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 PRODUCT-DETAILS

# OT25F3

## OT25F3 SWITCH-DISCONNECTOR




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### General Information

Extended Product Type	OT25F3
Product ID	1SCA104857R1001
EAN	6417019390000
Catalog Description	OT25F3 SWITCH-DISCONNECTOR
Long Description	3-pole, front operated, base mounted, DIN-rail mountable switch-diconnector / non-fusible disconnect switch with protected clamp terminals, handle and shaft are not included

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### Circular Value

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
Environmental Information	1SCC301262D0201
Environmental Product Declaration - EPD	1SCC301278D0201
REACH Declaration	1SCC011021D0201
RoHS Information	1SCC011020D0201

Toxic Substances  
Control Act - TSCA

1SCC011025D0201

## Eco Transparency

Environmental Product  
Declaration - EPD

1SCC301278D0201

## 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

1SCC301052M0006

Mechanical Drawings

1SCC301434F0001  
1SCC301433F0001  
OT16-40F3.stp  
OT16-40F3.igs

Environmental Product  
Declaration - EPD

1SCC301278D0201

## Dimensions

Product Net Width

35 mm

Product Net Height

68 mm

Product Net Depth /  
Length

56 mm

Product Net Weight

0.09 kg

## Technical

Rated Operational  
Current AC-21A ( $I_e$ )

(380 ... 415 V) 25 A  
(500 V) 25 A  
(690 V) 25 A

Rated Operational  
Current AC-22A ( $I_e$ )

(380 ... 415 V) 25 A  
(500 V) 25 A  
(690 V) 25 A

Rated Operational  
Current AC-23A ( $I_e$ )

(380 ... 415 V) 20 A  
(500 V) 20 A  
(690 V) 11 A

Rated Operational Power  
AC-23A ( $P_e$ )

(220 ... 240 V) 4 kW  
(400 ... 415 V) 9 kW  
(500 V) 9 kW  
(690 V) 9 kW

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

 $\Theta = 40\text{ °C}$  32 A

Conventional Thermal  
Current ( $I_{the}$ )

Fully Enclosed 32 A

Rated Impulse  
Withstand Voltage ( $U_{imp}$ )

8 kV

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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) 0.71 kA
Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> )	for 1 s 0.5 kA
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(40 A fuse, ≤415V) 50 kA (25 A fuse, 690 V) 50 kA
Power Loss	at Rated Operating Conditions per Pole 0.6 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 0.75 ... 10 mm <sup>2</sup>
Wire Stripping Length	Main Circuit 9-10 mm Main Circuit 0.35-0.38 in
Degree of Protection	Front IP20
Terminal Type	Screw Terminals
Tightening Torque	acc. IEC 60947-1 0.8 N·m
Mechanical Durability	20000
Lock Type	No

## Technical UL/CSA

Maximum Operating Voltage UL/CSA	600 V
Ampere Rating	30 A
Horsepower Rating UL/CSA	(110 ... 120 V AC) Single Phase 1.5 Hp (240 V AC) Single Phase 3 Hp (440 ... 480 V AC) Single Phase 7.5 Hp (550 ... 600 V AC) Single Phase 10 Hp (220 ... 240 V AC) Three Phase 7,5 Hp (440 ... 480 V AC) Three Phase 15 Hp (550 ... 600 V AC) Three Phase 20 Hp
Wire Stripping Length	Main Circuit 9-10 mm Main Circuit 0.35-0.38 in
Tightening Torque	acc. IEC 60947-1 0.8 N·m
Tightening Torque UL/CSA	7 in·lb

## Environmental

RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Environmental	1SCC301262D0201

## Information

Toxic Substances Control Act - TSCA	1SCC011025D0201
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**Certificates and Declarations**

A2L Certificate – IEC	1SCC301335D0201
ATEX Certificate	No certification needed
Declaration of Conformity - CE	1SCC301166D2703
REACH Declaration	1SCC011021D0201
UL Certificate	cULus certificate OT16-80
VDE Certificate	No certification needed

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**Container Information**

Package Level 1 Units	box 1 piece
Package Level 1 Width	67 mm
Package Level 1 Depth / Length	79 mm
Package Level 1 Height	46 mm
Package Level 1 Gross Weight	0.1 kg
Package Level 1 EAN	6417019390000

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**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)	3601428
E-Number (Sweden)	3170938

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**Categories**

Low Voltage Products and Systems → Switches → Switch Disconnectors

