

# OT100F3

## General Information

<b>Extended Product Type:</b>	OT100F3
<b>Product ID:</b>	1SCA105004R1001
<b>EAN:</b>	6417019391359
<b>Catalog Description:</b>	OT100F3 switch-disconnector
<b>Long Description:</b>	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

## Categories

Products » Low Voltage Products and Systems » Switches » Switch Disconnectors

## Ordering

<b>Minimum Order Quantity:</b>	10 piece
<b>Customs Tariff Number:</b>	85365080

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	1SCC301020C0201
---	-----------------

## Dimensions

<b>Product Net Width:</b>	70 mm
<b>Product Net Height:</b>	100 mm
<b>Product Net Depth:</b>	74 mm
<b>Product Net Weight:</b>	0.4 kg

## Technical

<b>Rated Operational Current AC-21A (<math>I_e</math>):</b>	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
<b>Rated Operational Current AC-22A (<math>I_e</math>):</b>	(380 ... 415 V) 100 A (500 V) 100 A (690 V) 100 A
<b>Rated Operational Current AC-23A (<math>I_e</math>):</b>	(500 V) 60 A (380 ... 415 V) 80 A (690 V) 40 A
<b>Rated Operational Power AC-23A (<math>P_e</math>):</b>	(380 ... 415 V) 37 kW (500 V) 37 kW (690 V) 37 kW
<b>Conventional Free-air Thermal Current (<math>I_{th}</math>):</b>	q = 40 °C 115 A
<b>Conventional Thermal Current (<math>I_{the}</math>):</b>	Fully Enclosed 115 A
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	8 kV
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	750 V
<b>Rated Operational Voltage:</b>	750 V
<b>Rated Short-Circuit Making Capacity (<math>I_{cm}</math>):</b>	(690 V AC) 3.6 kA
<b>Rated Short-time Withstand Current (<math>I_{cw}</math>):</b>	for 1 s 2.5 kiloampere rms

**Power Loss:** at Rated Operating Conditions per Pole 0.36 W  
at Rated Operating Conditions per Pole 4 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 98 / CSA C22.2 NO.4

**Special Functions:** No

**Mounting Type:** Base mounting

**Number of Poles:** 3

**Cable Cross-Section:** 10 ... 70 mm<sup>2</sup>

**Terminal Type:** Screw Terminals

**Tightening Torque:** 6 N·m

## Technical UL/CSA

**Maximum Operating Voltage  
UL/CSA:** 600 V

**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

**Ampere Rating UL/CSA:** 100 A

**Tightening Torque UL/CSA:** 55 in·lb

## Certificates and Declarations (Document Number)

**Declaration of Conformity - CE:** 1SCC301168D2702

**Environmental Information:** 1SCC301183D0201

**Instructions and Manuals:** 1SCC301058M0001

**RoHS Information:** 1SCC301183D0201

## Container Information

**Package Level 1 Units:** 1 piece

**Package Level 1 Width:** 81 mm

**Package Level 1 Length:** 112 mm

**Package Level 1 Height:** 86 mm

**Package Level 1 Gross Weight:** 0.4 kg

**Package Level 1 EAN:** 6417019391359

## Classifications

**Object Classification Code:** Q

**ETIM 5:** EC000216 - Switch disconnecter

**ETIM 6:** EC000216 - Switch disconnecter