INSTALLATION INSTRUCTION

DC switch disconnectors

OTDC800-1600
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Installation
OTDC1000-1600E_ & OTDC800-1000U_

Handle OHB274J12

M8 5/16

TORX T40
4 Nm
35 lb.in

1,2 Nm
11 lb.in
**Connections**

**OZX_**

Circuit 6a, 6b

Suitable for Ungrounded systems.

Circuit 6m

Suitable for Grounded systems, in some installation standards, this connection might NOT be allowed.

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**Clearances and cabling**

Clearances per UL98

Minimum distance to metal enclosure walls

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**Minimum enclosure size of equivalent volume**

<table>
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<tr>
<th>Current [A]</th>
<th>Height [mm/in]</th>
<th>Width [mm/in]</th>
<th>Depth [mm/in]</th>
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<tr>
<td>A</td>
<td>800 / 31.52</td>
<td>600 / 23.64</td>
<td>300 / 11.82</td>
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According to the UL98 standard
Phase barriers

OTB_

Barriers 68912 or OTS__shrouds must be used on all
OTDC 1000E...1600E and
OTDC 800U...1000U__.

Type for package of 6
barriers is OTB1600/S.

Circuits

6a, 6b

6m

Labels
Connection kits

OTB_

OTDC800US22_
OTDC1000US22_

Circuit 6m, 1000 VDC

M12  50...75 Nm
443-664 lb.in

OTDC KIT 1250B11
OTDC KIT 1250B101
Connection kits

OTB_

OTDC1000E22
OTDC1250E22
OTDC1600E22
OTDC800U22
OTDC1000U22

Circuit 6a

Circuit 6b

M12  50...75 Nm
443-664 lb.in

OTDC KIT 1250B11
Shrouds

OTDC1000E22
OTDC1250E22
OTDC1600E22
OTDC800U22
OTDC1000U22

OTDC1000U_
The rated current is limited to max. 980 A when shrouds are used.

OTDC800US22
OTDC1000US22

OTDC1000US_
The rated current is limited to max. 920 A when shrouds are used.

Circuit 6ab, 1000 VDC

Circuit 6m, 1000 VDC
Terminal shrouds
OTS

OTDC1000U22
The rated current is limited to max. 980 A when shrouds are used.

OTDC1000US22
The rated current is limited to max. 920 A when shrouds are used.

OTS1600^G_T1S
OTS1600^G_T1L

M12
50...75 Nm
443-664 lb.in
Auxiliary contact wiring

OA_

1

2

3

4

OR

REMOVE

0 1 0 Test 0

Main contact
Test contact (NO)
Test indication contact (NO)
Test contact (NC)
Test indication contact (NC)

NO: OA1G10
NC: OA3G01

Test contact

Early operation test contact

Test indication contact
Auxiliary contact wiring

1. **OEA28**

2. 1...8 pcs
   - OA1G10 (NO)
   - OA3G01 (NC)

3. CLICK!

4. 0,4 Nm
   - 3.5 lb.in

5. Test contact (NO)
6. Test contact (NC)

Main contact

Main contact

Test contact (NO)

Test contact (NC)
Electronic interlocking

OTV

1. The cable is not included in the delivery

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

3. 4 Nm 35 lb.in Torx 20

4. 1,2 Nm 11 lb.in

5. NOTE: min. 92 mm 3.6 in

Handle OHB274J12

LOCKING

Ø8 mm 0.32 in
Direct handle

OTV1000EK

Note: Use protection against direct contact.

For example:
Dimension drawings
DC SWITCH DISCONNECTORS, OTDC800-1600
Contact us

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