



 PRODUCT-DETAILS

OT80F3

OT80F3 SWITCH-DISCONNECTOR



General Information

Extended Product Type	OT80F3
Product ID	1SCA105798R1001
EAN	6417019397016
Catalog Description	OT80F3 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible diconnect switch with protected clamp terminals, handle and shaft are not included

Circular Value

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Environmental Information	1SCC301263D0201
Environmental Product Declaration - EPD	1SCC301279D0201
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201

Toxic Substances
Control Act - TSCA

1SCC011025D0201

Eco Transparency

Environmental Product
Declaration - EPD

1SCC301279D0201

Ordering

Minimum Order Quantity

10 piece

Customs Tariff Number

85365080

Country of Origin

Finland (FI)

Popular Downloads

Data Sheet, Technical
Information

1SCC301020C0201

Instructions and
Manuals

1SCC301064M0212

Mechanical Drawings

1SCC301450F0001

1SCC301449F0001

OT63-80F3.stp

OT63-80F3.igs

Environmental Product
Declaration - EPD

1SCC301279D0201

Dimensions

Product Net Width

52.5 mm

Product Net Height

91.5 mm

Product Net Depth /
Length

72.5 mm

Product Net Weight

0.25 kg

Technical

Rated Operational
Current AC-21A (I_e)

(380 ... 415 V) 80 A

(500 V) 80 A

(690 V) 80 A

Rated Operational
Current AC-22A (I_e)

(380 ... 415 V) 80 A

(500 V) 80 A

(690 V) 80 A

Rated Operational
Current AC-23A (I_e)

(380 ... 415 V) 75 A

(500 V) 58 A

(690 V) 20 A

Rated Operational Power
AC-23A (P_e)

(220 ... 240 V) 22 kW

(400 ... 415 V) 37 kW

(500 V) 37 kW

(690 V) 18.5 kW

Conventional Free-air
Thermal Current (I_{th})

 $\Theta = 40\text{ °C}$ 80 A

Conventional Thermal
Current (I_{the})

Fully Enclosed 80 A

Rated Impulse

8 kV

Withstand Voltage (U_{imp})

)	
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 750 V
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I _{cm})	(690 V) 2.1 kA
Rated Short-time Withstand Current Low Voltage (I _{cw})	for 1 s 1.5 kA
Rated Conditional Short-Circuit Current (I _{nc})	(100 A fuse, ≤415 V) 50 kA (100 A fuse, 500 V) 100 kA (80 A fuse, 690 V) 50 kA
Power Loss	at Rated Operating Conditions per Pole 4.5 W
Pollution Degree	3
Handle Type	Knob Handle and shaft not included
Switches Operating Mechanism	Mechanism on Top of the Switch
Distance Between Phases	Standard
Position of Line Terminals	Top In - Bottom Out Bottom In - Top Out
Operating Mode	Front operated
Standards	IEC 60947-3 / UL 508 / CSA C22.2 No. 14
Special Functions	No
Mounting Type	Base mounting
Number of Poles	3
Cable Cross-Section	Cu 1.5 ... 35 mm ²
Degree of Protection	Front IP20
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 2 N·m
Mechanical Durability	20000
Lock Type	No

Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	80 A
Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 2 Hp (240 V AC) Single Phase 10 Hp (440 ... 480 V AC) Single Phase 20 Hp (550 ... 600 V AC) Single Phase 20 Hp (220 ... 240 V AC) Three Phase 20 Hp (440 ... 480 V AC) Three Phase 40 Hp (550 ... 600 V AC) Three Phase 40 Hp
Tightening Torque	acc. IEC 60947-1 2 N·m
Tightening Torque UL/CSA	18 in·lb

Environmental

RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental Information	1SCC301263D0201
Toxic Substances Control Act - TSCA	1SCC011025D0201

Certificates and Declarations

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301167D2704
REACH Declaration	1SCC011021D0201
UL Certificate	cULus certificate OT16-80
VDE Certificate	No certification needed

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	84 mm
Package Level 1 Depth / Length	103 mm
Package Level 1 Height	64 mm
Package Level 1 Gross Weight	0.27 kg
Package Level 1 EAN	6417019397016

Classifications

Object Classification Code	Q
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
ETIM 9	EC000216 - Switch disconnecter (low voltage)
UNSPSC	39122233
IDEA Granular Category Code (IGCC)	5290 >> Disconnect switch
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601458
E-Number (Sweden)	3170941

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

