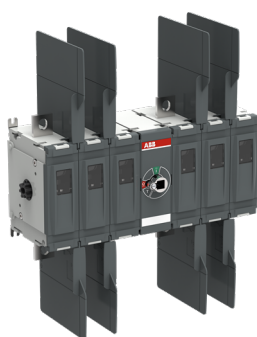


PRODUCT-DETAILS

# OTDC400FV33

## OTDC400FV33 DC Switch-disconnector



### Algemene informatie

Type	OTDC400FV33
Artikelnummer	1SCA158847R1001
EAN	6417019882031
Omschrijving	OTDC400FV33 DC Switch-disconnector
Omschrijving	<p>A fully optimized six-pole DC switch-disconnector for 1500V utility-scale photovoltaic power plants covering 315-500A current range. The new design offers both a size reduction and an increase in efficiency and performance.</p> <p>The six-pole 1500V DC concept helps manufacturers improve system efficiency, reducing switch losses. The compact size of the new OTDC range makes it possible for manufacturers to reduce the size of combiner boxes and inverters.</p> <p>Main characteristics of this particular OTDC type: Disconnect triple PV circuit, Approved according to IEC 60947-1, -3</p>

### Circular Value

ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 59,09 %
Rapport over conflictmineralen (CMRT)	9AKK108467A5658
End of Life Instructions	1SCC301112M0201
Milieuproduktverklaring - EPD	1SCC301247D0201
Group Waste to Landfill Target	Non-hazardous waste is sent to a landfill, where there is no alternative option available within 100km of a facility

Improved Resource Efficiency for Customers	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line
REACH-verklaring	1SCC301240D0201
RoHS-informatie	1SCC301239D0201
Toxic Substances Control Act - TSCA	1SCC301321D0201

## Eco Transparency

Milieuproductverklaring - EPD	1SCC301247D0201
-------------------------------	-----------------

## Ordering

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85353010
Land van herkomst	Finland (FI)

## Popular Downloads

Gegevensblad, technische informatie	1SCC301022C0201
Instructies en handleidingen	1SCC301099M0201 9AKK107492A6191
Mechanische tekeningen	OTDC315-500F33_stp OTDC315-500F33_igs 1SCC307666F0001 1SCC307667F0001
Schakelschema	1SCC301040K0201
Milieuproductverklaring - EPD	1SCC301247D0201
End of Life Instructions	1SCC301112M0201

## Dimensions

Productframegrootte	M
Product netto breedte	353.5 mm 13.9 in
Product netto hoogte	211 mm 8.3 in
Product netto diepte	135 mm 5.3 in
Product netto gewicht	11.1 kg 24.6 lb

## Technical

Verbindingsconfiguratie	Triple circuit 7a,7e
Nominale bedrijfsstroom DC-21B ( $I_n$ )	(1500 V) 400 A
Nominale bedrijfsstroom DC-22B	(1500 V) 400 A
Rated Operational Current DC-PV1	(1500 V) 400 A
Rated Operational Current	(1500 V) 400 A

## DC-PV2

Conventionele vrije-lucht thermische stroom ( $I_{th}$ )	$\Theta = 40\text{ }^{\circ}\text{C}$ 400 A
Conventionele thermische stroom ( $I_{the}$ )	Fully Enclosed 400 A
Nominale impuls grensvoltage ( $U_{imp}$ )	12 kV
Nominaal isolatievoltage ( $U_i$ )	1500 V
Nominaal bedrijfsvoltage	1500 V
Nominaal kortsluitinschakelvermogen ( $I_{cm}$ )	(1500 V DC) 10 kA
Nominale kortstondige grensstroom ( $I_{cw}$ )	(1500 V DC) 10 kA for 1 s 10 kA
Vermogensverlies	at Rated Operating Conditions per Pole 12...13 W
Verontreinigingsgraad	3
Type verwerken	Handle and shaft not included
Positieve openingsbediening koppel (Directe openingsactie)	18 ... 35 N·m
Diameter schacht	12 mm 0.47 in
Schakelbedieningsmechanisme	Mechanism Between the Poles 33 (Between the Poles)
Positie van lijnklemmen	Top In - Bottom Out Bottom In - Top Out
Bedieningsmodus	Front Operated
Normen	IEC 60947-1, -3
Speciale functies	No
Montagetype	Base mounting
Aantal circuits	3
Aantal polen	6
Beschermingsgraad	Front IP20
Terminaltype	Lug terminals
Terminalbreedte	30 mm 1.2 in
Mechanische duurzaamheid	10000 cycle
Gebruik	Photovoltaic
Bedrijfsklasse	Switching of resistive loads, including moderate overloads - occasional actuation (DC-21B) Switching of mixed resistive and inductive loads, including moderate overloads (i.e. shunt motors) - occasional actuation (DC-22B) Switching of single PV string(s) without reverse and overcurrents (DC-PV1) Switching of several PV string(s) with reverse and overcurrents (DC-PV2)

---

**Environmental**


---

RoHS-status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	1SCC301321D0201

---

**Certificates and Declarations**


---

CCC-certificaat	CQC2019010302206498
Conformiteitsverklaring - CE	1SCC301227D2701

Declaration of Conformity - UKCA	1SCC301313D0201
DNV GL-certificaat	1SCC301231D0201
REACH-verklaring	1SCC301240D0201

## Container Information

Pakketniveau 1 Units	doos 1 stuk
Pakketniveau 1 Breedte	310 mm 12.2 in
Pakketniveau 1 Lengte	410 mm 16.1 in
Pakketniveau 1 Hoogte	200 mm 7.9 in
Pakketniveau 1 Brutogewicht	11.7 kg 25.7 lb
Pakketniveau 1 EAN	6417019882031

## Classifications

Object classificatiecode	Q
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Lastscheider
ETIM 9	EC000216 - Lastscheider
eClass	V11.1 : 27371403
WEEE-categorie	5. Small Equipment (No External Dimension More Than 50 cm)

## Categorieën

Laagspanningsproducten en -systemen → Schakelaars → DC-lastscheiders

