

INSTALLATION INSTRUCTION

Switch Disconnectors OT200-250, OT315EC

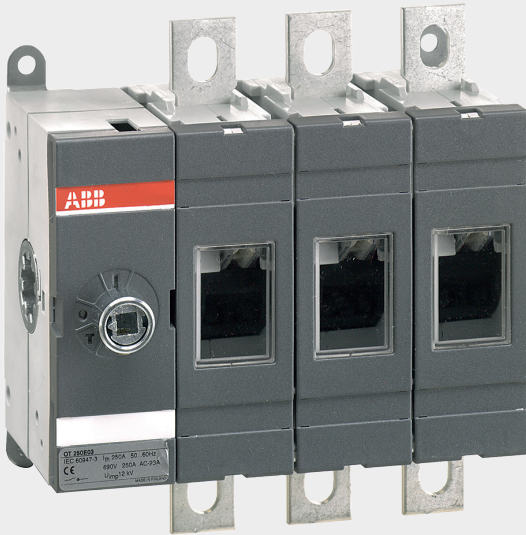
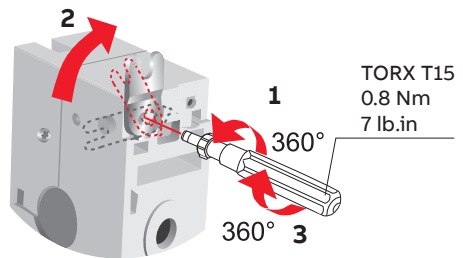
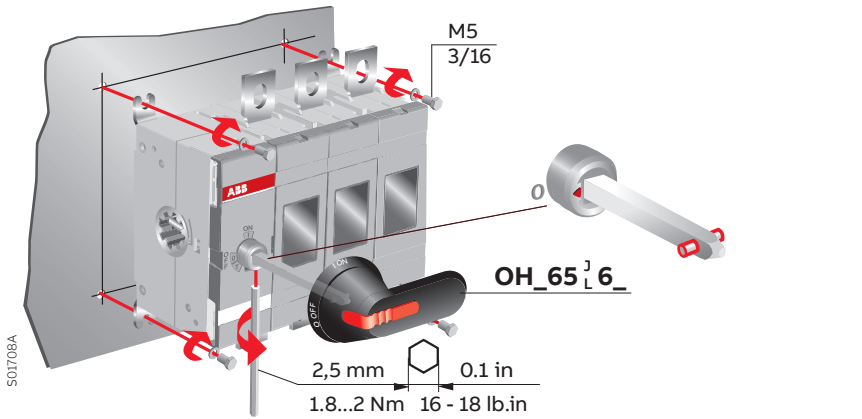


Table of contents

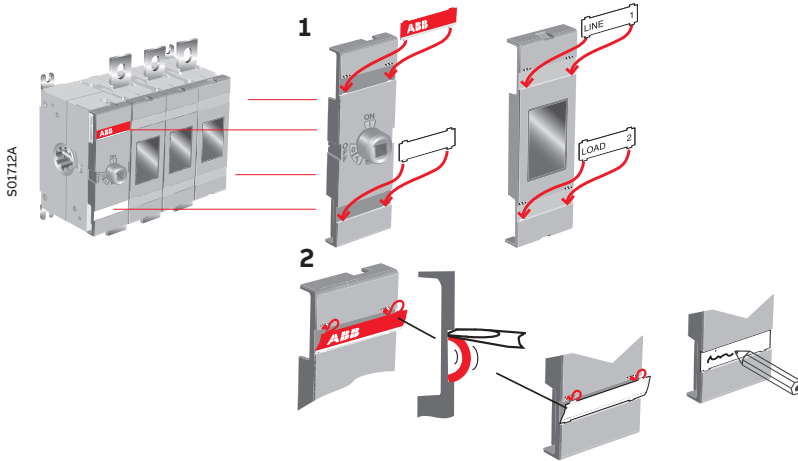
| | |
|-------|---|
| 03 | Installation |
| 04 | Labels Clearances per UL98 |
| 05 | Terminal clamps OZX_ Terminal shrouds OTS_ Phase barriers PB100 |
| 06 | Auxiliary contacts OA_ |
| 07 | Direct mounted handle OTV_ |
| 08 | Neutral link OS_N3 & OXN250 Module for aux contacts OEA28_ |
| 09 | Interlocking OTZT1_ |
| 10 | Fourth pole OTZ250E, OTZ200U |
| 11–14 | Dimension drawings |
| 15 | Warning table |

Installation

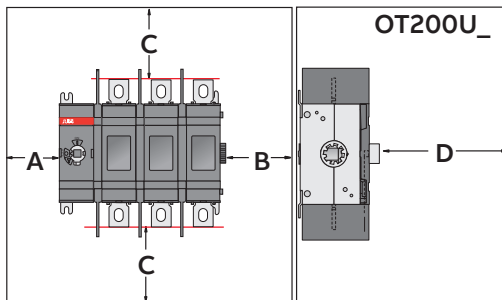
OT160EV_/OT200E_/OT250E_/OT315EC_



Labels



Clearances per UL98



Minimum enclosure size or equivalent volume

| Height | Width | Depth |
|-----------------|-----------------|----------------|
| 406 mm 16 in | 255 mm 10 in | 152 mm 6 in |

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

Cable size

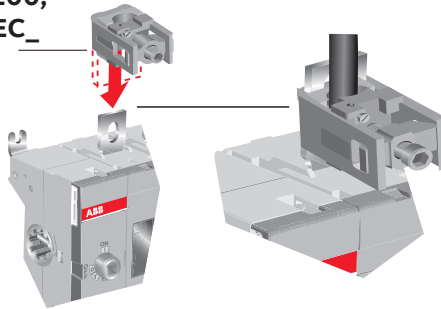
| AWG | C | MCM | C |
|---------|----------------|-----|-----------------|
| 4-3 | 100 mm 4 in | 250 | 200 mm 8 in |
| 2 | 100 mm 4 in | 300 | 250 mm 10 in |
| 1 | 100 mm 4 in | | |
| 1/0 | 125 mm 5 in | | |
| 2/0 | 150 mm 6 in | | |
| 3/0-4/0 | 175 mm 7 in | | |

Terminal clamps

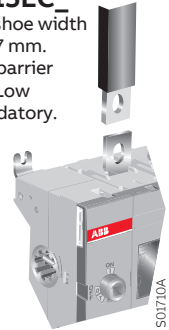
OZX_

OT160EV_, **OT200**,
OT250, **OT315EC_**
OZXB1L
OZXB2
OZXB2L
OZXB8

OT200U
OZXA-200_
OZXA-206_

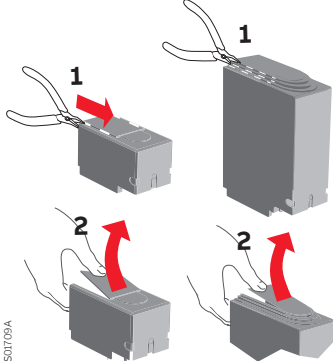


OT315EC_
Cable shoe width
max. 27 mm.
Phase barrier
PB100Low
is mandatory.

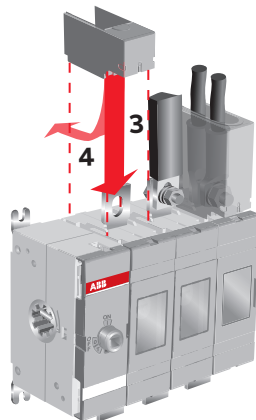


Terminal shrouds Phase barriers PB100

OTS250^G_{T1S} OTS250^G_{T1L}

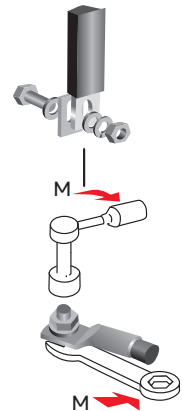


501709A



PB100

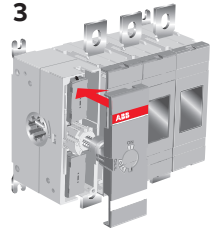
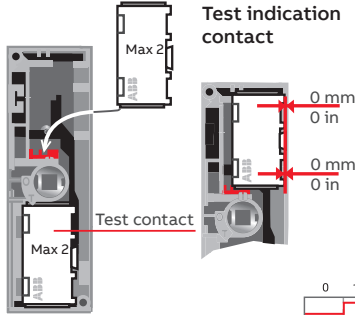
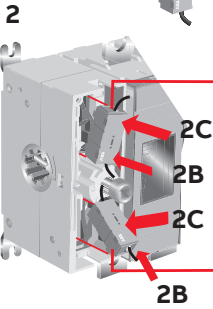
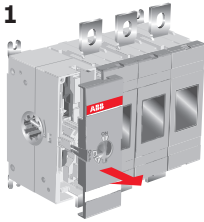
M8 15...22 Nm
133-195 lb.in



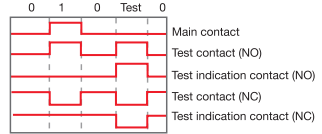
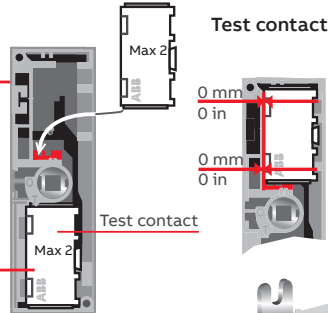
Auxiliary contacts

OA_

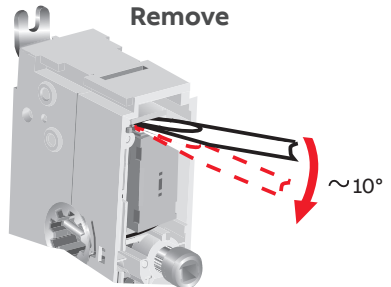
NO: OA1G10
NC: OA3G01



OR



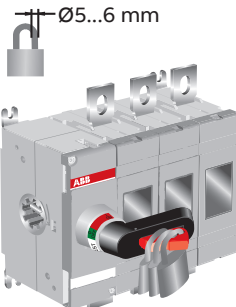
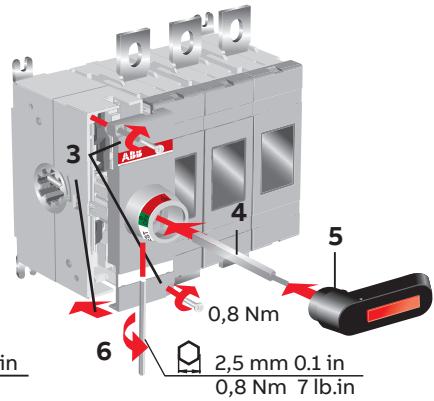
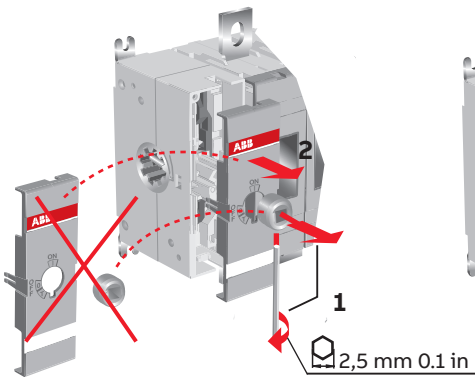
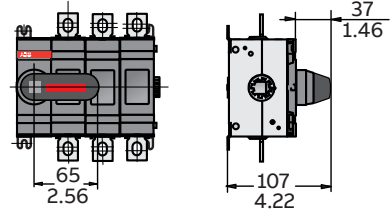
Remove



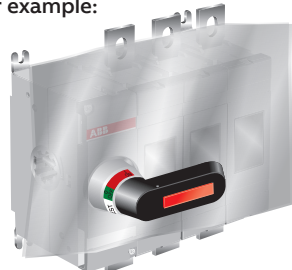
Direct mounted handle

OTV_

OTV250EK

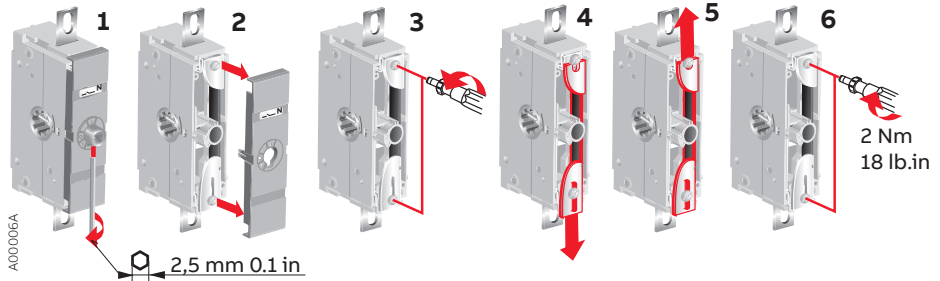


Note: Use protection against direct contact.
For example:



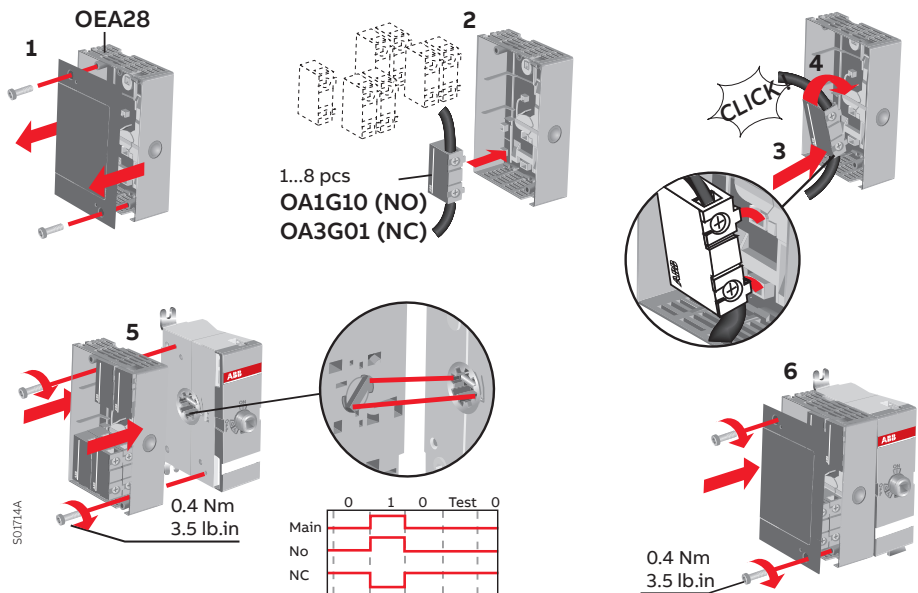
Neutral link

OS_N3 & OXN250



Module for aux contacts

OEA28_



Interlocking

OTZT1_

OTZT1_

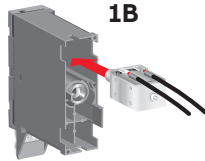


1

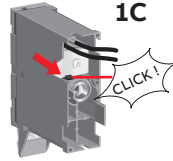
Flat connection
6,3-0,8 (DIN46244)

1A

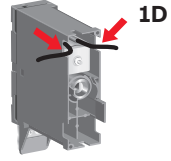
The cable is not
included in the delivery



1B

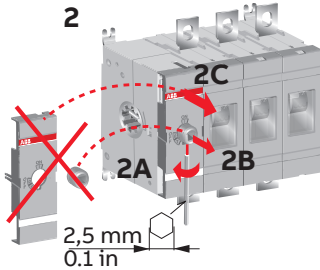


1C



1D

2



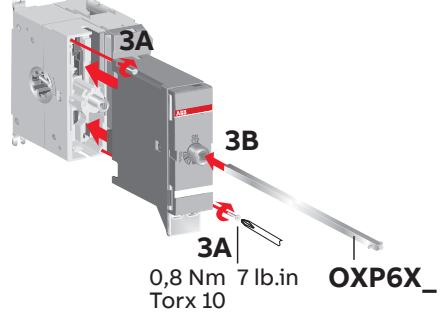
2A

2B

2C

2,5 mm
0.1 in

3



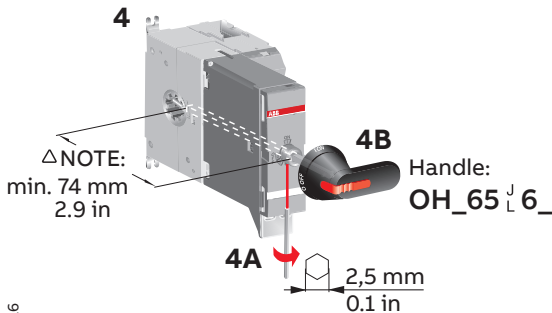
3A

3B

0,8 Nm 7 lb.in
Torx 10

OXP6X_

4



△NOTE:
min. 74 mm
2.9 in

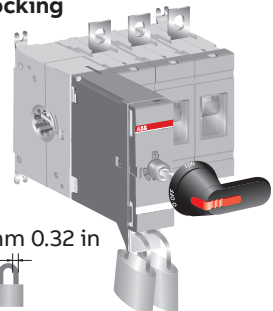
4B

Handle:
OH_65 L 6_

4A

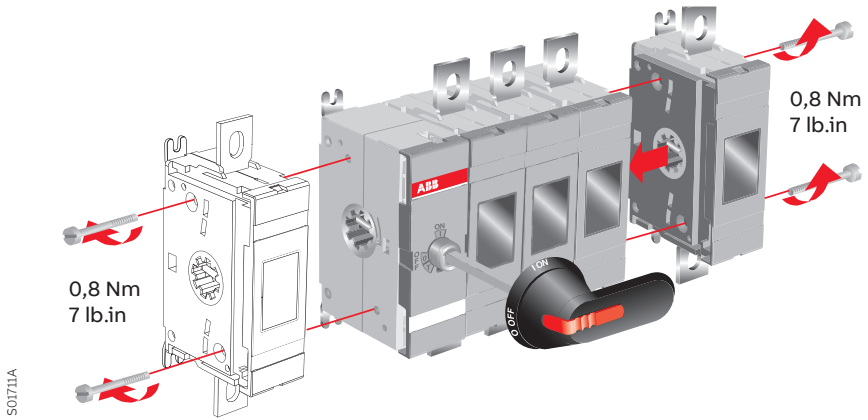
2,5 mm
0.1 in

Locking

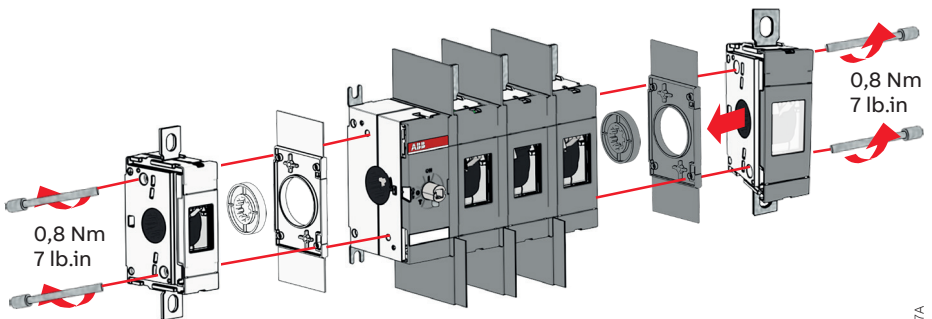


Ø8 mm 0.32 in

Fourth pole OTZ250E

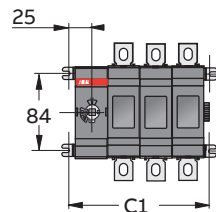
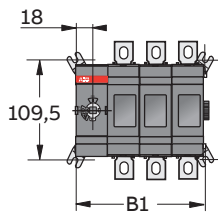
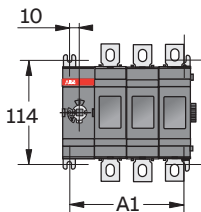
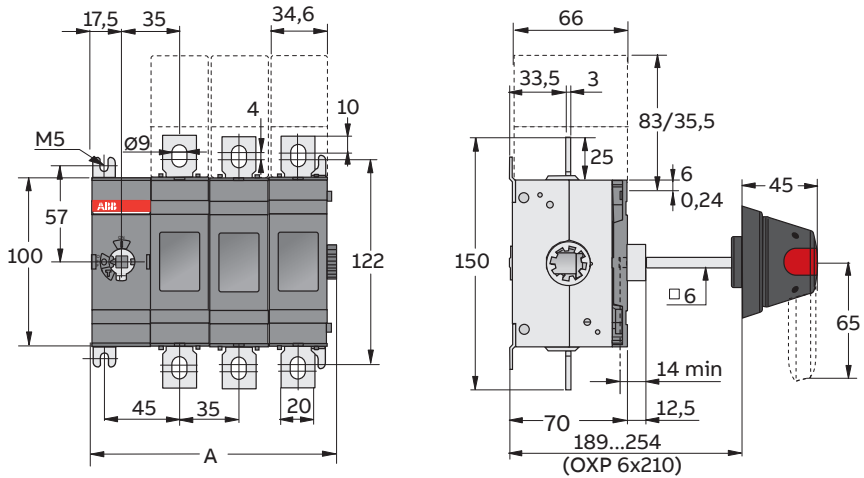


OTZ200U



Dimension drawings

OT160EV, OT200-250E01-04,
OT315EC03-04

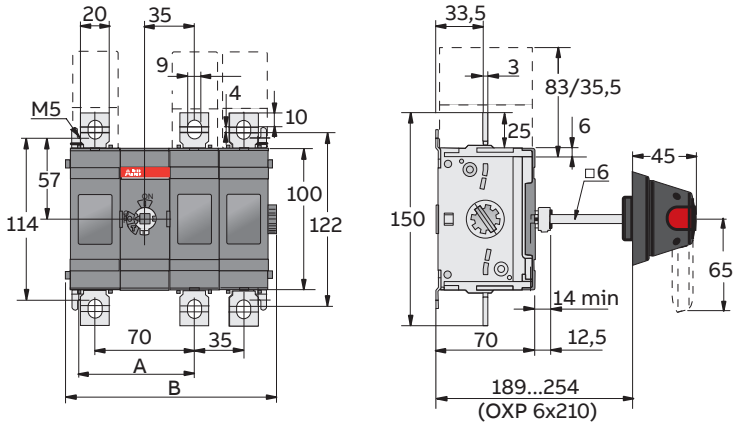


M000II/501843 OT200_250E01_04 G /AS

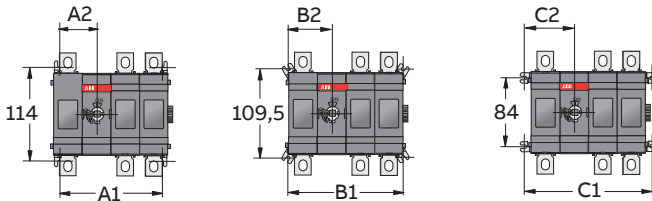
| mm | OT160/200/250/315EC | | | |
|-----------|---------------------|-------|-------|-------|
| | E01 | E02 | E03 | E04 |
| A | 75,5 | 110,5 | 145,5 | 180,5 |
| A1 | 55 | 90 | 125 | 160 |
| B1 | 71 | 106 | 141 | 176 |
| C1 | 85 | 120 | 155 | 190 |

Dimension drawings

OT160EV_, OT200-250E11-33



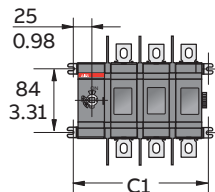
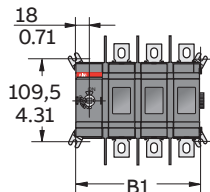
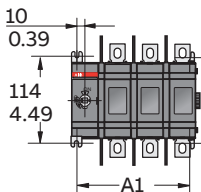
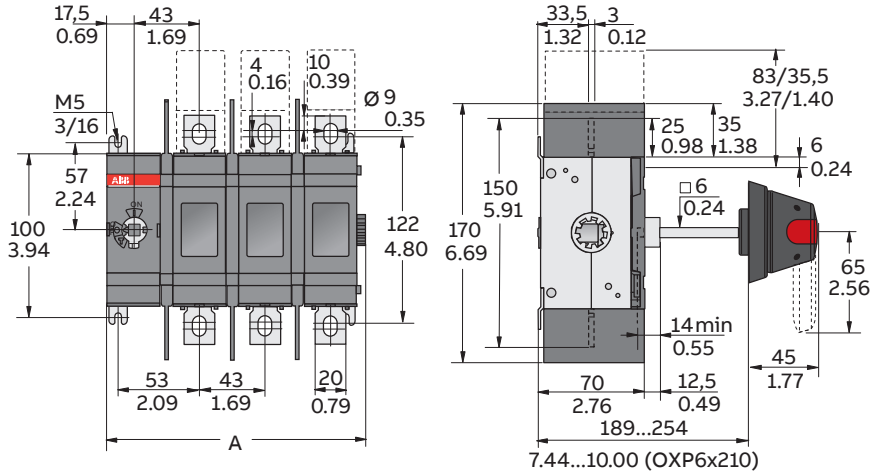
M00017/OT200_250E11_22 H /A5



| mm | OT160/200/250 | | | | | |
|----|---------------|-------|-------|-------|-------|-------|
| | E11 | E12 | E13 | E22 | E23 | E33 |
| A | 80 | 80 | 80 | 115 | 115 | 150 |
| B | 115,5 | 150,5 | 185,5 | 185,5 | 220,5 | 255,5 |
| A1 | 90 | 125 | 160 | 160 | 195 | 230 |
| A2 | 45 | 45 | 45 | 80 | 80 | 115 |
| B1 | 106 | 141 | 141 | 176 | 211 | 246 |
| B2 | 53 | 53 | 53 | 88 | 88 | 123 |
| C1 | 120 | 155 | 190 | 190 | 225 | 260 |
| C2 | 60 | 60 | 60 | 95 | 95 | 130 |

Dimension drawings

OT200U_, OT160EV_W_, OT200-250E_W,
OT160-250_01-04

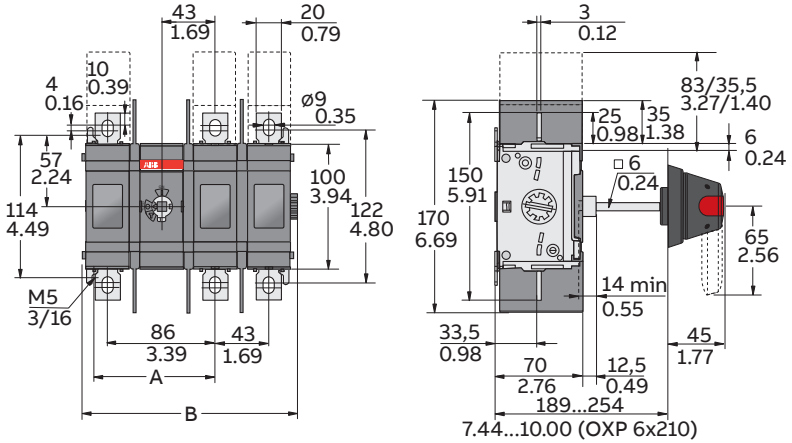


M00009/OT200U/E01_04W_H/A5

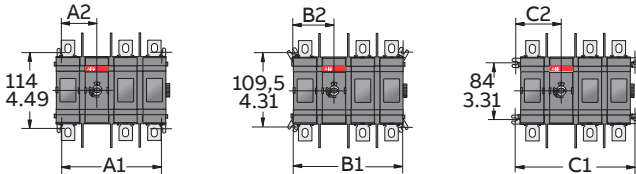
| mm in | OT160-250 | | | |
|-----------|-----------|------------|------------|------------|
| | U01/E01W | U02/E02W | U03/E03W | U04/E04W |
| A | 83,5/3.24 | 126,5/4.98 | 169,5/6.67 | 212,5/8.37 |
| A1 | 63/2.48 | 106/4.17 | 149/5.87 | 192/7.56 |
| B1 | 79/3.11 | 122/4.80 | 165/6.50 | 208/8.19 |
| C1 | 93/3.66 | 136/5.35 | 179/7.05 | 222/8.74 |

Dimension drawings

OT160-250_11-22



M00016/OT200U/E11_22W H /AS



| mm in | OT160-250 | | | |
|-----------|------------|------------|------------|------------|
| | U11/E11W | U12/E12W | U13/E13W | U22/E22W |
| A | 96/3.78 | 96/3.78 | 96/3.78 | 139/5.47 |
| B | 131,5/5.18 | 174,5/6.87 | 217,5/8.56 | 217,5/8.56 |
| A1 | 106/4.17 | 149/5.87 | 192/7.56 | 192/7.56 |
| B1 | 53/2.09 | 53/2.09 | 53/2.09 | 96/3.78 |
| B1 | 122/4.80 | 165/6.50 | 208/8.19 | 208/8.19 |
| B2 | 61/2.40 | 61/2.40 | 61/2.40 | 104/4.09 |
| C1 | 136/5.35 | 179/7.05 | 222/8.74 | 222/8.74 |
| C2 | 68/2.69 | 68/2.68 | 68/2.68 | 111/4.37 |



BG Внимание! Опасно напрежение! Да се монтира само от лице с електротехническа квалификация.

CN 警告！电压危险！只能由专业电工进行安装。

CZ Varování! Nebezpečné napětí! Montáž smí provádět výhradně elektrotechnik!

DA Advarsel! Farlig elektrisk spænding! Installation må kun foretages af personer med elektroteknisk ekspertise.

DE Warnung! Gefährliche Spannung! Installation nur durch elektrotechnische Fachkraft.

EL Προειδοποίηση! Υψηλή τάση! Η εγκατάσταση πρέπει να γίνεται μόνο από εξειδικευμένους ηλεκτροτεχνικούς.

EN Warning! Hazardous voltage! Installation by person with electrotechnical expertise only.

ES ¡Advertencia! ¡Tensión peligrosa! La instalación deberá ser realizada únicamente por electricistas especializados.

ET Hoiatust! Ohtlik pinge. Paigaldada võib ainult elektrotehnika-alane ekspert.

FI Varoitust! Vaarallinen jännite! Asennuksen voi tehdä vain sähköalan ammattihenkilö.

FR Avertissement! Tension électrique dangereuse! Installation uniquement par des personnes qualifiées en électrotechnique.

HR Upozorenje! Opasan napon! Postavljati smije samo elektrotehnički stručnjak.

HU Figyelmeztetés! Veszélyes feszültség! Csak elektrotechnikai tapasztalattal rendelkező szakember helyezheti üzembe.

IE Rabhadh! Voltas guaiseach! Ba chóir do dhuine ag a bhfuil saineolas leictreicniúil, agus an té sin amháin, é seo a shuiteáil.

IT Avvertenza! Tensione pericolosa! Fare installare solo da un elettricista qualificato.

LT Dėmesio! Pavojinga įtampa! Dirbti leidžiama tik elektrotechniko patirties turintiems asmenims.

LV Uzmanību! Bīstami - elektrība! Montāžas darbus drīkst veikt tikai personas, kurām ir atbilstošas elektrotehnikās zināšanas.

MT Twissija! Vultaġġ perikoluż! Għandu jiġi installat biss minn persuna b'kompetenza elettroteknika.

NL Waarschuwing! Gevaarlijke spanning! Mag alleen geïnstalleerd worden door een deskundige elektrotechnicus.

NO Advarsel! Farlig spenning! Montering skal kun utføres av kvalifiserte personer med elektrokompetanse.

PL Ostrzeżenie! Niebezpieczne napięcie! Instalacji może dokonać wyłącznie osoba z fachową wiedzą w dziedzinie elektrotechniki.

PT Aviso! Tensão perigosa! A instalação só deve ser realizada por um electricista especializado.

RO Avertizare! Tensiune periculoasă! Instalarea trebuie efectuată numai de către o persoană cu experiență în electrotehnică.

RU Осторожно! Опасное напряжение! Монтаж должен выполняться только специалистом-электриком.

SE Varning! Farlig spänning! Installation får endast utföras av en elektriker.

SK Varovanie! Nebezpečné napätie! Montáž môže vykonávať iba skúsený elektrotechnik.

SL Opozorilo! Nevarna napetost! Vgradnjo lahko opravi le oseba z elektrotehničnim strokovnim znanjem.





Contact us

ABB Oy

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Vaasa, Finland

abb.com/lowvoltage