

PRODUCT-DETAILS

OTDC400UFV11-ESS

OTDC400UFV11-ESS PV Disconnect Switch



Informations générales

Extension du type de produit	OTDC400UFV11-ESS
Code de produit	1SCA158216R1001
EAN	6417019873213
Description courte	OTDC400UFV11-ESS PV Disconnect Switch
Description longue	ABB offers new OTDC Switch-disconnectors specially designed for reliable switching for ESS applications where higher performance is needed. They are durable and virtually maintenance-free, and offer easy installation for all imaginable situations. Depending on the ESS layout and the customer's wishes, the OTDC switch-disconnectors may be used in one or more sections of the overall setup, for the battery protection. Main characteristics of this particular OTDC type: Rated conditional short circuit current with fuses is 30kA, 2-Pole, 1500Vdc, Approved according to UL98B and IEC 60947-1,-3

Valeur Circulaire

ABB EcoSolutions	Oui
Principes du Design Circulaire - Taux de Recyclabilité	Conçu pour utiliser des ressources recyclables et réutilisables - Norme EN45555 - 59,09 %
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Instructions relatives à la fin de vie	1SCC301112M0201
Environmental Product Declaration - EPD	1SCC301247D0201
Déchets destinés à	Déchet non-dangereux mis en décharge, lorsqu'il n'existe aucune autre

l'enfouissement en décharge - Destination	alternative à moins de 100km d'un bâtiment - Atteint
Amélioration de l'efficacité des ressources pour les clients	Efficacité du produit - Produit considéré comme plus économe en énergie par rapport à un produit similaire sur le marché. - Atteint
REACH Declaration	1SCC301240D0201
Informations RoHS	1SCC301239D0201

Eco Transparence

Environmental Product Declaration - EPD	1SCC301247D0201
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Commande

Quantité minimum	1 pièce
Code douanier	85353010
Pays d'origine	Finland (FI)

Downloads Préférés

Fiche produit, informations techniques	1SCC301022C0201
Instructions et manuels	1SCC301099M0201 9AKK107492A6191
Mechanical Drawings	OTDC250-600UFV11_stp OTDC250-600UFV11_igs 1SCC307658F0001 1SCC307659F0001
Wiring Diagram	1SCC301030K0201
Environmental Product Declaration - EPD	1SCC301247D0201
Instructions relatives à la fin de vie	1SCC301112M0201

Dimensions

Dimensions Cadre du produit	M
Produit Largeur Net	157.5 mm 6.2 in
Produit Hauteur Net	211 mm 8.3 in
Produit Longueur Net	135 mm 5.3 in
Poids net	3.5 kg 7.7 lb

Technique

Configuration Connexion	Single circuit 2a, 2b
Rated Operational Current DC-21B (I _o)	(1500 V) 500 A
Rated Operational Current DC-22B	(1500 V) 400 A
Rated Operational Current DC-PV1	(1500 V) 500 A
Rated Operational Current DC-PV2	(1500 V) 400 A

Courant thermique conventionnel à l'air libre (I_{th})	q = 40 °C 500 A
Conventional Thermal Current (I_{the})	Fully Enclosed 500 A
Tension assignée de tenue aux chocs (U_{imp})	12 kV
Tension assignée d'isolement (U_i)	1500 V
Tension	1500 V
Rated Short-Circuit Making Capacity (I_{cm})	(1500 V DC) 20 kA
Courant assigné de courte durée admissible (I_{cw})	(1500 V DC) 10 kA for 1 s 10 kA for 0.1 s 20 kA
Rated Conditional Short-Circuit Current (I_{nc})	(1500 V DC) 30 kA
Protection Type	Fuselink max. 400A, ETI, Cat.no 004110 followed by 632, 637 or 642.
Power Loss	at Rated Operating Conditions per Pole 18...20 W
Degré de pollution	3
Handle Type	Handle and shaft not included
Positive Opening Operation Torque (Direct Opening Action)	11 ... 19 N·m
Diamètre d'arbre	12 mm 0.47 in
Switches Operating Mechanism	Mechanism Between the Poles 11 (Between the Poles)
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Mode de fonctionnement	Front Operated
Normes et standards	UL98B and IEC 60947-1, -3
Fonctions spéciales	No
Type de montage	Base mounting
Number of Circuits	1
Nombre de pôles	2
Indice de protection	Front IP20
Type de borne	Lug terminals
Terminal Width	30 mm 1.2 in
Couple de serrage	Cable Lug 50 ... 75 N·m Cable Lug 443 ... 664 lbf·in
Durabilite mecanique	10000 cycle
Utilization	Energy Storage System (ESS)
Utilization Category	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)

Technique UL/CSA

Maximum Operating Voltage	1500Vdc, UL 98B
Ampere Rating	400A, 1500Vdc, UL98B
Short-Circuit Current Rating (SCCR)	Any UL Listed Fuses or Circuit-Breakers 10 kA Fuse, see Catalog 30 kA
Couple de serrage	Cable Lug 50 ... 75 N·m Cable Lug 443 ... 664 lbf·in

Environnement

Statut RoHS

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Certificats et Déclarations (Numéro de document)

CCC Certificate	CQC2019010302206498
Déclaration de Conformité - CE	1SCC301227D2701
Declaration of Conformity - UKCA	1SCC301313D0201
DNV GL Certificate	1SCC301231D0201
Environmental Product Declaration - EPD	1SCC301247D0201
Instructions et manuels	1SCC301099M0201 9AKK107492A6191
REACH Declaration	1SCC301240D0201
Informations RoHS	1SCC301239D0201
Certificat UL	UL certificate OTDC250-1000UF

Emballage

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Largeur	220 mm 8.7 in
Emballage Niveau 1 Longueur	250 mm 9.8 in
Emballage Niveau 1 Hauteur	210 mm 8.3 in
Emballage Niveau 1 Poids	3.8 kg 8.3 lb
Emballage Niveau 1 EAN	6417019873213

Classifications

Code de classification d'objet	Q
ETIM 5	EC000216 - Switch disconnecter
ETIM 6	EC000216 - sectionneur de charge
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
ETIM 9	EC000216 - Switch disconnecter (low voltage)
UNSPSC	39122233
eClass	V11.1 : 27371403
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)

Catégories

Produits basse tension → Interrupteurs → DC Switch-Disconnectors

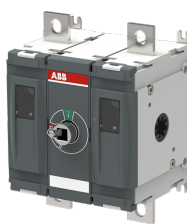
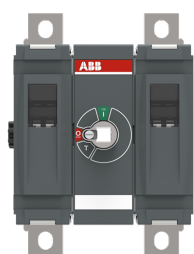


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