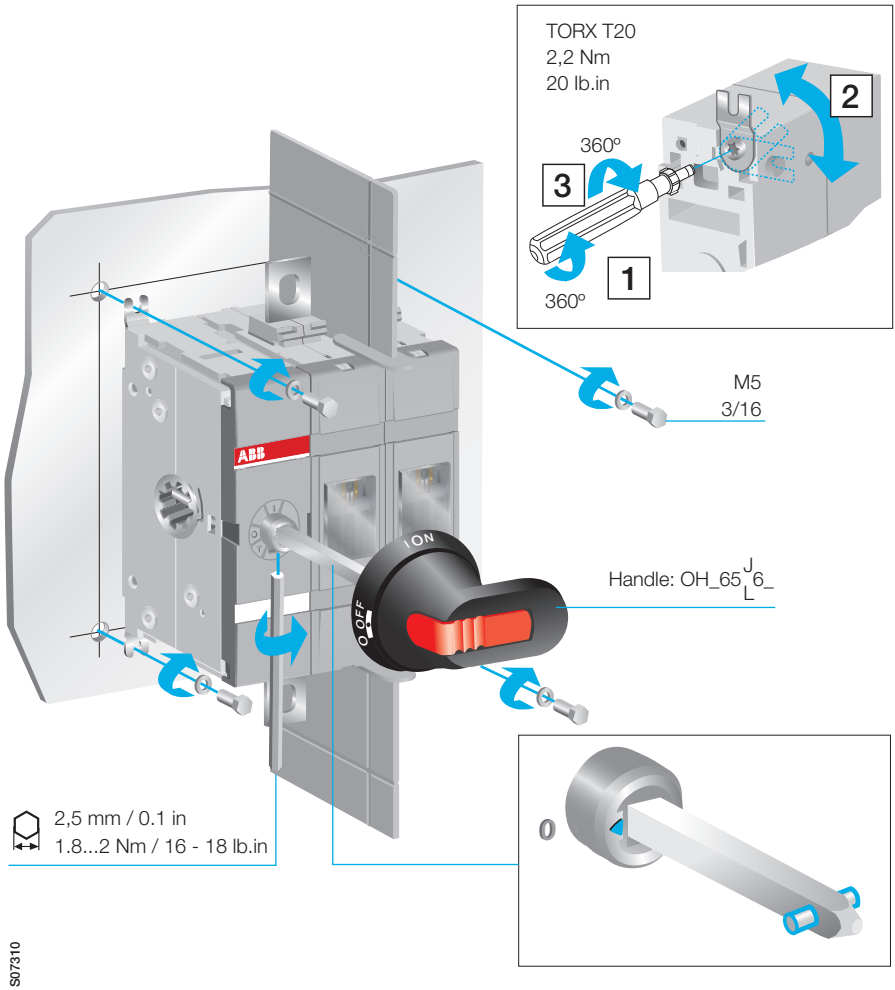
34OTDC200-250 rev. F / 1SCC301081M0206

# OTDC100-250
# Installation instruction

**1**

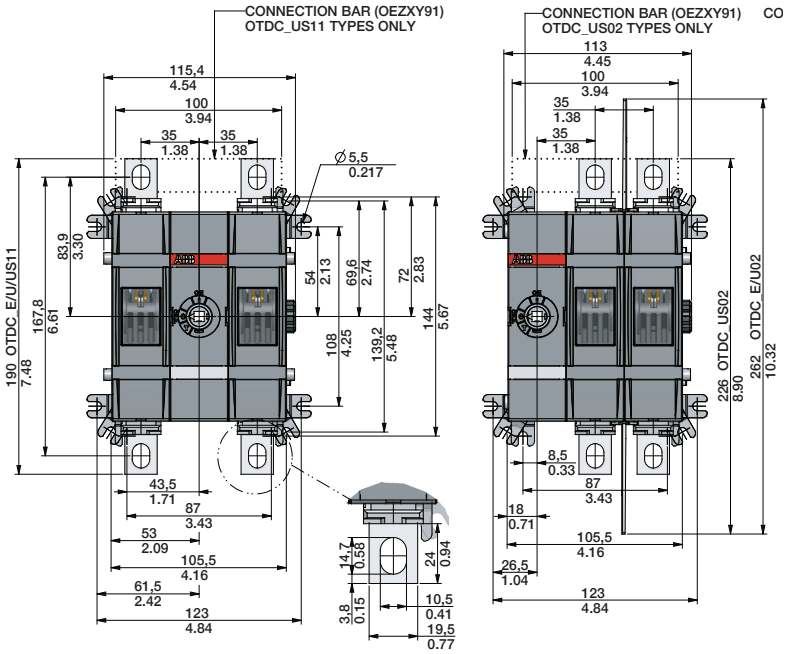
## OTDC100E_/160E_/200E_/250E_/100U_/180U_/200U_/245U_



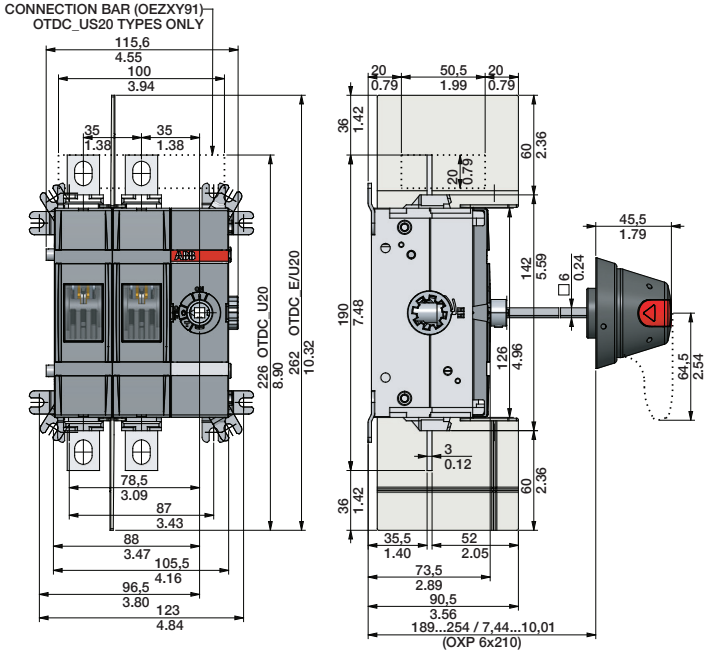
1a

## OTDC100...250E11, OTDC100...245U11, OTDC100...245US11

mm
in



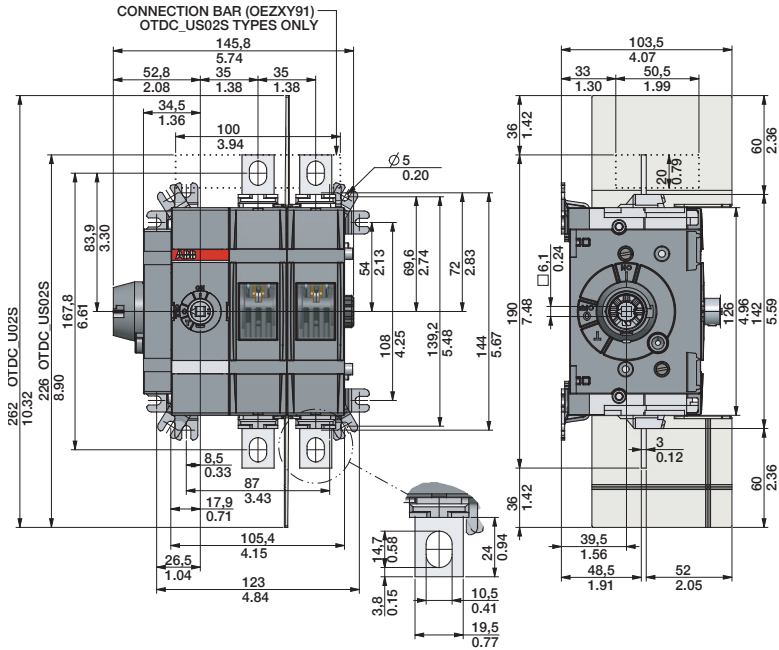

## OTDC100...250E20, OTDC100...245U20, OTDC100...245US20



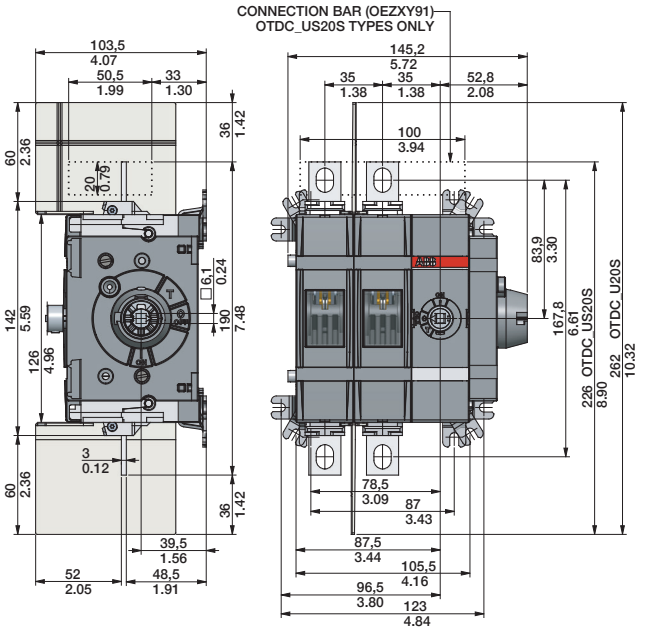
1b

## OTDC100...245U02S, OTDC100...245US02S

mm
in



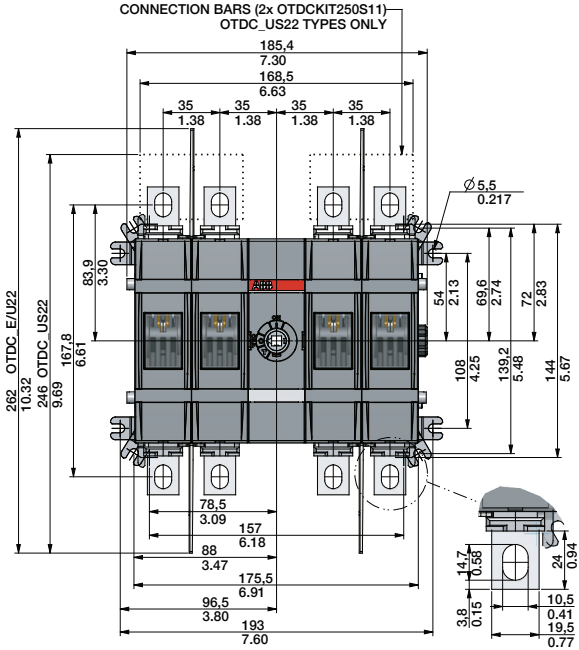

## OTDC100...245U20S, OTDC100...245US20S



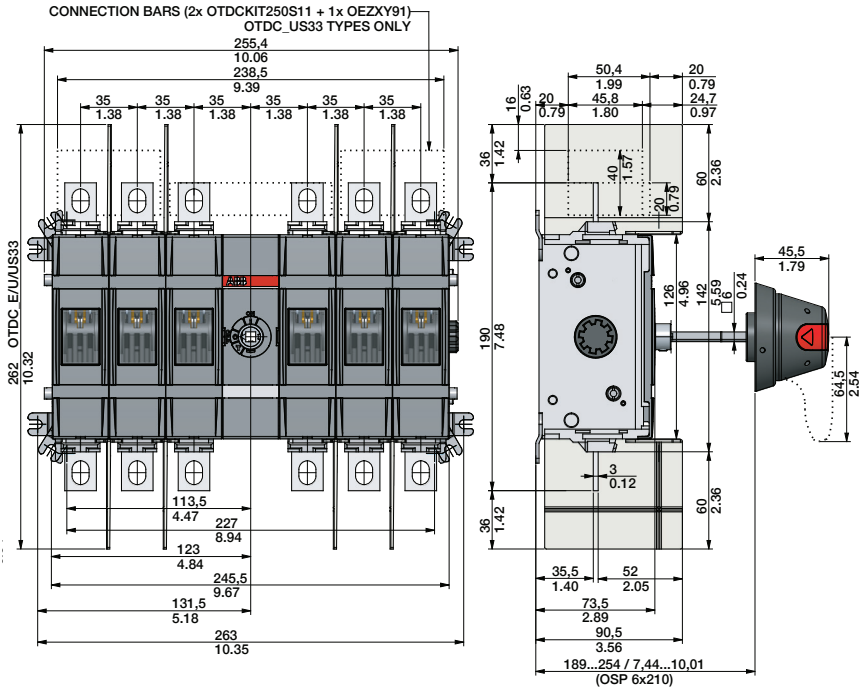
1c

## OTDC100...250E22, OTDC100...200U22, OTDC100...200US22

mm
in



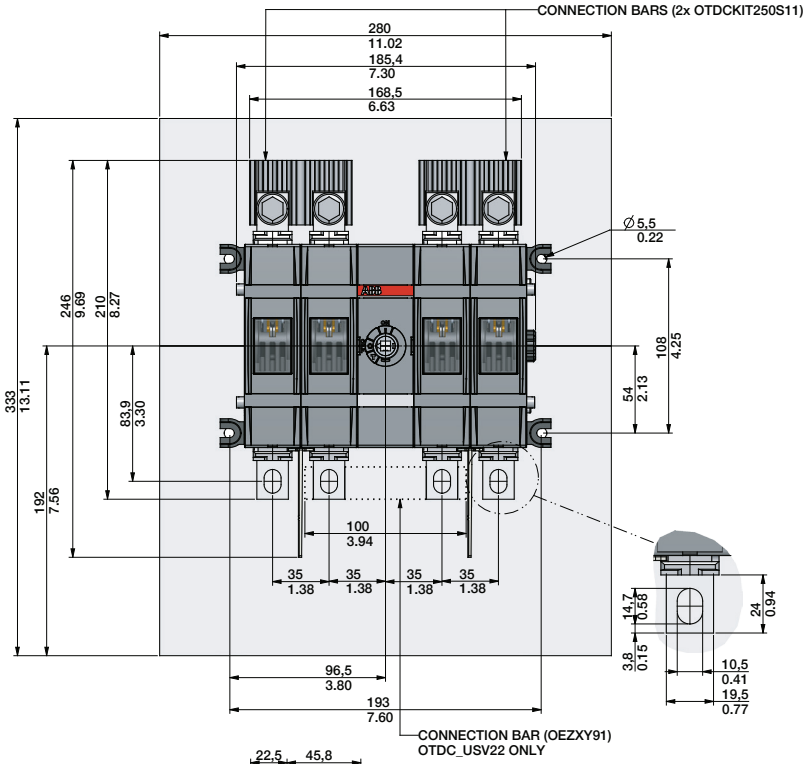

## OTDC100...250E33, OTDC100...200U33, OTDC100...200US33

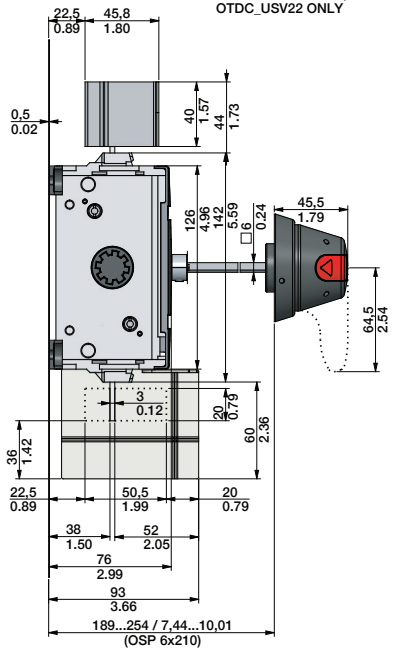


1d

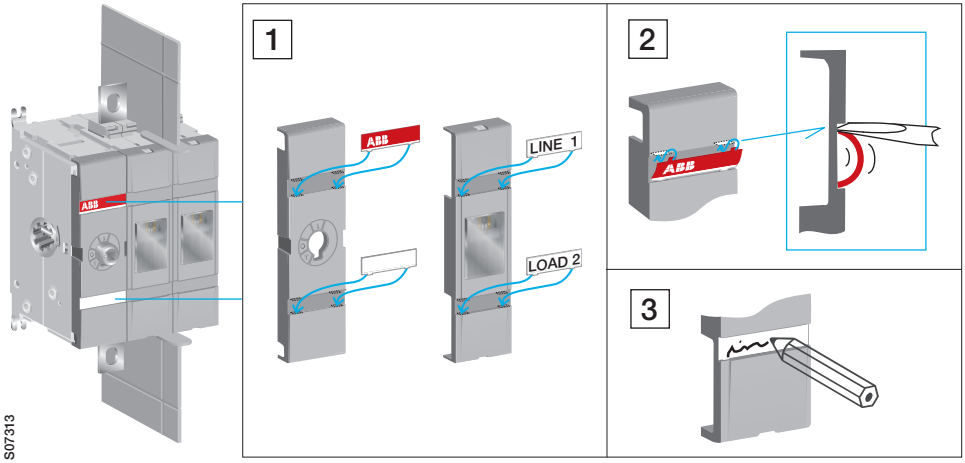
# OTDC100...200EV22, OTDC100...200UV22, OTDC100...200USV22

mm
in



## 2 Label

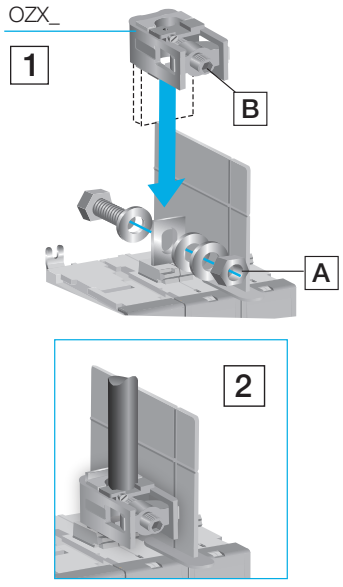



## 3 OZX_

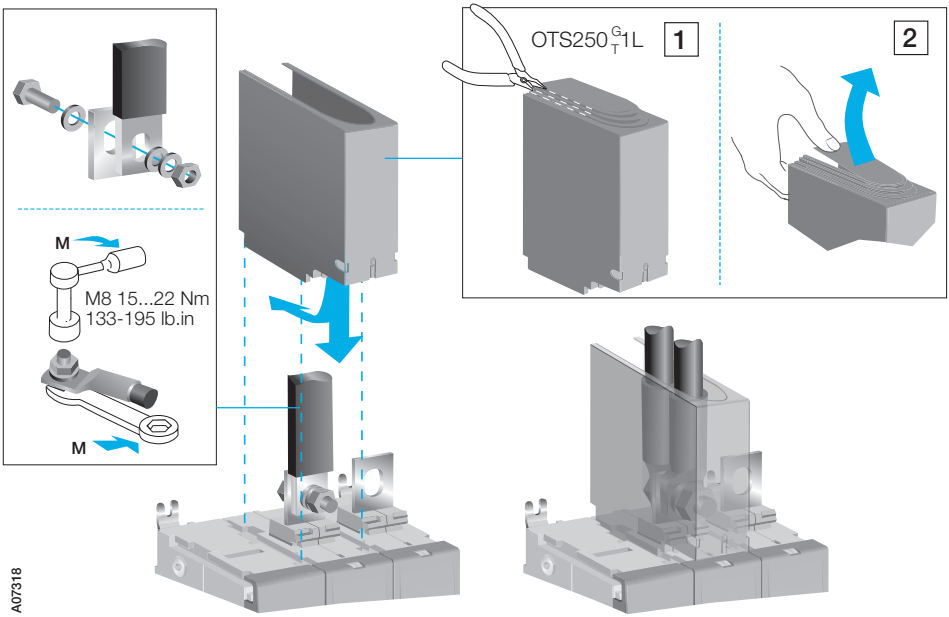
Note: Always use counter torque when tightening terminals!

| OTDC100...250E_ | | |
|---|---|---|
| | A | B |
| OZXB1L | 15...22 Nm (M8) | 15 Nm |
| OZXB2 | — | 30 Nm |
| OZXB2L | 15...22 Nm (M8) | 30 Nm |

| OTDC100...245U_ | | |
|---|---|---|
| | C | D |
| OZXA200 | 72 lb.in | 200 lb.in |
| OZXA250 | 175 lb.in | 275 lb.in |

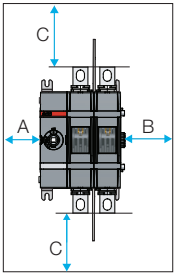


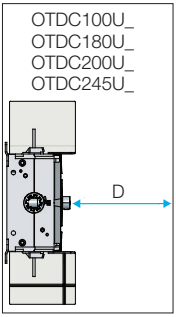
## 4 OTS_, busbars and cable lugs




## 5 Clearances per UL98

Minimum distances to enclosure walls




Minimum enclosure size or equivalent volume

For types OTDC100-245U02, 20, 11:

| Height | | Width | | Depth |
|---|---|---|---|---|
| 300 mm | x | 350 mm | x | 200 mm |
| 12 in | x | 14 in | x | 8 in |

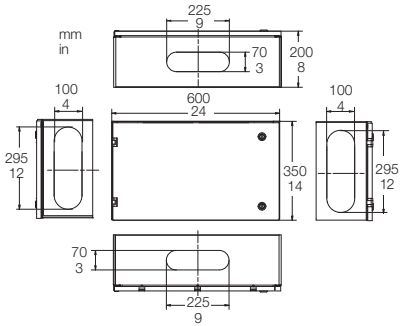
For types OTDC100-245U22, 33, US_, UV_, USV_ *:

| Height | | Width | | Depth |
|---|---|---|---|---|
| 350 mm | x | 600 mm | x | 200 mm |
| 14 in | x | 24 in | x | 8 in |

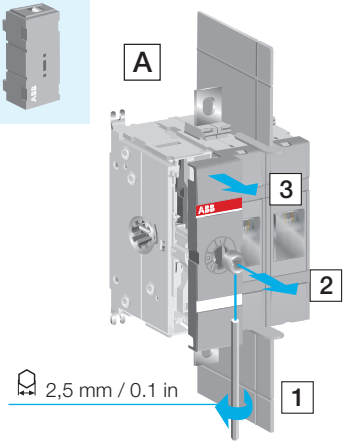
| A | B | D |
|---|---|---|
| 0 | 13 mm 0.5 in | 13 mm 0.5 in |

| C Cable size | |
|---|---|
| **AWG** | |
| 4-3 | 100 mm 4 in |
| 2 | 100 mm 4 in |
| 1 | 100 mm 4 in |
| 1/0 | 125 mm 5 in |
| 2/0 | 150 mm 6 in |
| 3/0-4/0 | 175 mm 7 in |
| **MCM** | |
| 250 | 200 mm 8 in |
| 300 | 250 mm 10 in |
| 400 | 250 mm 10 in |

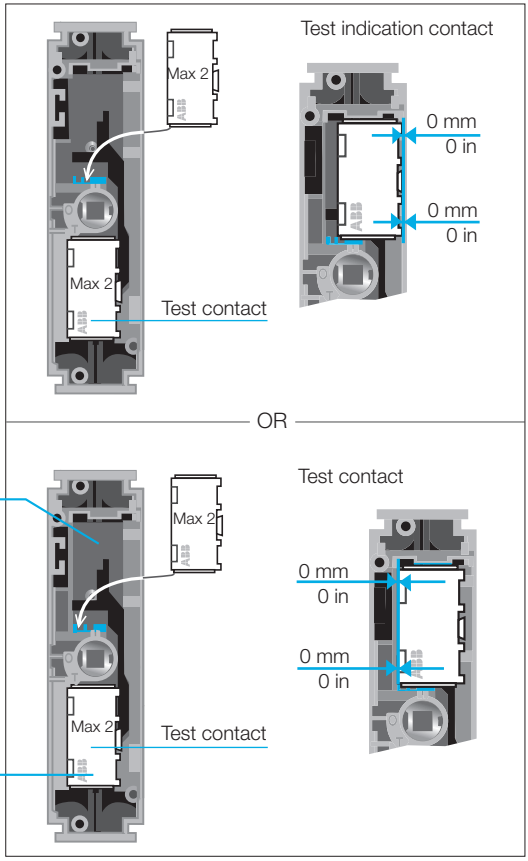
*) The Enclosure for type OTDC245US02 and OTDC245US11 has to be naturally ventilated according the following picture:

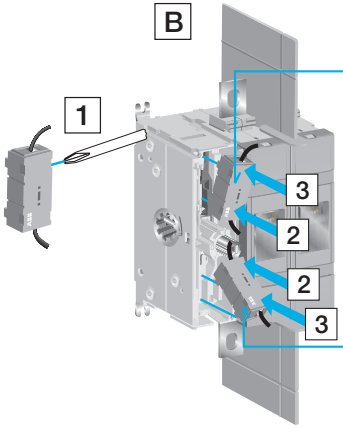


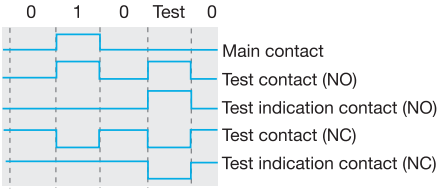
# OA_

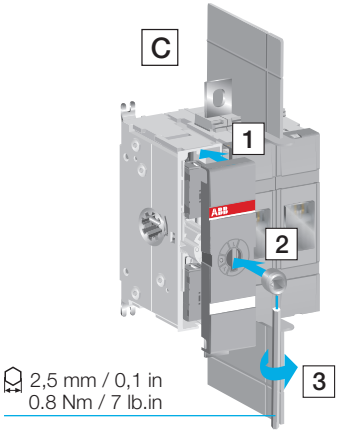



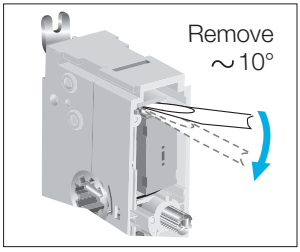

NO: OA1G10
NC: OA3G01



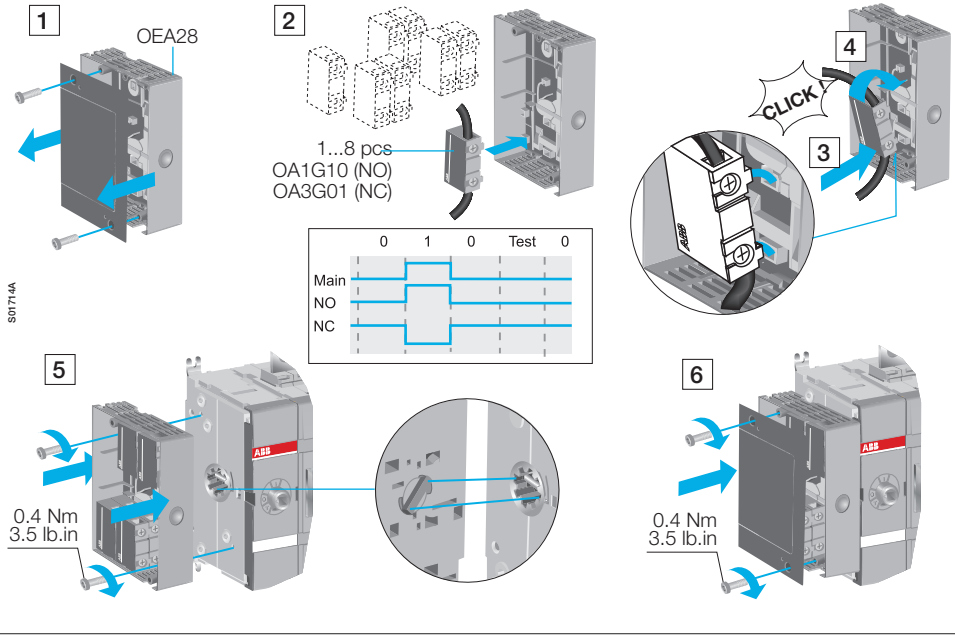



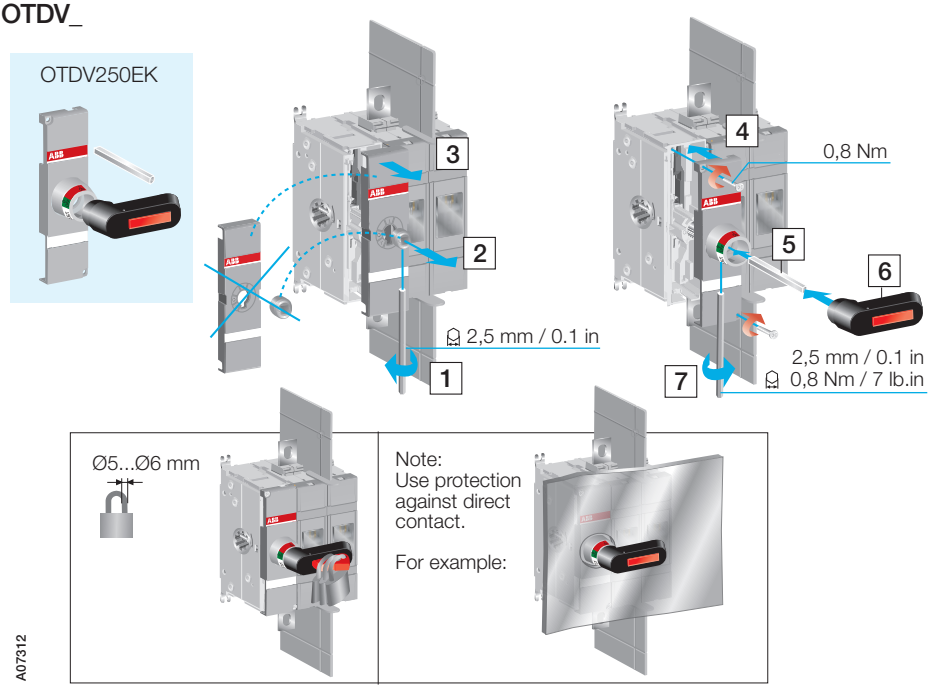




S07317

## 7 OEA_

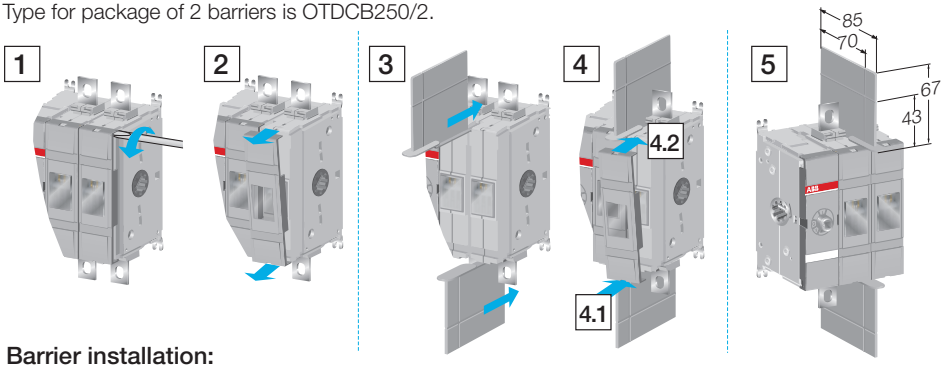

1
OEA28
2
1...8 pcs
OA1G10 (NO)
OA3G01 (NC)
0 1 0 Test 0
Main
NO
NC
3
4
CLICK
5
0.4 Nm
3.5 lb.in
6
0.4 Nm
3.5 lb.in
S01714A

## 8 OTDV_


OTDV250EK
1
2
3
2,5 mm / 0.1 in
4
0,8 Nm
5
6
7
2,5 mm / 0.1 in
0,8 Nm / 7 lb.in
Ø5...Ø6 mm
Note:
Use protection against direct contact.
For example:
A07312

## OTDCB_

Barriers must be used between poles on types OTDC100/180/200/245U_ and OTDC100/200/250E_.
Type for package of 2 barriers is OTDCB250/2.



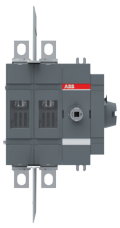

### Barrier installation:

OTDC_U02
OTDC_E02
Circuits: 2a, 2b

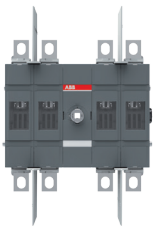
OTDC_U20
OTDC_E20
Circuits: 2a, 2b

OTDC_U02S
OTDC_E02S
Circuits: 2a, 2b

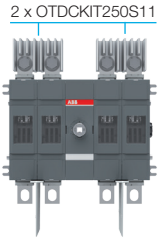
OTDC_U20S
OTDC_E20S
Circuits: 2a, 2b



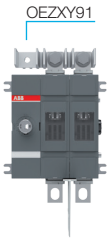
OTDC_U22
OTDC_E22
Circuits: 4a, 4c



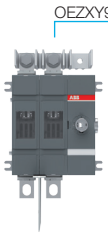
OTDC_US22
Circuits: 3




OTDC_US02
Circuit: 1a

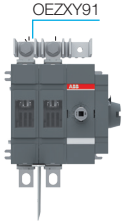



OTDC_US20
Circuit: 1a

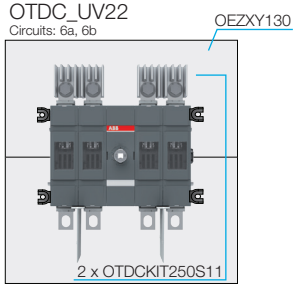



OTDC_US02S
Circuit: 1a


OTDC_US20S
Circuit: 1a

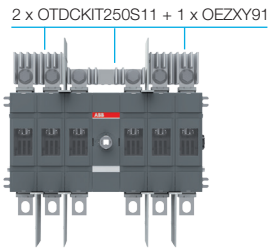



OTDC_EV22
OTDC_UV22
Circuits: 6a, 6b

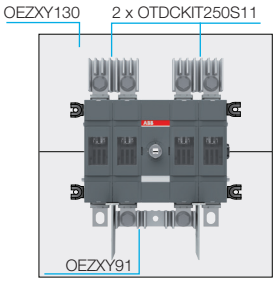



OTDC_E33
OTDC_U33
Circuits: 7a, 7e

OTDC_US33
Circuit: 7i

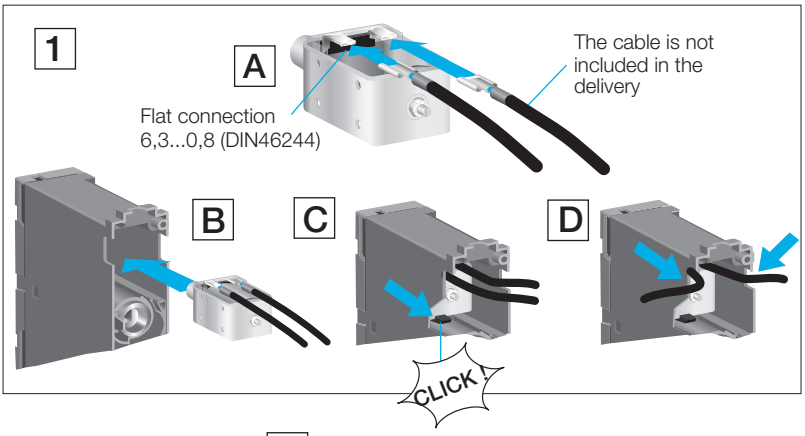


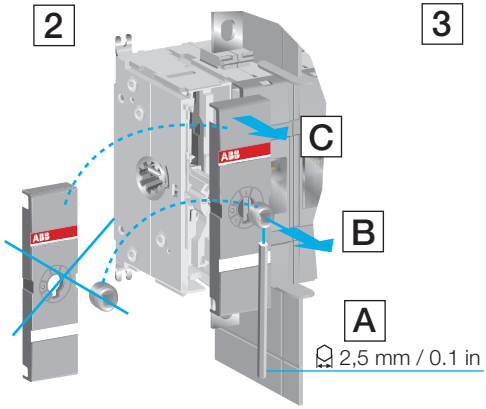

OTDC_USV22
Circuit: 6m

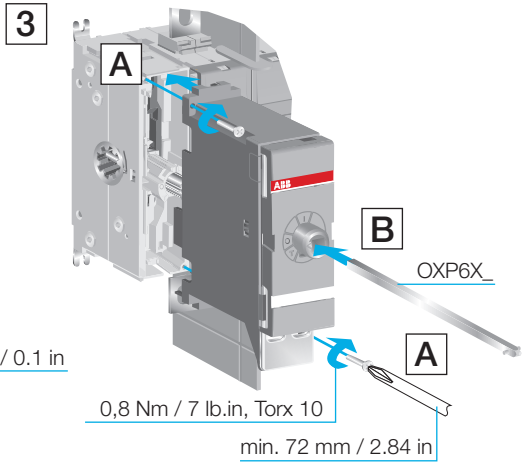


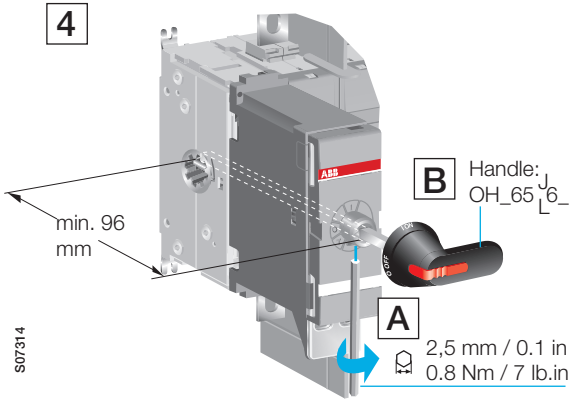
# OSZT_

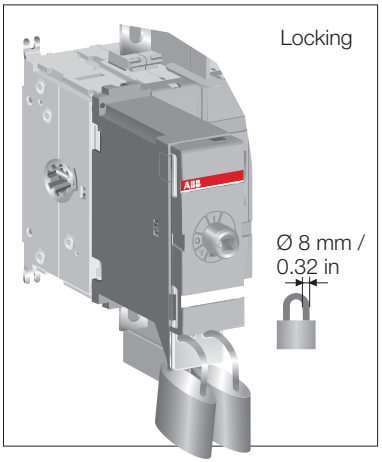
OSZT1_


1
A
Flat connection
6,3...0,8 (DIN46244)
The cable is not
included in the
delivery
B
C
D
CLICK


2
C
B
A
2,5 mm / 0.1 in


3
A
B
OXP6X_
A
0,8 Nm / 7 lb.in, Torx 10
min. 72 mm / 2.84 in

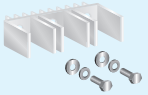

4
B
Handle:
OH_65 J
L 6_
min. 96
mm
A
2,5 mm / 0.1 in
0.8 Nm / 7 lb.in
S07314

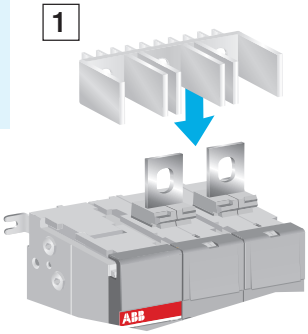

Locking
Ø 8 mm /
0.32 in

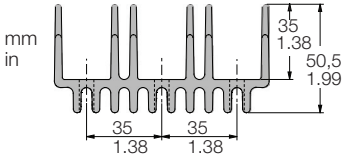
# OTDCB_

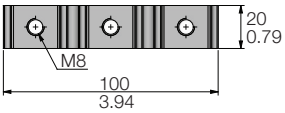
Protection plate **OEZXY130** must be used on types OTDC_USV22, OTDC_EV22 and OTDC_UV22 according to the circuit drawings below. Protection plates are included as standard if use required.

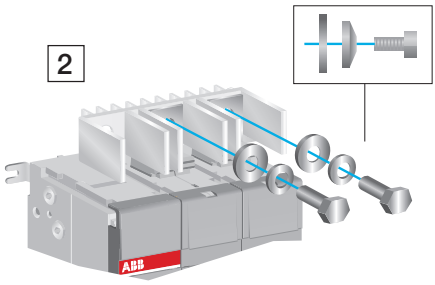
OEZXY91

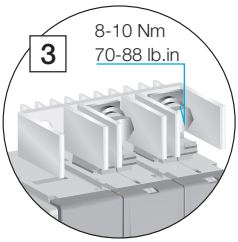




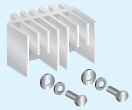



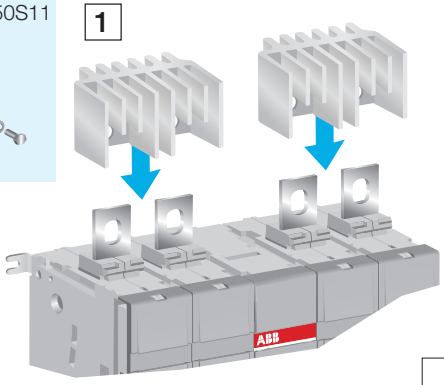



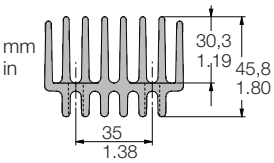



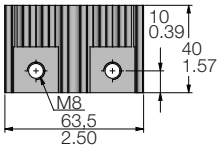



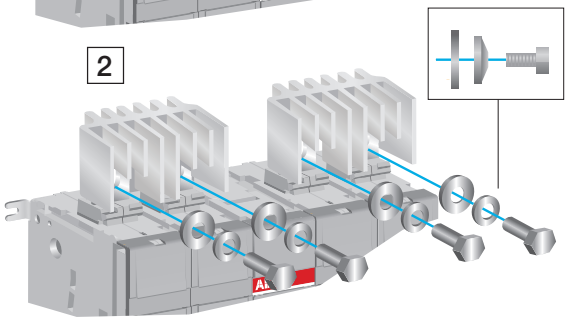

OTDCKIT250S11

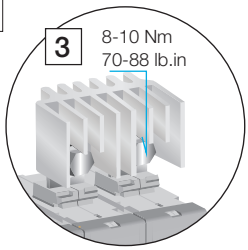





A07329

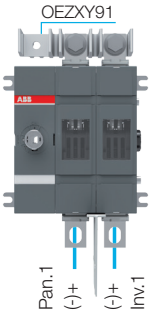
**Circuits 2a, 2b**
**1000 VDC**
OTDC_E11


**Circuits 2a, 2b**
**1000 VDC**
OTDC_U02
OTDC_E02


**Circuits 2a, 2b**
**1000 VDC**
OTDC_U20
OTDC_E20

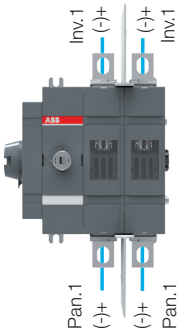

**Circuit 1a**
**1000 VDC**
OTDC_US11


**Circuit 1a**
**1000 VDC**
OTDC_US02




**Circuit 1a**
**1000 VDC**
OTDC_US20

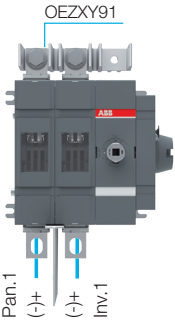

**Circuits 2a, 2b**
**1000 VDC**
OTDC_U02S
OTDC_E02S



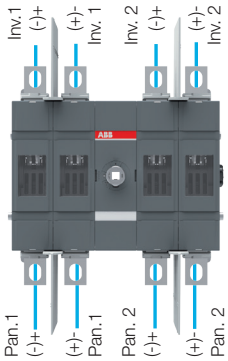

**Circuits 2a, 2b**
**1000 VDC**
OTDC_U20S
OTDC_E20S


**Circuit 1a**
**1000 VDC**
OTDC_US02S

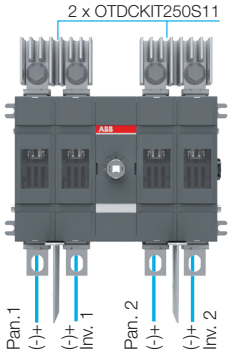

**Circuit 1a**
**1000 VDC**
OTDC_US20S



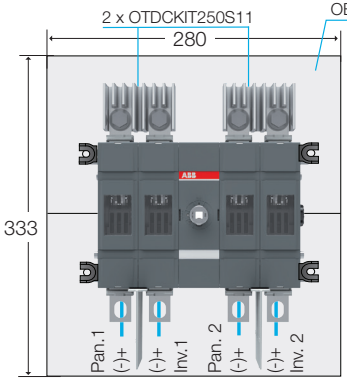
**Circuits 4a, 4c**
**1000 VDC**
OTDC_U22
OTDC_E22



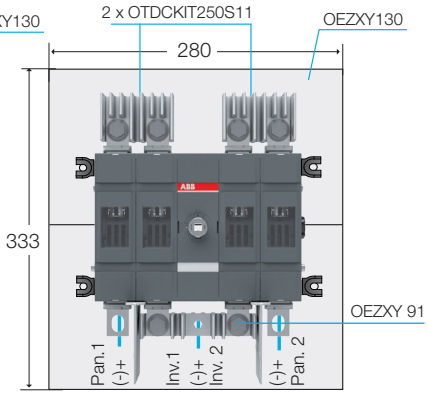

**Circuit 3**
**1000 VDC**
OTDC_US22



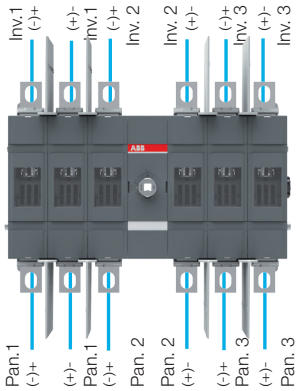

**Circuits 6a, 6b**
**1500 VDC**
OTDC_EV22
OTDC_UV22



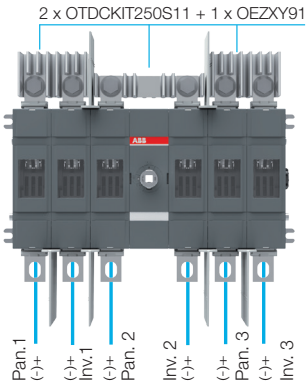

**Circuit 6m**
**1500 VDC**
OTDC_USV22




**Circuits 7a, 7e**
**1000 VDC**
OTDC_E33
OTDC_U33




**Circuit 7i**
**1000 VDC**
OTDC_US33



BG Внимание! Опасно напрежение! Да се монтира само от лице с електротехническа квалификация.
FR Avertissement! Tension électrique dangereuse! Installation uniquement par des personnes qualifiées en électrotechnique.
MT Twissija! Vultaġġ perikoluż! Għandu jiġi installat biss minn persuna b'kompetenza elettroteknika.
HR Upozorenje! Opasan napon! Postavljati smije samo elektrotehnički stručnjak.
DE Warnung! Gefährliche Spannung! Installation nur durch elektrotechnische Fachkraft.
PL Ostrzeżenie! Niebezpieczne napięcie! Instalacji może dokonać wyłącznie osoba z fachową wiedzą w dziedzinie elektrotechniki.
CZ Varování! Nebezpečné napětí! Montáž smí provádět výhradně elektrotechnik!
EL Προειδοποίηση! Υψηλή τάση! Η εγκατάσταση πρέπει να γίνεται μόνο από εξειδικευμένους ηλεκτροτεχνικούς.
PT Aviso! Tensão perigosa! A instalação só deve ser realizada por um eletricista especializado.
DA Advarsel! Farlig elektrisk spænding! Installation må kun foretages af personer med elektroteknisk ekspertise.
HU Figyelmeztetés! Veszélyes feszültség! Csak elektrotechnikai tapasztalattal rendelkező szakember helyezheti üzembe.
RO Avertizare! Tensiune periculoasă! Instalarea trebuie efectuată numai de către o persoană cu experienţă în electrotehnică.
NL Waarschuwing! Gevaarlijke spanning! Mag alleen geïnstalleerd worden door een deskundige elektrotechnicus.
IE Rabhadh! Voltas guaiseach! Ba chóir do dhuine ag a bhfuil saineolas leictriteicniúil, agus an té sin amháin, é seo a shuiteáil.
SK Varovanie! Nebezpečné napätie! Montáž môže vykonávať iba skúsený elektrotechnik.
EN Warning! Hazardous voltage! Installation by person with electrotechnical expertise only.
IT Avvertenza! Tensione pericolosa! Fare installare solo da un elettricista qualificato.
SL Opozorilo! Nevarna napetost! Vgradnjo lahko opravi le oseba z elektrotehničnim strokovnim znanjem.
ET Hoiatus! Ohtlik pinge. Paigaldada võib ainult elektrotehnika-alane ekspert.
LV Uzmanību! Bīstami - elektrība! Montāžas darbus drīkst veikt tikai personas, kurām ir atbilstošas elektrotehniskās zināšanas.
ES ¡Advertencia! ¡Tensión peligrosa! La instalación deberá ser realizada únicamente por electricistas especializados.
FI Varoitus! Vaarallinen jännite! Asennuksen voi tehdä vain sähköalan ammattihenkilö.
LT Dėmesio! Pavojinga įtampa! Dirbti leidžiama tik elektrotechniko patirties turintiems asmenims.
SE Varning! Farlig spänning! Installation får endast utföras av en elektriker.
CN 警告！电压危险！只能由专业电工进行安装。
RU Осторожно! Опасное напряжение! Монтаж должен выполняться только специалистом-электриком.



For more information please contact:

**ABB Oy, Protection and Connection**
P.O. Box 622, FI-65101 Vaasa, Finland
**new.abb.com/low-voltage**

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