



PRODUCT-DETAILS

OT125F8

OT125F8 SWITCH-DISCONNECTOR



General Information	
Extended Product Type	OT125F8
Product ID	1SCA105059R1001
EAN	6417019391892
Catalog Description	OT125F8 SWITCH-DISCONNECTOR
Long Description	8-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	1SCC301020C0201
Instructions and Manuals	1SCC301059M0005
Mechanical Drawings	1SCC301476F0001 1SCC301475F0001 OT100-125F8.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

Dimensions

Product Net Width	193 mm
Product Net Height	100 mm
Product Net Depth / Length	86 mm
Product Net Weight	1.1 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	103 mm
Package Level 1 Depth / Length	205 mm
Package Level 1 Height	102 mm
Package Level 1 Gross Weight	1.2 kg
Package Level 1 EAN	6417019391892

Technical

Cable Cross-Section	Cu 10 ... 70 mm ²
Connecting Capacity Main Circuit	Flexible 1x Cu 10...70 mm ² Stranded 1x Cu 10...70 mm ²
Conventional Free-air Thermal Current (I_{th})	$\Theta = 40\text{ °C}$ 125 A
Conventional Thermal Current (I_{the})	Fully Enclosed 125 A
Degree of Protection	Front IP20
Distance Between Phases	Standard
Fourth Pole Position	Left and Right Side
Fourth Pole Type	Switched - Simultaneous Function
Handle Type	Knob Handle and shaft not included
Lock Type	No
Mechanical Durability	20000
Mounting Type	Base mounting
Number of Poles	8P
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 6.3 W
Rated Conditional Short-Circuit Current (I_{nc})	(125 A fuse, 415 V) 50 kA (125 A fuse, 690 V) 10 kA (63 A fuse, 690 V) 50 kA
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-21A (I_e)	(380 ... 415 V) 125 A (500 V) 125 A (690 V) 125 A
Rated Operational Current AC-22A (I_e)	(380 ... 415 V) 125 A (500 V) 125 A (690 V) 125 A
Rated Operational Current AC-23A (I_e)	(380 ... 415 V) 90 A (500 V) 70 A (690 V) 50 A
Rated Operational Power AC-23A (P_e)	(220 ... 240 V) 22 kW (400 ... 415 V) 45 kW (500 V) 45 kW (690 V) 45 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
Recommended Screw Driver	Main Circuit Hexagon 4
Special Functions	No
Standards	IEC 60947-3
Switches Operating Mechanism	Mechanism on Top of the Switch
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 6 N·m
Wire Stripping Length	Main Circuit 18-21 mm

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	100 A
Horsepower Rating UL/CSA	(acc. to UL 200 V) 25 Hp (acc. to UL 480 V) 50 Hp (acc. to UL 240 V) 30 Hp (acc. to UL 208 V) 25 Hp (acc. to UL 600 V) 50 Hp
Wire Stripping Length	Main Circuit 18-21 mm
Recommended Screw Driver	Main Circuit Hexagon 4
Tightening Torque	acc. IEC 60947-1 6 N·m

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301168D2702
UL Certificate	cULus certificate OT30-125
VDE Certificate	No certification needed

External Classifications and Standards

Object Classification Code	Q
ETIM 8	EC000216 - Switch disconnecter
ETIM 9	EC000216 - Switch disconnecter (low voltage)
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601416
E-Number (Norway)	4363575
E-Number (Sweden)	3134589

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

