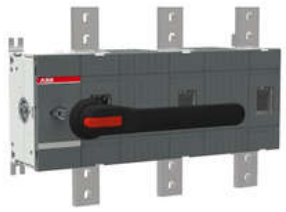
PRODUCT-DETAILS

OT1600E03W8P

OT1600E03W8P SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT1600E03W8P
Product ID	1SCA022871R8970
EAN	6417019338736
Catalog Description	OT1600E03W8P SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted switch-diconnector with black IP65 handle and shaft, wide phase distance, terminal bolt kit included

ABB EcoSolutions

Environmental Information	1SCC301233D0201
Environmental Product Declaration - EPD	1SCC301300D0201

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201

© 2024 ABB. All rights reserved.

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	1SCC301047M0213
Mechanical Drawings	1SCC301933F0001 1SCC301932F0001 OT1600E03W8.igs
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 of Origin	Finland (FI)

Dimensions

Product Net Width	544.5 mm
Product Net Height	372 mm
Product Net Depth / Length	167 mm
Product Net Weight	20.5 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	407 mm 16 in
Package Level 1 Depth / Length	619 mm 24.4 in
Package Level 1 Height	190 mm 7.5 in
Package Level 1 Gross Weight	22.34 kg 49.3 lb
Package Level 1 EAN	6417019338736

Technical

Conventional Free-air Thermal Current (I_{th})	Θ = 40 °C 1600 A
Conventional Thermal Current (I_{the})	Fully Enclosed 1600 A
Degree of Protection	Front IP00
Distance Between Phases	Phase distance 185 mm
Handle Color	Black

© 2024 ABB. All rights reserved.

Handle Type	Handle and shaft included
Lock Type	Yes
Mechanical Durability	6000
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 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-21A (I_e)	(380 ... 415 V) 1600 A (500 V) 1600 A (690 V) 1600 A
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) 110 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	Mechanism at the End of the Switch 03 (Left Side)
Terminal Type	Lug terminals
Terminal Width	50 mm
Tightening Torque	acc. IEC 60947-1 50 … 75 N·m

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	1SCC301155D2704
DNV GL Certificate	1SCC301184D0203
UL Certificate	No certification needed
VDE Certificate	No certification needed

Classifications

Object Classification Code	Q
ETIM 8	EC000216 - Switch disconnector

© 2024 ABB. All rights reserved.

ETIM 9	EC000216 - Switch disconnector (low voltage)
eClass	V11.1 : 27371403
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
E-Number (Finland)	3661766

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors



© 2024 ABB. All rights reserved.