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-diconnector, 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

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Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SCC011021D0201
RoHS Declaration	1SCC011020D0201
RoHS Information	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 or Territory of Origin	Finland

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

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Technical

Conventional Free-air Thermal Current (I_{th})	Θ = 40 °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
Mounting Type	Base mounting
Number of Poles	3P
Operating Mode	Front
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 Conformity - CE	1SCC301152D2703

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External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (AC)
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



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