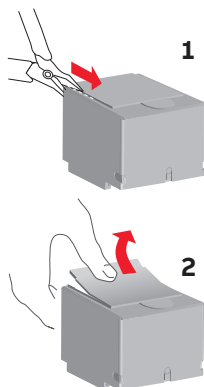


K-A00123

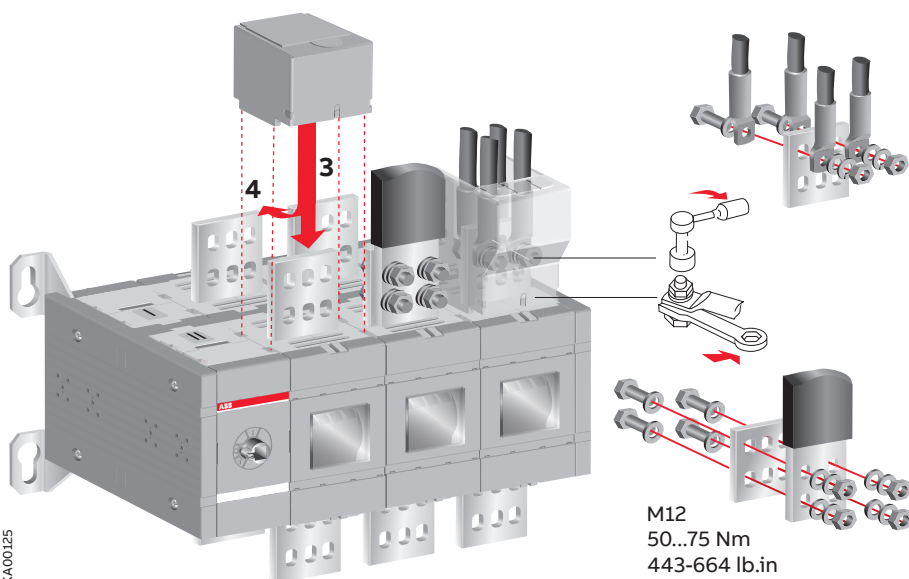
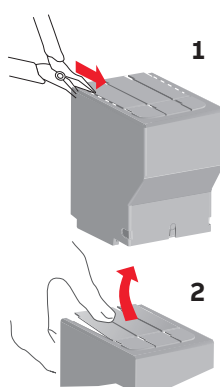
# Terminal shrouds

OTS\_

OTS2500<sup>G</sup>1S



OTS2500<sup>G</sup>1L

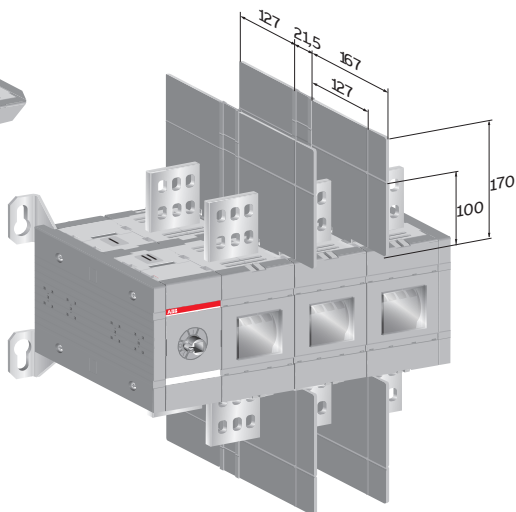
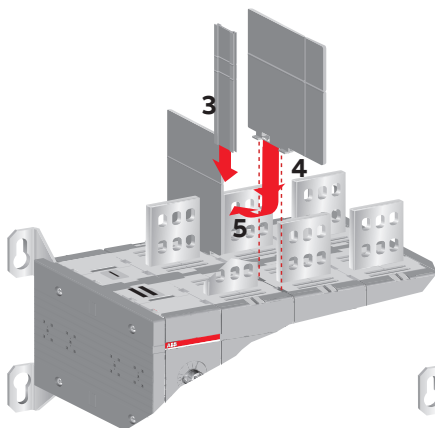
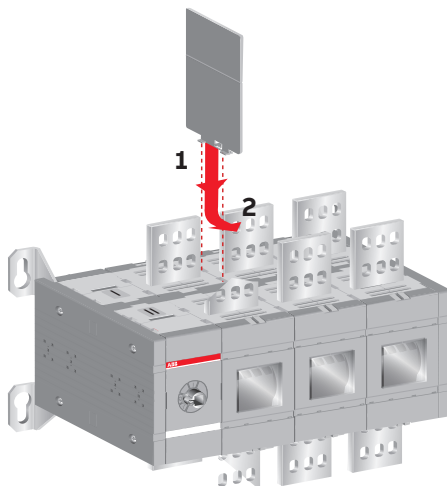


# Phase separators

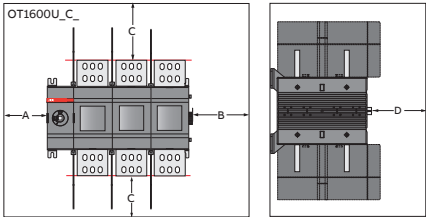
## OTB\_

If voltage > 415V  
barriers 68912 must be  
used on OT2000-2500E\_C.  
Barriers 68912 or shrouds must  
be used on OT1600U\_C to  
maintain 1" clearance, if lugs  
are wider than  
100 mm (3.94 in).

Type for  
package  
of 6 barriers  
is OTB1600/6C.



# Clearances per UL98



Minimum enclosure size or equivalent volume

| Current | Height  | Width  | Depth  |
|---------|---------|--------|--------|
|         | 1200 mm | 750 mm | 400 mm |
|         | 47 in   | 30 in  | 16 in  |

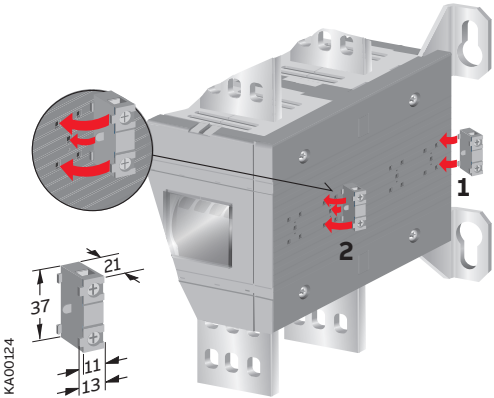
| A | B              | D              |
|---|----------------|----------------|
| 0 | 13 mm / 0.5 in | 13 mm / 0.5 in |

| AWG     | C              | MCM | C               |
|---------|----------------|-----|-----------------|
| 2       | 100 mm<br>4 in | 250 | 200 mm<br>8 in  |
| 1       | 100 mm<br>4 in | 300 | 250 mm<br>10 in |
| 1/0     | 125 mm<br>5 in | 350 | 300 mm<br>12 in |
| 2/0     | 150 mm<br>6 in | 400 | 330 mm<br>13 in |
| 3/0-4/0 | 175 mm<br>7 in | 500 | 356 mm<br>14 in |
|         |                | 600 | 381 mm<br>15 in |



# Auxiliary contacts

OA\_



KA00124

21

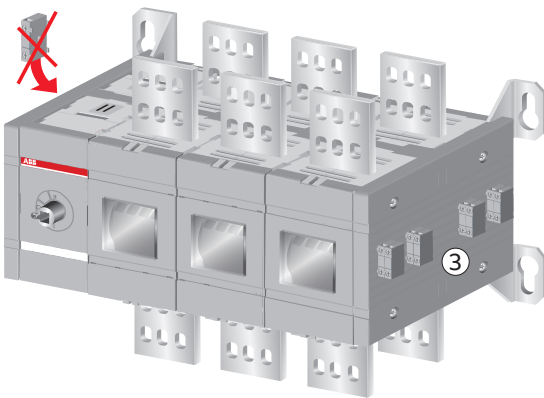
37

11

13

1

2

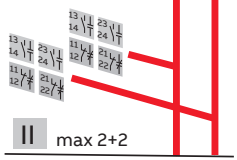


A10

3

**I** max 2+2

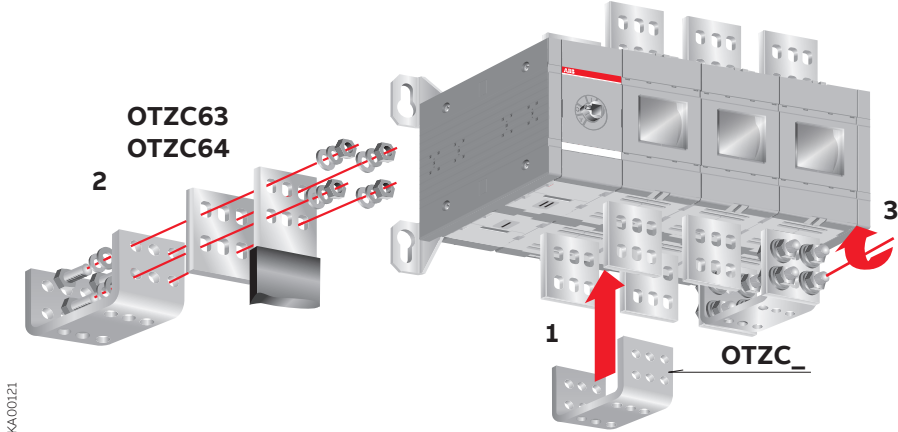
|    | OA 1G10 | OA 3G01 |
|----|---------|---------|
| I  |         |         |
| O  |         |         |
| II |         |         |



**II** max 2+2

|    | OA 1G10 | OA 3G01 |
|----|---------|---------|
| I  |         |         |
| O  |         |         |
| II |         |         |

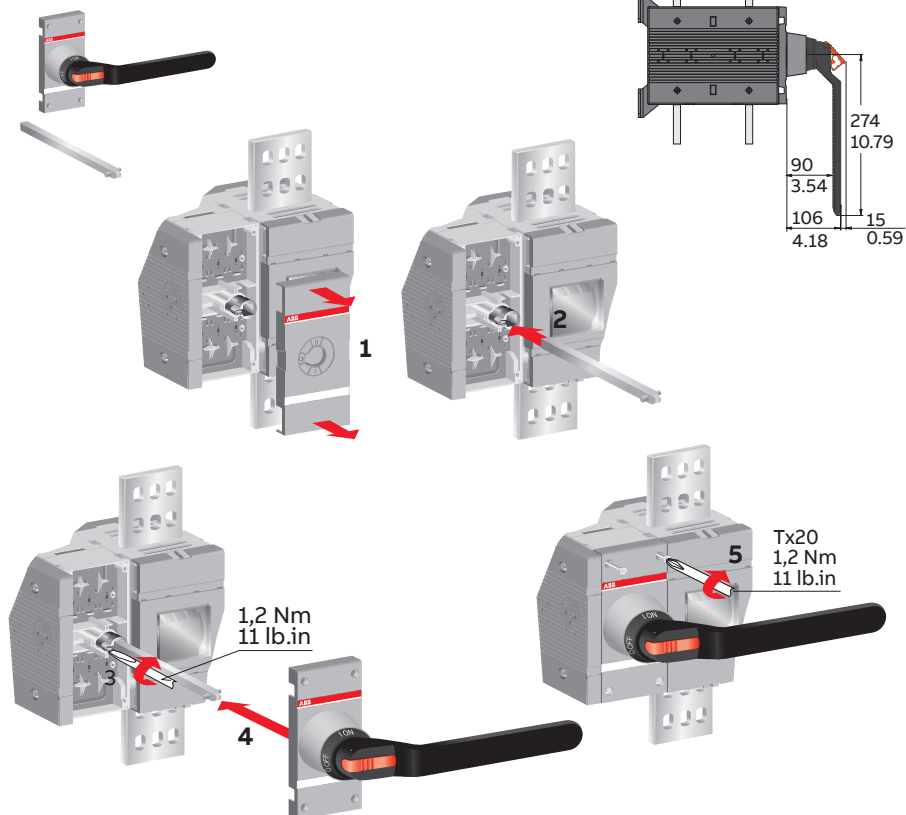
**Inerlocking**  
**OTZC**



# Direct mount handle

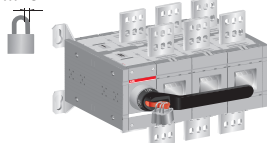
OTV\_

## OTV1000ECK



## Locking

Ø5...10mm

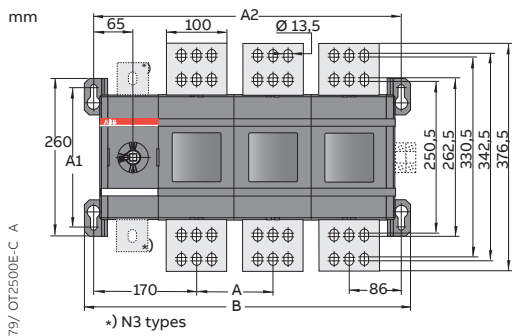


Note: Use protection against direct contact.  
For example:



# Dimension drawings

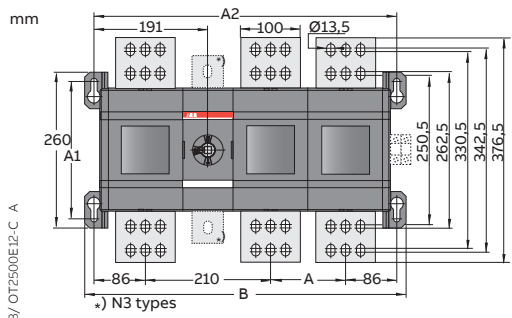
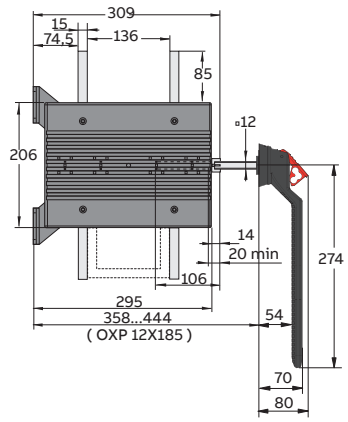
## OT2000-2500E\_C



M00179/ OT2500E\_C - A

OT 2500E\_C

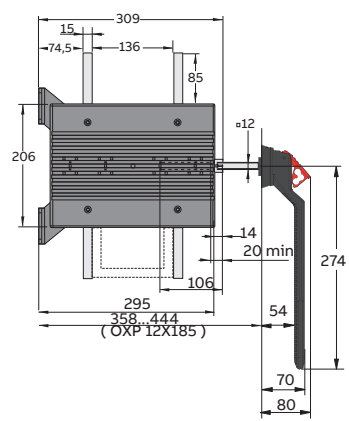
|    | E02 | E03 | E04 |
|----|-----|-----|-----|
| A  | 126 | 126 | 126 |
| A1 | 230 | 230 | 230 |
| A2 | 382 | 508 | 634 |
| B  | 412 | 538 | 664 |



M00178/ OT2500E12-C - A

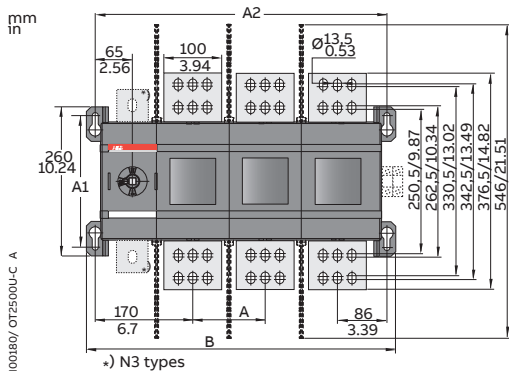
OT2500E\_C

|    | E12 | E13 | E22 |
|----|-----|-----|-----|
| A  | 126 | 126 | 126 |
| A1 | 230 | 230 | 230 |
| A2 | 508 | 634 | 634 |
| B  | 538 | 664 | 664 |



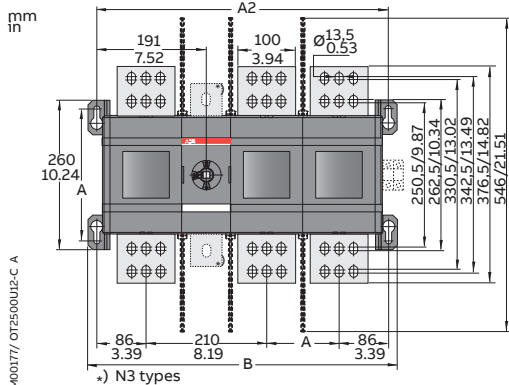
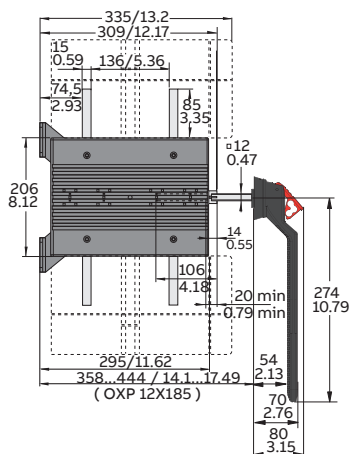
# Dimension drawings

## OT1600U\_C



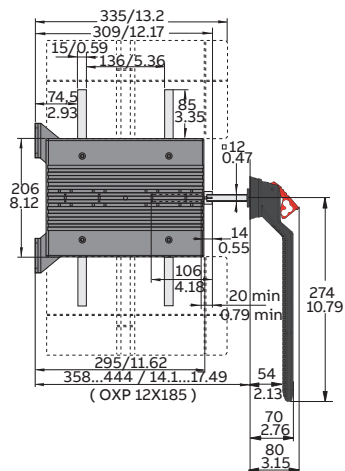
### OT 1600U\_C

|    | U02         | U03         | U04         |
|----|-------------|-------------|-------------|
|    | mm / in     | mm / in     | mm / in     |
| A  | 126 / 4.94  | 126 / 4.94  | 126 / 4.94  |
| A1 | 230 / 9.06  | 230 / 9.06  | 230 / 9.06  |
| A2 | 382 / 15.05 | 508 / 20.01 | 634 / 24.98 |
| B  | 412 / 16.23 | 538 / 21.2  | 664 / 26.16 |



### OT 1600U\_C

|    | U12         | U13         | U22         |
|----|-------------|-------------|-------------|
|    | mm / in     | mm / in     | mm / in     |
| A  | 126 / 4.96  | 126 / 4.96  | 126 / 4.96  |
| A1 | 230 / 9.06  | 230 / 9.06  | 230 / 9.06  |
| A2 | 508 / 20.01 | 634 / 24.98 | 634 / 24.98 |
| B  | 538 / 21.20 | 664 / 26.16 | 664 / 26.16 |







|           |                                                                                                                               |
|-----------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>BG</b> | Внимание! Опасно напряжение! Да се монтира само от лице с електротехническа квалификация.                                     |
| <b>CN</b> | 警告！电压危险！只能由专业电工进行安装。                                                                                                          |
| <b>CZ</b> | Varování! Nebezpečné napětí! Montáž smí provádět výhradně elektrotechnik!                                                     |
| <b>DA</b> | Advarsel! Farlig elektrisk spænding! Installation må kun foretages af personer med elektroteknisk ekspertise.                 |
| <b>DE</b> | Warnung! Gefährliche Spannung! Installation nur durch elektrotechnische Fachkraft.                                            |
| <b>EL</b> | Προειδοποίηση! Υψηλή τάση! Η εγκατάσταση πρέπει να γίνεται μόνο από εξειδικευμένους ηλεκτροτεχνικούς.                         |
| <b>EN</b> | Warning! Hazardous voltage! Installation by person with electrotechnical expertise only.                                      |
| <b>ES</b> | ¡Advertencia! ¡Tensión peligrosa! La instalación deberá ser realizada únicamente por electricistas especializados.            |
| <b>ET</b> | Hoiatus! Ohtlik pinge. Paigaldada võib ainult elektrotehnika-alane ekspert.                                                   |
| <b>FI</b> | Varoitus! Vaarallinen jännite! Asennuksen voi tehdä vain sähköalan ammattihenkilö.                                            |
| <b>FR</b> | Avertissement! Tension électrique dangereuse! Installation uniquement par des personnes qualifiées en électrotechnique.       |
| <b>HR</b> | Upozorenje! Opasan napon! Postavljati smije samo elektrotehnički stručnjak.                                                   |
| <b>HU</b> | Figyelmeztetés! Veszélyes feszültség! Csak elektrotechnikai tapasztalattal rendelkező szakember helyezheti üzembe.            |
| <b>IE</b> | Rabhadh! Voltas guaiseach! Ba chóir do dhuine ag a bhfuil saineolas leictreicniúil, agus an té sin amháin, é seo a shuiteáil. |
| <b>IT</b> | Avvertenza! Tensione pericolosa! Fare installare solo da un elettricista qualificato.                                         |
| <b>LT</b> | Dėmesio! Pavojinga įtampa! Dirbti leidžiama tik elektrotechniko patirties turintiems asmenims.                                |
| <b>LV</b> | Uzmanību! Bīstami - elektrība! Montāžas darbus drīkst veikt tikai personas, kurām ir atbilstošas elektrotehniskās zināšanas.  |
| <b>MT</b> | Twissija! Vultaġġ perikoluż! Għandu jiġi installat biss minn persuna b'kompetenza elettroteknika.                             |
| <b>NL</b> | Waarschuwing! Gevaarlijke spanning! Mag alleen geïnstalleerd worden door een deskundige elektrotechnicus.                     |
| <b>NO</b> | Advarsel! Farlig spenning! Montering skal kun utføres av kvalifiserte personer med elektrokompetanse.                         |
| <b>PL</b> | Ostrzeżenie! Niebezpieczne napięcie! Instalacji może dokonać wyłącznie osoba z fachową wiedzą w dziedzinie elektrotechniki.   |
| <b>PT</b> | Aviso! Tensão perigosa! A instalação só deve ser realizada por um electricista especializado.                                 |
| <b>RO</b> | Avertizare! Tensiune periculoasă! Instalarea trebuie efectuată numai de către o persoană cu experiență în electrotehnică.     |
| <b>RU</b> | Осторожно! Опасное напряжение! Монтаж должен выполняться только специалистом-электриком.                                      |
| <b>SE</b> | Varning! Farlig spänning! Installation får endast utföras av en elektriker.                                                   |
| <b>SK</b> | Varovanie! Nebezpečné napätie! Montáž môže vykonávať iba skúsený elektrotechnik.                                              |
| <b>SL</b> | Opozorilo! Nevarna napetost! Vgradnjo lahko opravi le oseba z elektrotehničnim strokovnim znanjem.                            |



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## Contact us

### **ABB Oy**

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Finland

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