

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-d disconnect with protected clamp terminals, handle and shaft are not included

### 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

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## 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

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## 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 ( $I_{th}$ )	q = 40 °C 80 A
Conventional Thermal Current ( $I_{the}$ )	Fully Enclosed 80 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	8 kV
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 <sup>2</sup>
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

## Certificates and Declarations (Document Number)

ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301167D2704
Environmental Information	1SCC301263D0201
Instructions and Manuals	1SCC301064M0212
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201
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

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Package Level 1 EAN6417019397016

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## Classifications

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Object Classification Code	Q
ETIM 5	EC000216 - Switch disconnecter
ETIM 6	EC000216 - Switch disconnecter
ETIM 7	EC000216 - Switch disconnecter
ETIM 8	EC000216 - Switch disconnecter
UNSPSC	39122233
eClass	V11.1 : 27371403
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
E-Number (Finland)	3601458
E-Number (Sweden)	3170941

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

