

—  
INSTALLATION INSTRUCTION

## Switch fuses

### OS200-250

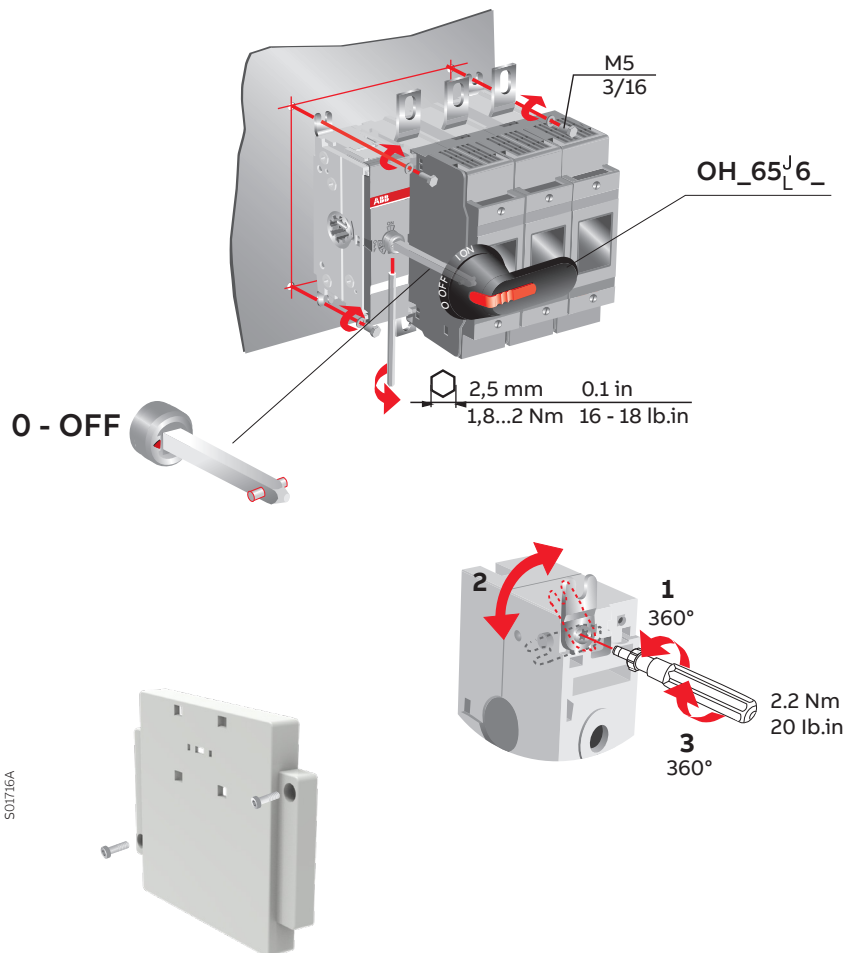


---

## Table of contents

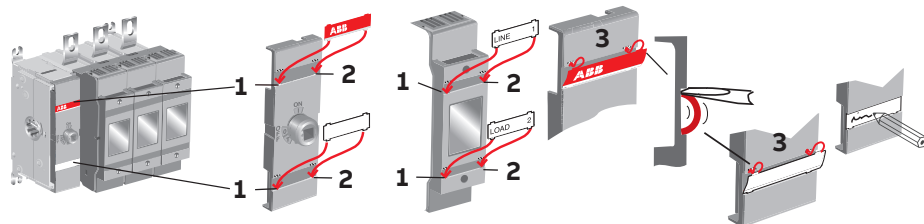
|       |                                |
|-------|--------------------------------|
| 03    | Installation                   |
| 04    | Labels                         |
| 05    | Clearances per UL98            |
| 06    | Terminal shrouds OSS_          |
| 07    | Terminal clamps OZX_           |
| 08    | Fuse links                     |
| 09    | Auxiliary contacts OA_         |
| 10    | Fourth pole OSP_               |
| 11    | Direct mount handle OSV_       |
| 12    | Neutral link OS_N3 & OXN250X   |
| 13    | Blown fuse indicator DPMM_     |
| 14    | Electronic fuse monitor OFS_   |
| 15    | Module for aux contacts OEA28_ |
| 16    | Interlocking OSZT1             |
| 17-20 | Dimension drawings             |
| 23    | Warning sheet                  |

# Installation



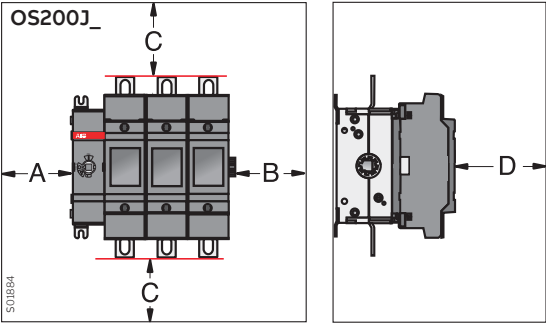
Lisätäänkö tätä ollenkaan?

# Labels



501717A

Clearances per UL98



Minimum enclosure size or equivalent volume

| Height            | Width             | Depth            |
|-------------------|-------------------|------------------|
| 600 mm<br>23.6 in | 350 mm<br>13.8 in | 200 mm<br>7.9 in |

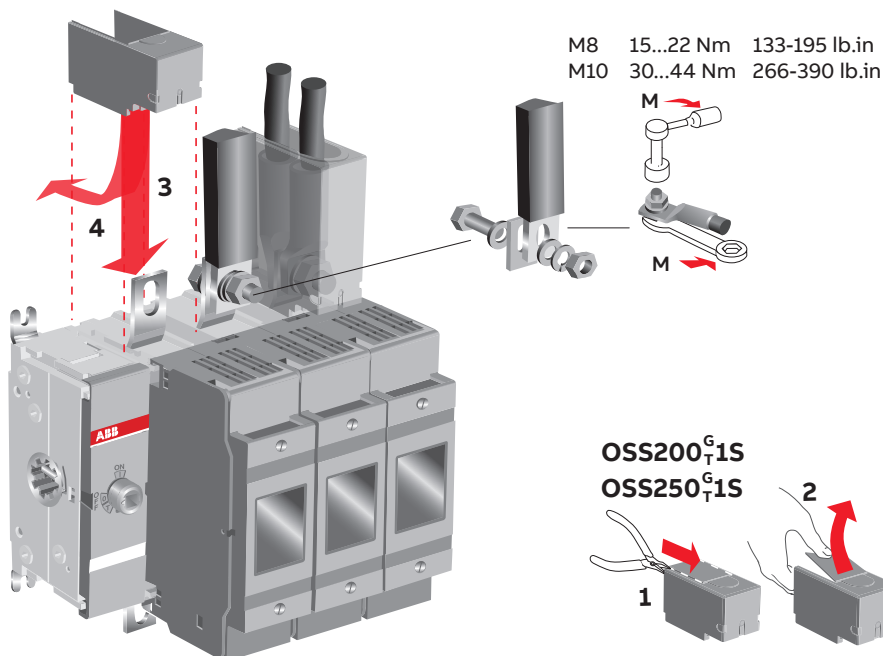
| A | B              | D              |
|---|----------------|----------------|
| 0 | 13 mm / 0.5 in | 13 mm / 0.5 in |

Cable size

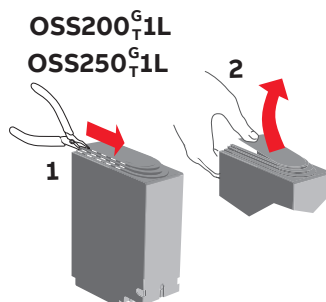
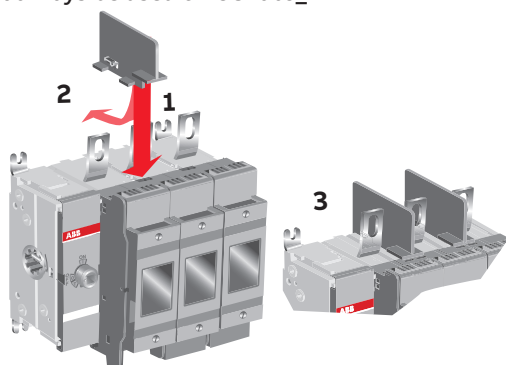
| AWG     | C              | MCM | C               |
|---------|----------------|-----|-----------------|
| 4-3     | 100 mm<br>4 in | 250 | 200 mm<br>8 in  |
| 2       | 100 mm<br>4 in | 300 | 200 mm<br>10 in |
| 1       | 100 mm<br>4 in |     |                 |
| 1/0     | 125 mm<br>5 in |     | 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

# Terminal shrouds

OSS\_



Barriers 68794 or shrouds  
must always be used on OS200J\_



# Terminal clamps

## OZX\_

### OS200

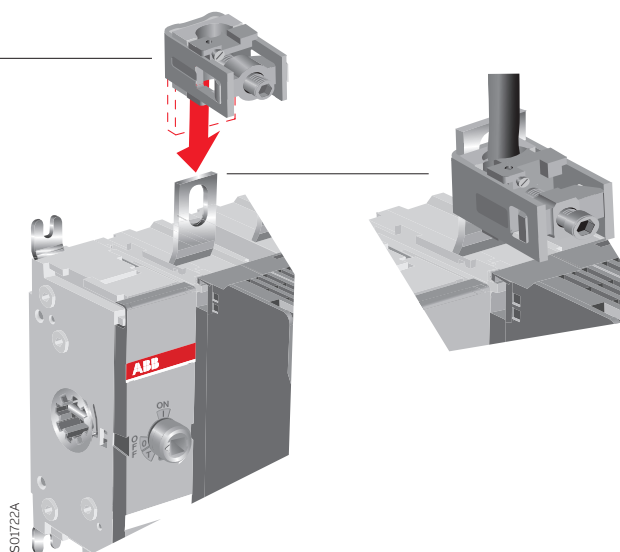
OZXB1L  
OZXB2  
OZXB2L  
OZXB8

### OS250

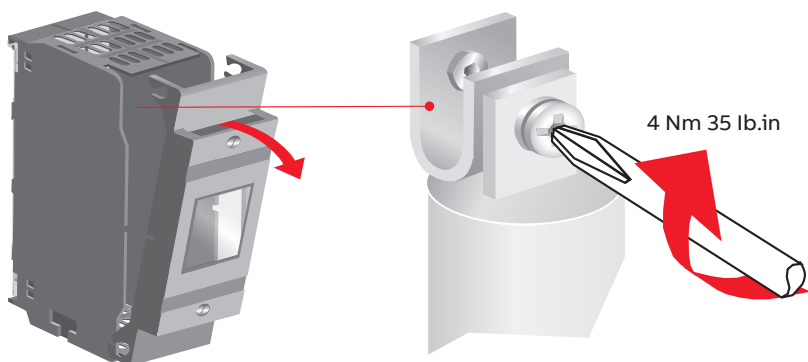
OZXB1L  
OZXB2L  
OZXB3  
OZXB4  
OZXB5  
OZXB7L  
OZXB8

### OS200J

OZXA-200\_  
OZXA-206\_



## Fuse links



501807A



**OS200D\_250D**  
**DIN fuse NH0**



**OS200B\_250B**  
**BS fuse B1**

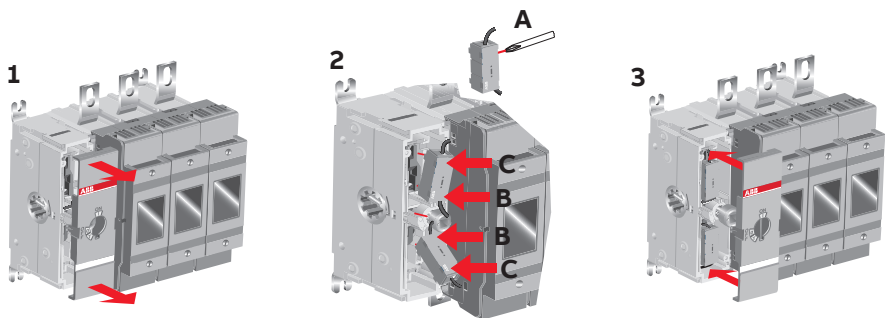


**OS200J**  
**UL fuse J**

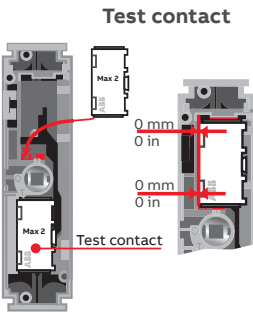
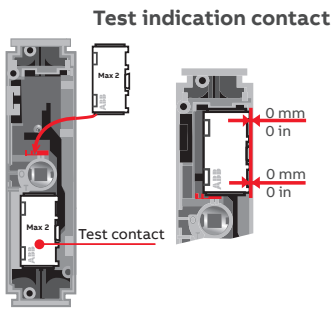


# Auxiliary contacts

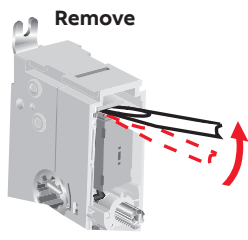
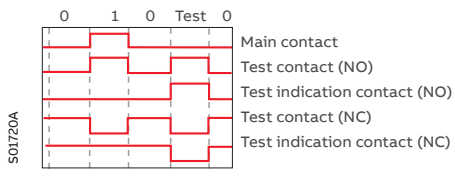
OA\_



**NO: OA1G10**  
**NC: OA3G01**



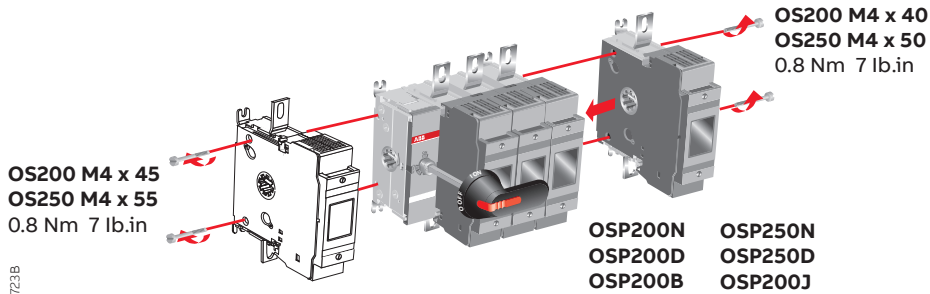
Or





# Fourth pole

OSP\_

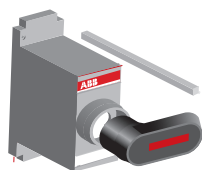


11723B

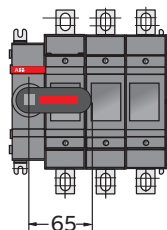
# Direct mount handle

## OSV\_

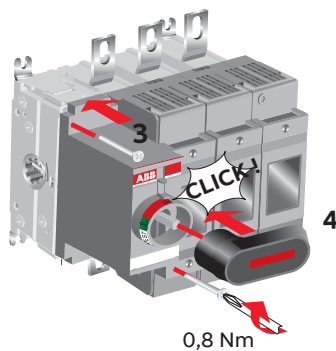
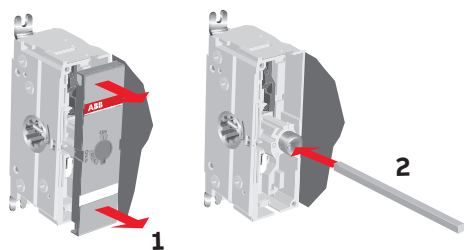
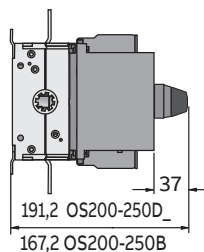
**OSV250DK  
OSV200BK**



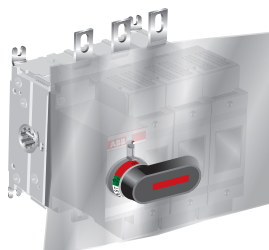
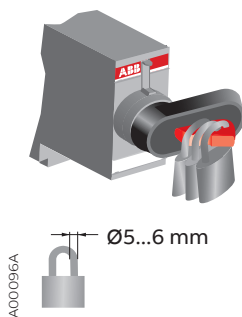
**OS200\_250D03**



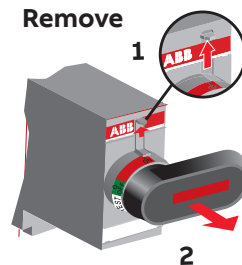
**OS200-250B03**



**Note: Use protection against  
direct contact.  
For example:**

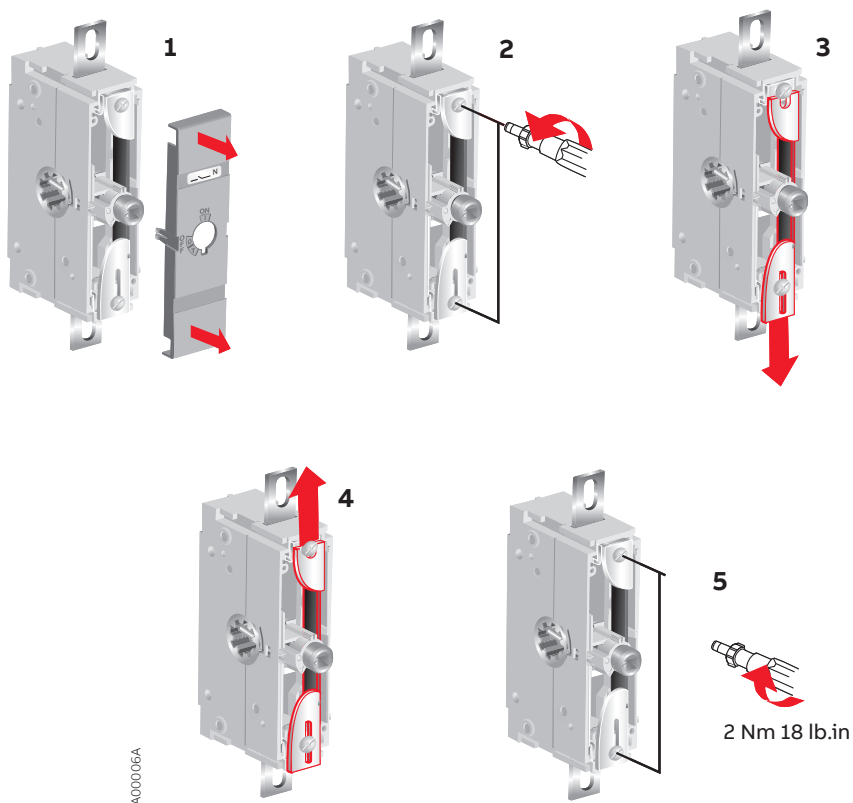


**Remove**



## Neutral link

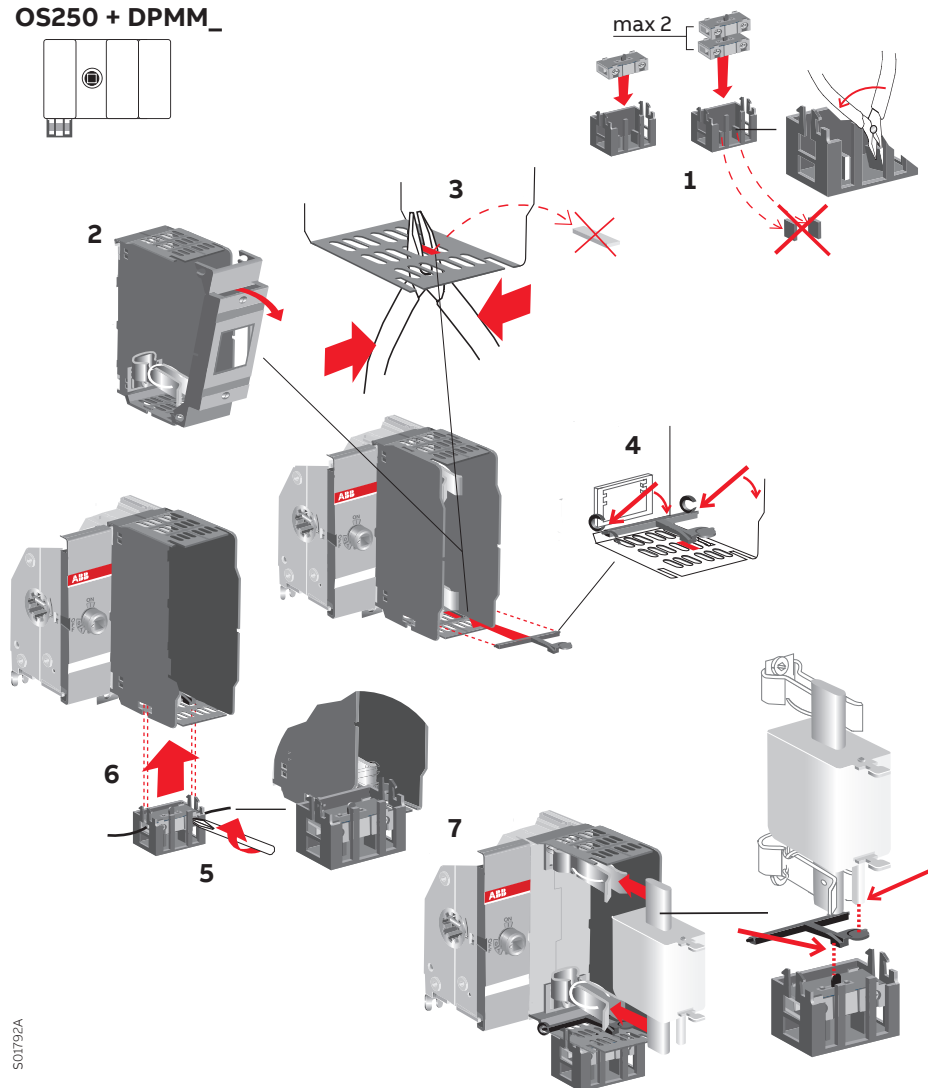
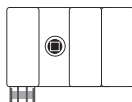
OS\_N3 & OXN250



# Fuse indicator

## DPMM\_

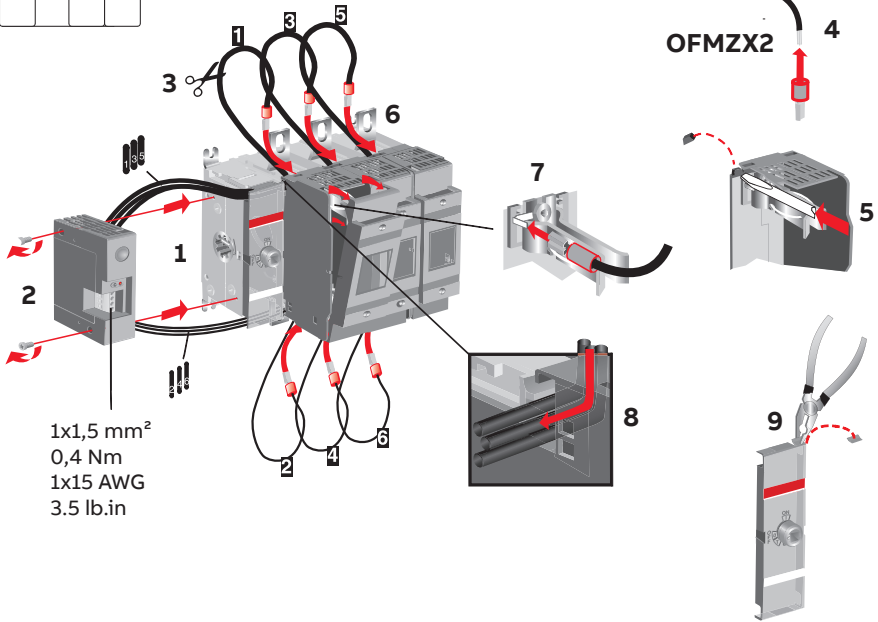
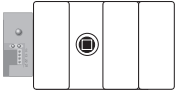
OS250 + DPMM\_



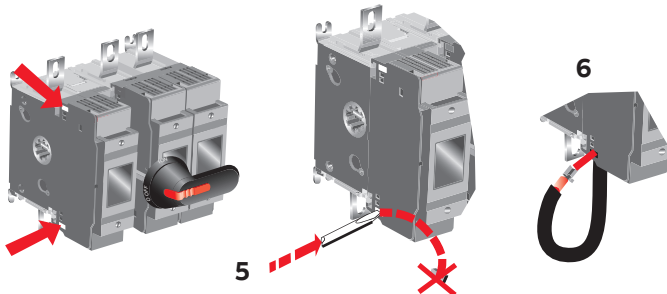
# Electronic fuse monitor

OFS\_

OS200...+OFS\_

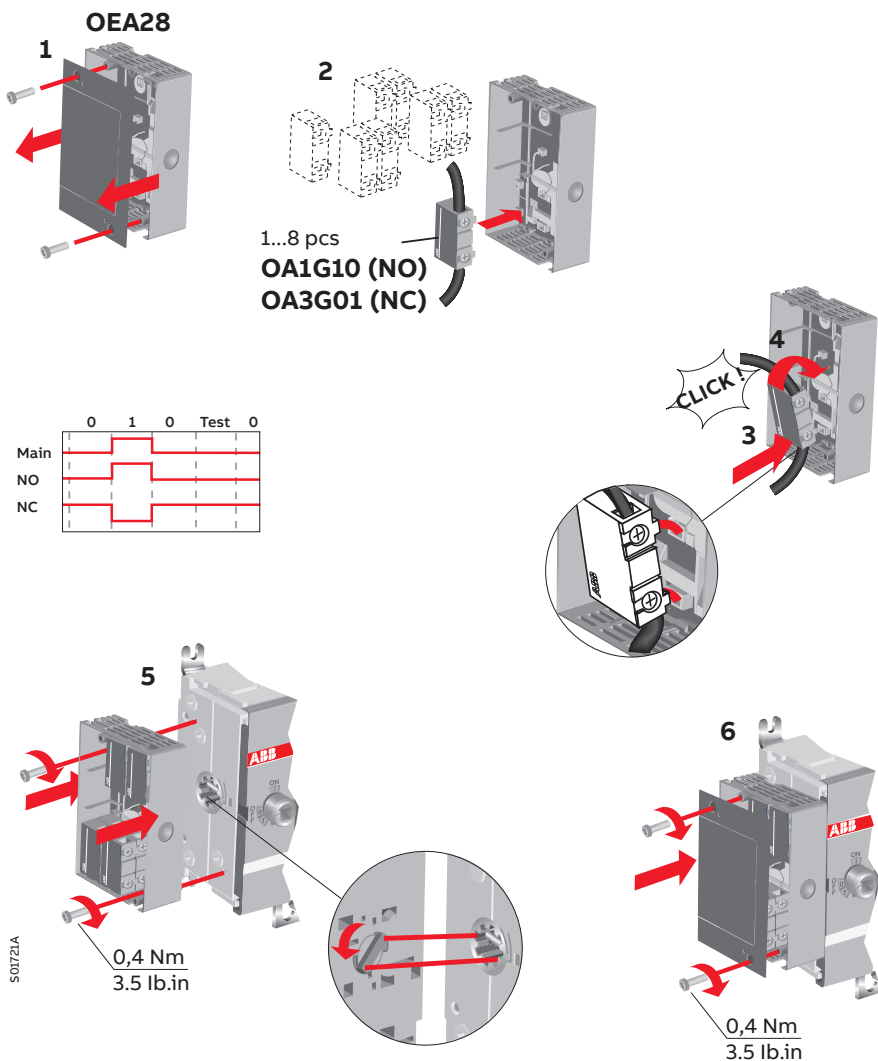


OS200\_250\_12\_22  
OS200J12\_22



# Module for aux contacts

## OEA28\_



# Interlocking

## OSZT1\_

### OSZT1\_

1

The cable is not included in the delivery

A

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

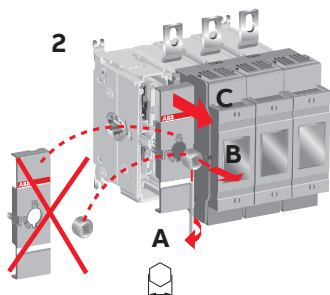
B

C

D

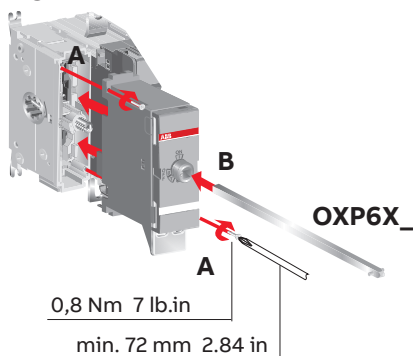
CLICK!

2



2,5 mm 0.1 in

3



0,8 Nm 7 lb.in

min. 72 mm 2.84 in

4

Δ NOTE:  
min. 96 mm  
3.78 in

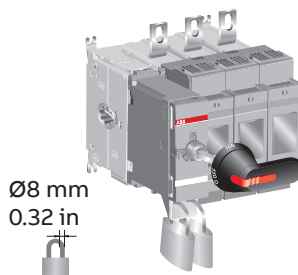


Handle: OH\_65J\_6\_

A

2,5 mm  
0.1 in

### Locking

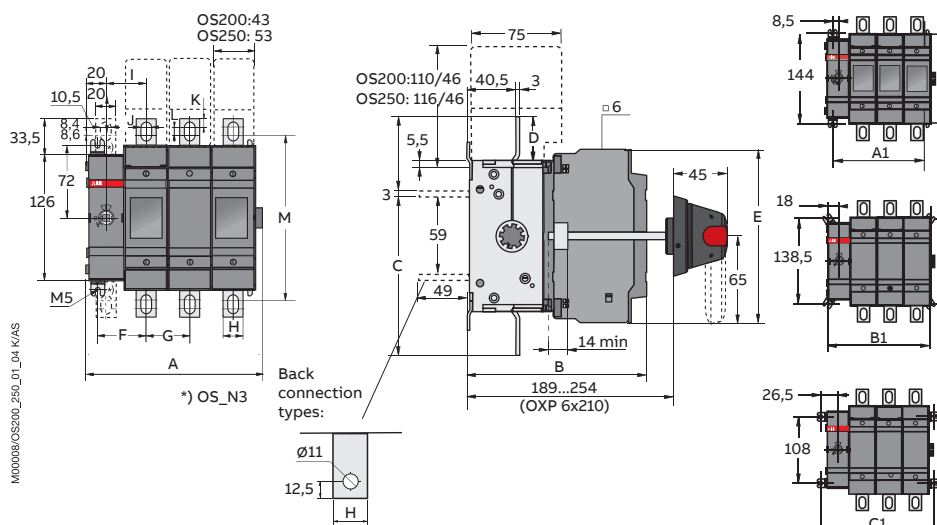


Ø8 mm  
0.32 in



# Dimension drawing

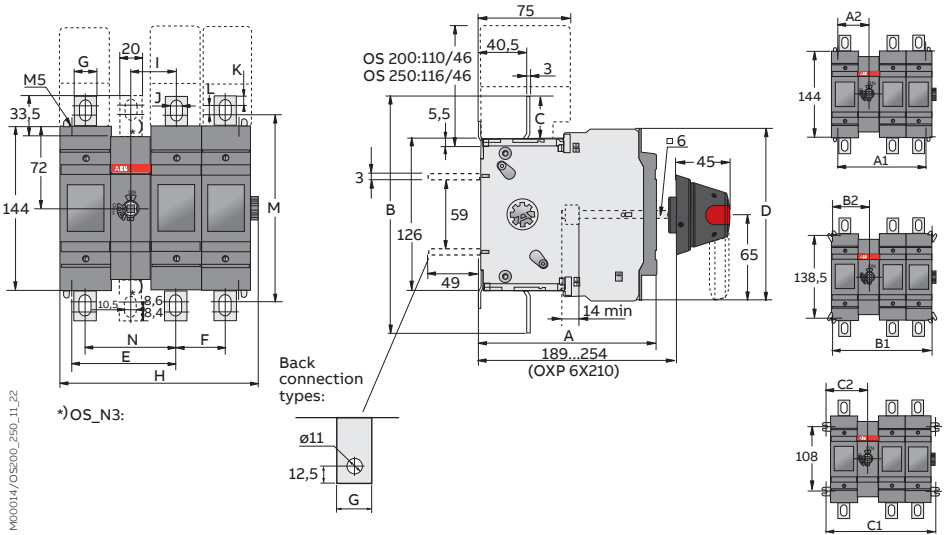
OS200-250 01-04



| mm | OS200-250_01-04 |       |       |       |       |       |       |       |         |         |         |         |
|----|-----------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|
|    | OS200           |       |       |       |       |       |       |       | OS250   |         |         |         |
|    | D01             | B01   | D02   | B02   | D03   | B03   | D04   | B04   | D01/B01 | D02/B02 | D03/B03 | D04/B04 |
| A  | 89,5            | 89,5  | 133   | 133   | 176,5 | 176,5 | 220   | 220   | 99,5    | 153,5   | 207,5   | 261,5   |
| B  | 149             | 130   | 149   | 130   | 149   | 130   | 149   | 130   | 154     | 154     | 154     | 154     |
| C  | 198,5           | 198,5 | 198,5 | 198,5 | 198,5 | 198,5 | 198,5 | 198,5 | 193     | 193     | 193     | 193     |
| D  | 36,5            | 36,5  | 36,5  | 36,5  | 36,5  | 36,5  | 36,5  | 36,5  | 33,5    | 33,5    | 33,5    | 33,5    |
| E  | 144,5           | 144,5 | 144,5 | 144,5 | 144,5 | 144,5 | 144,5 | 144,5 | 148,5   | 148,5   | 148,5   | 148,5   |
| F  | 48,5            | 48,5  | 48,5  | 48,5  | 48,5  | 48,5  | 48,5  | 48,5  | 53,5    | 53,5    | 53,5    | 53,554  |
| G  | -               | -     | 43,5  | 43,5  | 43,5  | 43,5  | 43,5  | 43,5  | -       | 54      | 54      | 54      |
| H  | 20              | 20    | 20    | 20    | 20    | 20    | 20    | 20    | 25      | 25      | 25      | 25      |
| I  | 40              | 40    | 40    | 40    | 40    | 40    | 40    | 40    | 45      | 45      | 45      | 45      |
| J  | 10              | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 11      | 11      | 11      | 22      |
| K  | 8,4             | 8,4   | 8,4   | 8,4   | 8,4   | 8,4   | 8,4   | 8,4   | 11,5    | 11,5    | 11,5    | 11,5    |
| L  | 8,6             | 8,6   | 8,6   | 8,6   | 8,6   | 8,6   | 8,6   | 8,6   | 4       | 4       | 4       | 4       |
| M  | 164,5           | 164,5 | 164,5 | 164,5 | 164,5 | 164,5 | 164,5 | 164,5 | 162     | 162     | 162     | 162     |
| A1 | 60,5            | 60,5  | 104   | 104   | 147,5 | 147,5 | 191   | 191   | 70,5    | 124,5   | 178,5   | 232,5   |
| B1 | 79,5            | 79,5  | 123   | 123   | 166,5 | 166,5 | 210   | 210   | 89,5    | 143,5   | 197,5   | 251,5   |
| C1 | 96,5            | 96,5  | 140   | 140   | 183,5 | 183,5 | 227   | 227   | 106,5   | 160,5   | 214,5   | 268,5   |

# Dimension drawing

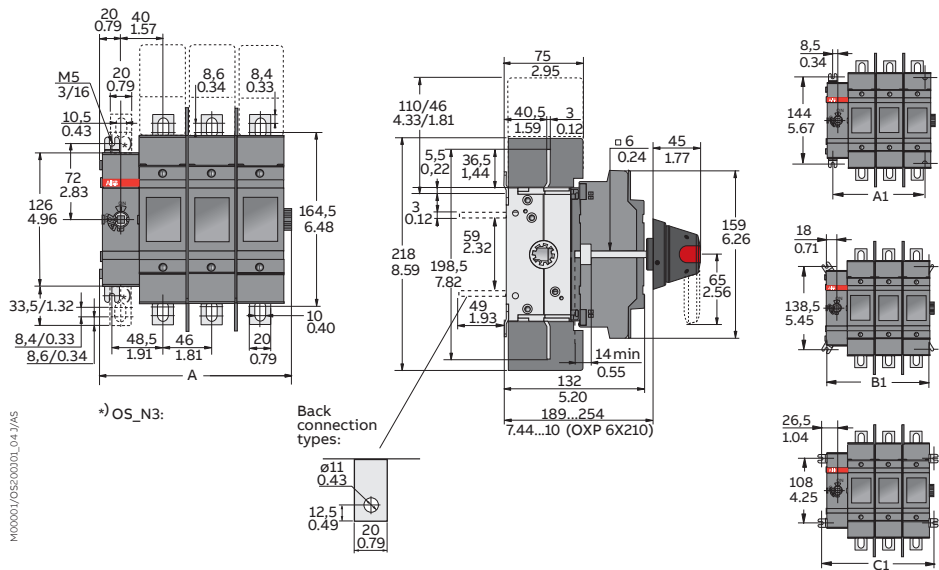
OS200-250\_11-22



| mm | OS200J11-22 |       |       |       |       |       |       |       |         |         |         |         |
|----|-------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|---------|
|    | OS200       |       |       |       |       |       |       |       | OS250   |         |         |         |
|    | D11         | B11   | D12   | B12   | D13   | B13   | D22   | B22   | B11/D11 | B12/D12 | B13/D13 | B22/D22 |
| A  | 149         | 130   | 149   | 130   | 141   | 130   | 149   | 130   | 154     | 154     | 154     | 154     |
| B  | 199         | 199   | 199   | 199   | 199   | 199   | 199   | 199   | 193     | 193     | 193     | 193     |
| C  | 36,5        | 36,5  | 36,3  | 36,5  | 36,5  | 36,5  | 36,5  | 36,5  | 33,5    | 33,5    | 33,5    | 33,5    |
| D  | 144,5       | 144,5 | 144,5 | 144,5 | 144,5 | 144,5 | 144,5 | 144,5 | 148,5   | 148,5   | 148,5   | 148,5   |
| E  | 92          | 92    | 92    | 92    | 92    | 92    | 135,5 | 135,5 | 112,5   | 112,5   | 112,5   | 161     |
| F  | 43,5        | 43,5  | 43,5  | 43,5  | 43,5  | 43,5  | 43,5  | 43,5  | 54      | 54      | 54      | 54      |
| G  | 20          | 20    | 20    | 20    | 20    | 20    | 20    | 20    | 25      | 25      | 25      | 25      |
| H  | 132         | 132   | 175,5 | 175,5 | 219   | 219   | 219   | 219   | 152     | 206     | 260     | 260     |
| I  | 40          | 40    | 40    | 40    | 40    | 40    | 40    | 40    | 45      | 45      | 45      | 45      |
| J  | 10          | 10    | 10    | 10    | 10    | 10    | 10    | 10    | 11      | 11      | 11      | 11      |
| K  | 8,4         | 8,4   | 8,4   | 8,4   | 8,4   | 8,4   | 8,4   | 8,4   | 11,5    | 11,5    | 11,5    | 11,5    |
| L  | 8,6         | 8,6   | 8,6   | 8,6   | 8,6   | 8,6   | 8,6   | 8,6   | 4       | 4       | 4       | 4       |
| M  | 165         | 165   | 165   | 165   | 165   | 165   | 165   | 165   | 162     | 162     | 162     | 162     |
| N  | 80          | 80    | 80    | 80    | 80    | 80    | 80    | 80    | 90      | 90      | 90      | 90      |
| A1 | 104         | 104   | 147,5 | 147,5 | 191   | 191   | 191   | 191   | 124     | 178     | 232     | 232     |
| A2 | 52          | 52    | 52    | 52    | 52    | 52    | 95,5  | 95,5  | 62      | 62      | 62      | 116     |
| B1 | 123         | 123   | 166,5 | 166,5 | 210   | 210   | 210   | 210   | 143     | 197     | 251     | 251     |
| B2 | 61,5        | 61,5  | 61,5  | 61,5  | 61,5  | 61,5  | 105   | 105   | 71,5    | 71,5    | 71,5    | 125,5   |
| C1 | 140         | 140   | 183,5 | 183,5 | 227   | 227   | 227   | 227   | 160     | 214     | 268     | 268     |
| C2 | 70          | 70    | 70    | 70    | 70    | 70    | 113,5 | 113,5 | 80      | 80      | 80      | 134     |

Dimension drawing

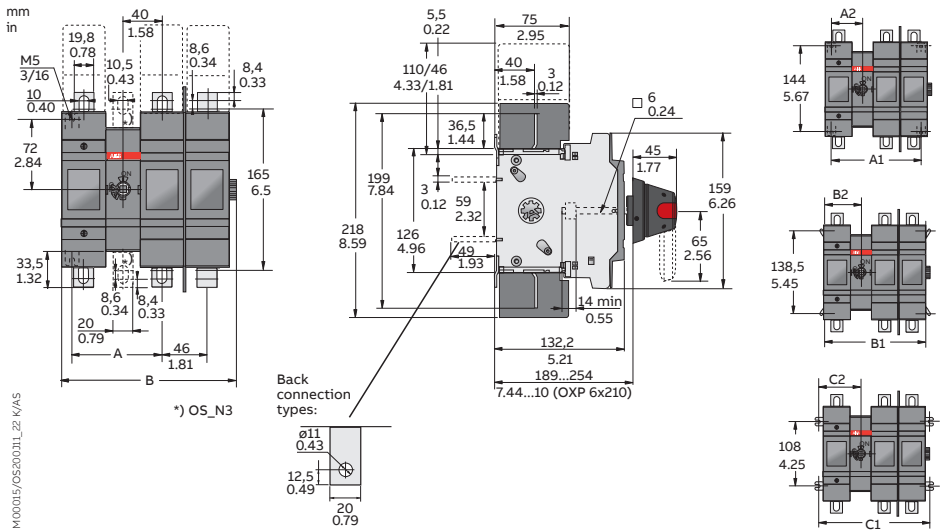
OS200\_J\_



| mm/in | OS200J01-04 |            |            |            |
|-------|-------------|------------|------------|------------|
|       | OS200J01    | OS200J02   | OS200J03   | OS200J04   |
| A     | 89,5/3.52   | 135,5/5.34 | 181,5/7.15 | 227,5/8.96 |
| A1    | 60,5/2.38   | 106,5/4.19 | 152,5/6.00 | 198,5/7.82 |
| B1    | 79,5/3.13   | 125,5/4.94 | 171,5/6.75 | 217,5/8.56 |
| C1    | 96,5/3.80   | 143,5/5.61 | 188,5/7.42 | 234,5/9.23 |

# Dimension drawing

OS200\_J\_



| mm/in | OS200J11-22 |           |           |              |
|-------|-------------|-----------|-----------|--------------|
|       | OS200J11    | OS200J12  | OS200J13  | OS200J22     |
| A     | 92/3.12     | 92/3.62   | 92/3.62   | 138 / 5.43   |
| B     | 132/5.20    | 178/7.01  | 224/8.82  | 224 / 8.82   |
| A1    | 104/4.09    | 150/5.91  | 196/7.72  | 196 / 7.72   |
| A2    | 52/2.05     | 52/2.05   | 52/2.05   | 98 / 3.86    |
| B1    | 106/4.18    | 169/6.65  | 215/8.46  | 215 / 8.46   |
| B2    | 61,5/2.42   | 61,5/2.42 | 61,5/2.42 | 107,5 / 4.23 |
| C1    | 140/5.51    | 186/7.32  | 232/9.13  | 232 / 9.13   |
| C2    | 70/2.76     | 70/2.76   | 70/2.76   | 116 / 4.57   |







|           |                                                                                                                              |
|-----------|------------------------------------------------------------------------------------------------------------------------------|
| <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 leictreiciúil, agus an té sin aháin, 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 elektrotechnikų patirties turintiems asmenims.                               |
| <b>LV</b> | Uzmanību! Bīstami - elektrība! Montāžas darbus drīkst veikt tikai personas, kurām ir atbilstošas elektrotehniskās zināšanas. |
| <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.                           |



---

## Contact us

### **ABB Oy**

P.O. Box 622  
FI-65101 Vaasa  
Finland

**[abb.com/lowvoltage](http://abb.com/lowvoltage)**