



PRODUCT-DETAILS

OT1600EM04W8P

OT1600EM04W8P SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT1600EM04W8P
Product ID	1SCA118944R1001
EAN	6417019505657
Catalog Description	OT1600EM04W8P 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	1SCC301120M0201
Environmental Information	1SCC301233D0201
Environmental Product Declaration - EPD	1SCC301300D0201

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		1SCC301076M0204
Environmental Product Declaration - EPD		1SCC301300D0201

Environmental		
Degree of Protection		Front IP00
Environmental Information		1SCC301233D0201
Pollution Degree		3

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

Dimensions		
Product Net Width		744.5 mm
Product Net Height		372 mm
Product Net Depth / Length		234 mm
Product Net Weight		28.9 kg

Container Information		
Package Level 1 Units		box 1 piece
Package Level 1 Width		400 mm
Package Level 1 Depth / Length		630 mm
Package Level 1 Height		300 mm
Package Level 1 Gross Weight		31.7 kg
Package Level 1 EAN		6417019505657

Technical

Conventional Free-air Thermal Current (I_{th})	$\Theta = 40^\circ\text{C}$ 1600 A
Conventional Thermal Current (I_{the})	Fully Enclosed 1600 A
Degree of Protection	Front IP00
Distance Between Phases	Phase distance 185 mm
Fourth Pole Position	Right Side
Fourth Pole Type	Switched - Simultaneous Function
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 48 W
Rated Conditional Short-Circuit Current (I_{nc})	(1250 A fuse, 415 V) 80 kA (1250 A fuse, 500 V) 100 kA
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-22A (I_e)	(380 ... 415 V) 1600 A (500 V) 1600 A (690 V) 1600 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 1250 A (500 V) 1250 A (690 V) 1250 A
Rated Operational Power AC-23A (P_e)	(400 ... 415 V) 710 kW (500 V) 900 kW (690 V) 1200 kW
Rated Operational Voltage	Main Circuit 1000 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 92 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 50 kA
Special Functions	Wide phase distance 185
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
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Certificates and Declarations	
A2L Certificate – IEC	1SCC301338D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301155D2704
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 disconnecter (low voltage)
ETIM 10	EC000216 - Switch disconnecter (AC)
UNSPSC	39122221
eClass	V11.1 : 27371403
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
E-Number (Finland)	3601483

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

