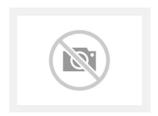


PRODUCT-DETAILS

OTDC100U22 OTDC100U22 PV Disconnect Switch



General Information	
Extended Product Type	OTDC100U22
Product ID	1SCA126180R1001
EAN	6417019561608
Catalog Description	OTDC100U22 PV Disconnect Switch
Long Description	OTDC100U22 PV Disconnect Switch, Terminal bolt kit included, Handle and shaft need to be ordered separately, Base mounting, UL 1000 VDC 100 A, IEC 1000 VDC 160 A
Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85363030
Popular Downloads	
Data Sheet, Technical Information	1SCC301022C0201
Instructions and Manuals	1SCC301081M0206
Mechanical Drawings	OTDC100_200U22.igs 1SCC307583F0201 1SCC307584F0201
Wiring Diagram	1SCC301033K0201

Product Net Width 185.4 mm Product Net Height 282 mm Product Net Depth / 90.5 mm Length 3.6 ii Product Net Weight 2.2 kg Froduct Net Weight 4.5 ii Technical Technical Connection Configuration Double circuit 4a.4 ii Rated Operational Current Oc.2*18 (Jg) (1000 V) 160 / Corventional Free-air 160 / Thermal Current (Imm) Fully Enclosed 160 / Conventional Free-air 160 / Thermal Current (Imm) Fully Enclosed 160 / Conventional Free-air 160 / Thermal Current (Imm) Fully Enclosed 160 / Rated Impulse Withstand 12 kt U(I) Rated Insulation Voltage 1500 V (I) Rated Operational Voltage 1000 V Rated Short-Circuit (1000 V DC) 10 kg Marked Short-Circuit (1000 V DC) 10 kg Marked Short-Circuit (1000 V DC) 10 kg Profused Current (Imm) 6 rs 1 s 1 kg Profused Current (Imm) 6 rs 1 s 1 kg	Dimensions	
Product Net Height 262 mm	Product Frame Size	ξ
Toduct Net Depth /	Product Net Width	
Length 3.5 in Product Net Weight 2.2 is 4.3 li	Product Net Height	
Technical Connection Configuration Double circuit 4.a. 4c Rated Operational Current (1000 V) 160 / DC 218 (I _I) Conventional Free-air 160 / Thermal Current (I _{II}) Conventional Thermal Current (I _{II}) Rated Impulse Withstand 12 kt Voltage (I _{II}) Rated Insolution Votage (I _{II}) (I _I) Rated Operational Votage 1500 \ (I _I) (I _I) Rated Operational Votage 1600 \ (I _I) (I _I) Rated Short-Circuit (I _{II}) (I _I) (I	•	90.5 mm 3.6 ir
Connection Configuration Double circuit 4a, 4a, Rated Operational Current DC-21B (L) (1000 V) 160 A Conventional Free-air 160 A Thermal Current (I _{th}) 160 A Conventional Thermal Current (I _{th}) Fully Enclosed 160 A Conventional Thermal Current (I _{th}) 12 kV Conventional Thermal Current (I _{th}) 12 kV Rated Inpulse Withstand Voltage (U _{th}) 1500 V Rated Insulation Voltage (U _{th}) 1500 V Rated Short-Circuit Making Capacity (I _{cm}) (1000 V DC) 10 kA Rated Short-Lime (1000 V DC) 10 kA Withstand Current (I _{cw}) 16 to 15 to 15 kA Protection Type Circuit breake Power Loss at Rated Operating Conditions per Pole 4 W Pollution Degree 3 Handle Type Handle and shaft not includes Shaft Diameter 6 mm Switches Operating Mechanism Between the Poles Position of Line Terminals 7 to 1 in 10 kA Standards UL98B and IEC 60947-1.3 Special Functions No Mounting Type Base mounting Number of Circuits	Product Net Weight	2.2 kg 4.9 lb
Rated Operational Current Do-21B (L) (1000 V) 160 A Conventional Free-air 160 A Thermal Current (I _m) Fully Enclosed 160 A Conventional Thermal Current (I _m) Fully Enclosed 160 A Conventional Thermal Current (I _m) 12 kV Conventional Thermal Current (I _m) 12 kV Rated Impulse Withstand Voiltage (U _I) 1500 V Rated Insulation Voitage (U _I) 1000 V Rated Short-Circuit Making Capacity (I _{cm}) (1000 V DC) 10 kA Rated Short-Lime (1000 V DC) 10 kA Withstand Current (I _{cw}) 16 1 5 kV Protection Type Circuit breake Power Loss at Rated Operating Conditions per Pole 4 W Pollution Degree 3 Handle Type Handle and shaft not includes Switches Operating Mechanism Between the Poles Position of Line Terminals 22 (Between the Poles Standards UL988 and ICC 60947-1, 35 Special Functions No. Mounting Type Base mounting Number of Circuits 2 Terminal Type Lug terminals	Technical	
Rated Operational Current Do-21B (L) (1000 V) 160 A Conventional Free-air 160 A Thermal Current (I _m) Fully Enclosed 160 A Conventional Thermal Current (I _m) Fully Enclosed 160 A Conventional Thermal Current (I _m) 12 kV Conventional Thermal Current (I _m) 12 kV Rated Impulse Withstand Voiltage (U _I) 1500 V Rated Insulation Voitage (U _I) 1000 V Rated Short-Circuit Making Capacity (I _{cm}) (1000 V DC) 10 kA Rated Short-Lime (1000 V DC) 10 kA Withstand Current (I _{cw}) 16 1 5 kV Protection Type Circuit breake Power Loss at Rated Operating Conditions per Pole 4 W Pollution Degree 3 Handle Type Handle and shaft not includes Switches Operating Mechanism Between the Poles Position of Line Terminals 22 (Between the Poles Standards UL988 and ICC 60947-1, 35 Special Functions No. Mounting Type Base mounting Number of Circuits 2 Terminal Type Lug terminals	Connection Configuration	Double circuit 4a, 4c
Thermal Current (IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		(1000 V) 160 A
Current (I _{the}) Rated Impulse Withstand Voltage (U _{mp}) 1500 Voltage (U _{mp}) Rated Insulation Voltage (U _{np}) 1500 Voltage (U _{mp}) 1500 Voltage (U _{mp}) Rated Operational Voltage 1000 V 1000 V Rated Short-Circuit (1000 V DC) 10 k/z (1000 V DC) 10 k/z Making Capacity (I _{cm}) (1000 V DC) 10 k/z (1000 V DC) 10 k/z Rated Short-time (1000 V DC) 10 k/z (1000 V DC) 10 k/z (1000 V DC) 10 k/z Withstand Current (I _{Cw}) for 1 s 5 k/z for 0 1 s 10 k/z (1000 V DC)		160 A
Voltage (U _{imp}) 1500 V Rated Insulation Voltage (U _i) 1500 V Rated Operational Voltage 1000 V Rated Short-Circuit (1000 V DC) 10 k/l (1000 V DC) (1000 V DC) 10 k/l (1000 V DC) Making Capacity (I _{cm}) (1000 V DC) 10 k/l (15 S K/l (15		Fully Enclosed 160 A
(U ₁) Rated Operational Voltage 1000 N Rated Short-Circuit (1000 V DC) 10 K/m Making Capacity (I _{cm}) (1000 V DC) 10 K/m Rated Short-time (1000 V DC) 10 K/m Withstand Current (I _{cw}) for 1 s 15 K/m Protection Type Circuit breake Power Loss at Rated Operating Conditions per Pole 4 W/m Pollution Degree 3 Handle Type Handle and shaft not included Shaft Diameter 6 mm Switches Operating Mechanism Between the Poles Mechanism 22 (Between the Poles Mechanism 22 (Between the Poles Position of Line Terminals Top In - Bottom Ou Operating Mode Front Operated Standards UL98B and IEC 60947-1, - Special Functions No Mounting Type Base mounting Number of Circuits 2 Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Type Lug terminals	•	12 k\
Rated Short-Circuit (1000 V DC) 10 k/s Making Capacity (I _{cm}) Rated Short-time (1000 V DC) 10 k/s Making Capacity (I _{cm}) Rated Short-time (1000 V DC) 10 k/s for 1 s 5 k/s for 0.1 s 10 k/s for 1 s 5 k/s for 0.1 s 10 k/s for		1500 \
Making Capacity (I _{cm}) Rated Short-time (100 V DC) 10 kA for 1 s 5 kA for 0.1 s 10 kA Frotection Type Circuit breaker Protection Type Circuit breaker Power Loss at Rated Operating Conditions per Pole 4 W Pollution Degree 3 Handle Type Handle and shaft not included Shaft Diameter 6 mm 0.24 in Switches Operating Mechanism Between the Poles Mechanism 22 (Between the Poles Mechanism 22 (Between the Poles Standards UL98B and IEC 60947-1, -3 Special Functions Note Mounting Type Base mounting Number of Circuits 2 Number of Poles Carreninal Type Lug terminals 19.5 mm Terminal Type Lug terminals 19.5 mm Terminal Width 19.5 mm	Rated Operational Voltage	1000 V
Withstand Current (Icw) For 1 s 5 Kd for 0.1 s 10 Kd For 0.1		(1000 V DC) 10 kA
Power Loss at Rated Operating Conditions per Pole 4 M Pollution Degree 3 Handle Type Handle and shaft not included Shaft Diameter 6 mm 0.24 ir Switches Operating Mechanism Between the Poles Mechanism 22 (Between the Poles Position of Line Terminals 7 pp In - Bottom Ou Bottom In - Top Ou Operating Mode Front Operated Standards UL98B and IEC 60947-1, -3 Special Functions No Mounting Type Base mounting Number of Circuits 2 Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width 19.5 mm		(1000 V DC) 10 kA for 1 s 5 kA for 0.1 s 10 kA
Pollution Degree Handle Type Handle and shaft not included Shaft Diameter 6 mm 0.24 ir Switches Operating Mechanism Between the Poles Mechanism 22 (Between the Poles Position of Line Terminals Top In - Bottom Ou Bottom In - Top Ou Operating Mode Front Operated Standards UL98B and IEC 60947-1, -3 Special Functions No Mounting Type Base mounting Number of Circuits Number of Poles Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width 19.5 mm	Protection Type	Circuit breake
Handle Type Handle Type Handle and shaft not included to the poles of protection Shaft Diameter Switches Operating Mechanism Between the Poles Mechanism 22 (Between the Poles Position of Line Terminals Top In - Bottom Our Bottom In - Top O	Power Loss	at Rated Operating Conditions per Pole 4 W
Shaft Diameter 6 mm 0.24 ir Switches Operating Mechanism Between the Poles Mechanism 22 (Between the Poles Mechanism Output In - Bottom Output In - Top Output	Pollution Degree	3
Switches Operating Mechanism Between the Poles Mechanism Mechanism Between the Poles Mechanism C22 (Between the Poles Position of Line Terminals Top In - Bottom Our Bottom In - Top Our B	Handle Type	Handle and shaft not included
Mechanism 22 (Between the Poles Position of Line Terminals Top In - Bottom Ou Bottom In - Top Ou Operating Mode Front Operated Standards UL98B and IEC 60947-1, -3 Special Functions No Mounting Type Base mounting Number of Circuits Number of Poles Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width	Shaft Diameter	6 mm 0.24 in
Degrating Mode Front Operated Standards UL98B and IEC 60947-1, -3 Special Functions No Mounting Type Base mounting Number of Circuits Quantum Poles Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width		Mechanism Between the Poles 22 (Between the Poles)
Standards UL98B and IEC 60947-1, -3 Special Functions No Mounting Type Base mounting Number of Circuits 2 Number of Poles 2 Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width 19.5 mm	Position of Line Terminals	Top In - Bottom Ou Bottom In - Top Ou
Special Functions Mounting Type Base mounting Number of Circuits Number of Poles Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width	Operating Mode	Front Operated
Mounting Type Number of Circuits Number of Poles Degree of Protection Terminal Type Lug terminals Terminal Width	Standards	UL98B and IEC 60947-1, -3
Number of Circuits Number of Poles Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width	Special Functions	No
Number of Poles Degree of Protection Terminal Type Lug terminals Terminal Width	Mounting Type	Base mounting
Degree of Protection Front IP20 Terminal Type Lug terminals Terminal Width 19.5 mm	Number of Circuits	2
Terminal Type Lug terminals Terminal Width 19.5 mm	Number of Poles	4
Terminal Width 19.5 mm	Degree of Protection	Front IP20
	Terminal Type	Lug terminals
	Terminal Width	19.5 mm 0.77 in

Tightening Torque Cable Lug 15...22 N·m

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	1000 V DC
Ampere Rating UL/CSA	1000VDC 100 A
Tightening Torque UL/CSA	Cable Lug 1012 N·m Cable Lug 133195 lbf·in

Environmental

RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	NA

Certificates and Declarations (Document Number)

CCC Certificate	CCC OTDC100-250.pdf
CSA Certificate	CSA Letter_of_Attestation OTDC100-200.pdf
Declaration of Conformity - CE	1SCC301201D2703
DNV GL Certificate	1SCC301231D0201
Environmental Information	NA
Instructions and Manuals	1SCC301081M0206
RoHS Information	1SCC301206D0205
UL Certificate	UL certificate OTDC100-200.pdf

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	220 mm
	8.7 in
Package Level 1 Depth /	260 mm
Length	10.2 in
Package Level 1 Height	155 mm
	6.1 in
Package Level 1 Gross	2.6 kg
Weight	5.7 lb
Package Level 1 EAN	6417019561608

Classifications

Object Classification Code	
ETIM 5	EC000216 - Switch disconnector
ETIM 6	EC000216 - Switch disconnector
ETIM 7	EC000216 - Switch disconnector
UNSPSC	39122233
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

OTDC100U22 4

Categories

Low Voltage Products and Systems \rightarrow Switches \rightarrow DC Switch-Disconnectors

