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**PRODUCT-DETAILS****OT80F8****OT80F8 SWITCH-DISCONNECTOR**

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**General Information**

Extended Product Type	OT80F8
Product ID	1SCA105429R1001
EAN	6417019393643
Catalog Description	OT80F8 SWITCH-DISCONNECTOR
Long Description	8-pole, front operated, base mounted, DIN-rail mountable switch-disconnector / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included

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**Circular Value**

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

Toxic Substances  
Control Act - TSCA

1SCC011025D0201

## Eco Transparency

Environmental Product  
Declaration - EPD

1SCC301279D0201

## Ordering

Minimum Order Quantity  
Customs Tariff Number  
Country of Origin

1 piece  
85365080  
Finland (FI)

## Popular Downloads

Data Sheet, Technical  
Information  
Instructions and  
Manuals  
Mechanical Drawings  
Environmental Product  
Declaration - EPD

1SCC301020C0201  
1SCC301066M0206  
1SCC301460F0001  
1SCC301459F0001  
OT63-80F8.igs  
1SCC301279D0201

## Dimensions

Product Net Width  
Product Net Height  
Product Net Depth /  
Length  
Product Net Weight

140 mm  
91.5 mm  
84.5 mm  
0.7 kg

## Technical

Rated Operational  
Current AC-21A ( $I_e$ )  
Rated Operational  
Current AC-22A ( $I_e$ )  
Rated Operational  
Current AC-23A ( $I_e$ )  
Rated Operational Power  
AC-23A ( $P_e$ )  
Conventional Free-air  
Thermal Current ( $I_{th}$ )  
Conventional Thermal  
Current ( $I_{the}$ )  
Rated Impulse  
Withstand Voltage ( $U_{imp}$ )

(380 ... 415 V) 80 A  
(500 V) 80 A  
(690 V) 80 A  
(380 ... 415 V) 80 A  
(500 V) 80 A  
(690 V) 80 A  
(380 ... 415 V) 75 A  
(500 V) 58 A  
(690 V) 20 A  
(220 ... 240 V) 22 kW  
(400 ... 415 V) 37 kW  
(500 V) 37 kW  
(690 V) 18.5 kW  
 $\Theta = 40^\circ\text{C}$  80 A  
Fully Enclosed 80 A  
8 kV

Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 750 V
Rated Operational Voltage	Main Circuit 750 V
Rated Short-Circuit Making Capacity (I <sub>cm</sub> )	(690 V) 2.1 kA
Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> )	for 1 s 1.5 kA
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(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
Fourth Pole Position	Left and Right Side
Fourth Pole Type	Switched - Simultaneous Function
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	8
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	ISCC301263D0201
Toxic Substances	ISCC011025D0201

Control Act - TSCA

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## Certificates and Declarations

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

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## Container Information

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Package Level 1 Units	box 1 piece
Package Level 1 Width	111 mm
Package Level 1 Depth / Length	205 mm
Package Level 1 Height	102 mm
Package Level 1 Gross Weight	0.77 kg
Package Level 1 EAN	6417019393643

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## Classifications

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Object Classification Code	Q
ETIM 7	EC000216 - Switch disconnector
ETIM 8	EC000216 - Switch disconnector
ETIM 9	EC000216 - Switch disconnector (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)	3601465

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## Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

