



PRODUCT-DETAILS

OT100F3/B25

OT100F3/B25 SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT100F3/B25
Product ID	1SCA105005R1001
EAN	6417019391366
Catalog Description	OT100F3/B25 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with front protected clamp terminals, handle and shaft are not included

ABB EcoSolutions	
Environmental Information	1SCC301264D0201
Environmental Product Declaration - EPD	1SCC301280D0201

Material Compliance	
Conflict Minerals	9AKK108467A5658

Reporting Template
(CMRT)

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	No documentation needed
Instructions and Manuals	1SCC301058M0008
Mechanical Drawings	1SCC301466F0001 1SCC301465F0001 OT100-125F3.igs
Environmental Product Declaration - EPD	1SCC301280D0201

Environmental

Degree of Protection	Front IP20
Environmental Information	1SCC301264D0201
Pollution Degree	3

Ordering

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

Dimensions

Product Net Width	100 mm
Product Net Height	70 mm
Product Net Depth / Length	74 mm
Product Net Weight	10 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	380 mm
Package Level 1 Depth / Length	390 mm
Package Level 1 Height	150 mm
Package Level 1 Gross Weight	10.7 kg
Package Level 1 EAN	6417019391366

Technical

Cable Cross-Section	Cu 10 ... 70 mm ²
Conventional Thermal Current (I_{the})	Fully Enclosed 115 A
Degree of Protection	Front IP20
Handle Type	Knob Handle and shaft not included
Lock Type	No
Mechanical Durability	20000
Number of Poles	3P
Pollution Degree	3
Power Loss	at Rated Operating Conditions per Pole 4.0 W
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 80 A (500 V) 60 A (690 V) 40 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 22 kW (400 ... 415 V) 37 kW (500 V) 37 kW (690 V) 37 kW
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I_{cm})	(690 V) 3.6 kA
Rated Short-time Withstand Current Low Voltage (I_{cw})	for 1 s 2.5 kA
Standards	IEC 60947-3 / UL 98 / CSA C22.2 NO.4
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 6 N·m

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	100 A
Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 5 Hp (240 V AC) Single Phase 15 Hp (440 ... 480 V AC) Single Phase 25 Hp (550 ... 600 V AC) Single Phase 20 Hp (220 ... 240 V AC) Three Phase 30 Hp (440 ... 480 V AC) Three Phase 50 Hp (550 ... 600 V AC) Three Phase 50 Hp
Tightening Torque	acc. IEC 60947-1 6 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
Declaration of Conformity - CE	1SCC301168D2702
UL Certificate	cULus certificate OT30-125

External Classifications and Standards		
Object Classification Code		Q
ETIM 9	EC000216 - Switch disconnecter (low voltage)	
UNSPSC		39122233
IDEA Granular Category Code (IGCC)	5290 >> Disconnect switch	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)	
E-Number (Finland)		3601401

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

