



PRODUCT-DETAILS

OT500E21

OT500E21 SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT500E21
Product ID	1SCA114847R1001
EAN	6417019472553
Catalog Description	OT500E21 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted switch-diconductor, handle and shaft are not included, terminal bolt kit included

ABB EcoSolutions	
End Of Life Disassembling Instructions	1SCC301118M0201
Environmental Information	1SCC301149D0202
Environmental Product Declaration - EPD	1SCC301283D0201

Material Compliance	
Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Toxic Substances Control Act - TSCA	1SCC011025D0201

Popular Downloads	
Data Sheet, Technical Information	1SCC301020C0201
Instructions and Manuals	1SCC301035M0019
Environmental Product Declaration - EPD	1SCC301283D0201

Environmental	
Degree of Protection	Front IP00
Environmental Information	1SCC301149D0202
Pollution Degree	3

Ordering	
Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country of Origin	Finland (FI)

Dimensions	
Product Net Width	196 mm
Product Net Height	185 mm
Product Net Depth / Length	107 mm
Product Net Weight	2.8 kg 6.2 lb

Container Information	
Package Level 1 Units	box 1 piece
Package Level 1 Width	220 mm 8.7 in
Package Level 1 Depth / Length	260 mm 10.2 in
Package Level 1 Height	155 mm 6.1 in
Package Level 1 Gross Weight	3.2 kg 7 lb
Package Level 1 EAN	6417019472553

Technical

Conventional Free-air Thermal Current (I_{th})	$\Theta = 40\text{ °C}$ 500 A
Conventional Thermal Current (I_{the})	Fully Enclosed 500 A
Degree of Protection	Front IP00
Distance Between Phases	Standard
Handle Type	Handle and shaft not included
Lock Type	No
Mounting Type	Base mounting
Number of Poles	3P
Operating Mode	Front operated
Pollution Degree	3
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Power Loss	at Rated Operating Conditions per Pole 16 W
Rated Impulse Withstand Voltage (U_{imp})	12 kV
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 1000 V
Rated Operational Current AC-21A (I_e)	(380 ... 415 V) 500 A (500 V) 500 A (690 V) 500 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 500 A (500 V) 400 A (690 V) 400 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 400 A (500 V) 400 A (690 V) 400 A
Rated Operational Power AC-23A (P_e)	(400 ... 415 V) 132 kW (500 V) 280 kW (690 V) 400 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(1000 V AC) 65 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 15 kA
Special Functions	No
Standards	IEC 60947-3
Switches Operating Mechanism	Mechanism Between the Poles 21 (Between the Poles)
Terminal Type	Lug terminals
Tightening Torque	acc. IEC 60947-1 30 ... 44 N·m

Technical UL/CSA

Tightening Torque	acc. IEC 60947-1 30 ... 44 N·m
-------------------	--------------------------------

Certificates and Declarations

A2L Certificate – IEC	1SCC301337D0201
Declaration of	1SCC301152D2703

Conformity - CE

External Classifications and Standards

Object Classification Code	Q
ETIM 8	EC000216 - Switch disconnect
ETIM 9	EC000216 - Switch disconnect (low voltage)
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5290 >> Disconnect switch
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

