PRODUCT-DETAILS

OT2500EM04W4P

OT2500EM04W4P SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT2500EM04W4P
Product ID	1SCA118943R1001
EAN	6417019505640
Catalog Description	OT2500EM04W4P SWITCH-DISCONNECTOR
Long Description	4-pole, front operated, horizontally base mounted earthing switch with black IP65 handle and shaft, wide phase distance, terminal bolt kit included

ABB EcoSolutions

End Of Life Disassembling Instructions	1SCC301121M0201
Environmental Information	1SCC301268D0201
Environmental Product Declaration - EPD	1SCC301304D0201

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658

© 2025 ABB. All rights reserved.

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	1SCC301077M0204
Environmental Product Declaration - EPD	1SCC301304D0201

Environmental

Degree of Protection	Front IP00
Environmental Information	1SCC301268D0201
Pollution Degree	3

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85365080
Country or Territory of Origin	Finland

Dimensions

Product Net Width	655.5 mm
Product Net Height	376.5 mm
Product Net Depth / Length	234 mm
Product Net Weight	34.8 kg 76.8 lb

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	444 mm 17.48 in
Package Level 1 Depth / Length	714 mm 28.11 in
Package Level 1 Height	385 mm 15.16 in
Package Level 1 Gross Weight	39 kg 18 lb
Package Level 1 EAN	6417019505640

Technical

Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 2500 A
Degree of Protection	Front IP00
Distance Between Phases	Phase distance 140 mm
Fourth Pole Position	Right Side
Fourth Pole Type	Switched - Simultaneous Function

© 2025 ABB. All rights reserved.

Handle Color	Black
Handle Type	Handle and shaft included
Mechanical Durability	6000
Mounting Type	Base mounting
Number of Poles	4P
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 85 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-21B (I_e)	(380 ... 415 V) 2500 A (500 V) 2500 A (690 V) 2500 A
Rated Operational Current AC-22B (I_e)	(380 ... 415 V) 2500 A (500 V) 2500 A (690 V) 2500 A
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 176 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 55 kA
Special Functions	Wide phase distance 140
Standards	IEC 60947-3
Switches Operating Mechanism	04 (Left Side) Mechanism turned 90 degrees
Terminal Type	Lug terminals
Tightening Torque	acc. IEC 60947-1 50 … 75 N·m
Utilization	Earthing Switch Use

Technical UL/CSA

Tightening Torque	acc. IEC 60947-1 50 … 75 N·m

Certificates and Declarations

A2L Certificate - IEC	1SCC301338D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301176D2702
DNV GL Certificate	1SCC301184D0203
UL Certificate	No certification needed
VDE Certificate	No certification needed

External Classifications and Standards

Object Classification Code	Q
ETIM 9	EC000216 - Switch disconnector (low voltage)
ETIM 10	EC000216 - Switch disconnector (AC)
UNSPSC	39122221
eClass	V11.1 : 27371403
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
E-Number (Finland)	3601486

© 2025 ABB. All rights reserved.

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



© 2025 ABB. All rights reserved.