



ABB

## General Information

### Extended Product Type:

OT80F3

### Product ID:

1SCA105798R1001

### EAN:

6417019397016

### Catalog Description:

Switch disconnector OT80F3

### Long Description:

Front operated switch-disconnector. Types OT 16...125 include protected terminal clamps, IP 20.

## Dimensions

### Product Net Width:

53 mm

### Product Net Height:

73 mm

### Product Net Length:

92 mm

### Product Net Weight:

0.27 kg

## Certificates and Declarations (Document Number)

### Declaration of Conformity - CE:

1SCC301167D0201

## Additional Information

### Cable Cross-Section:

1.5...35 mm<sup>2</sup>

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

q=40°C 80 A

### Conventional Thermal Current ( $I_{the}$ ):

Fully Enclosed 80 A

### IIT Publishing Status:

Level 0 - Information enabled

### Invoice Description:

Switch disconnector OT80F3

### Number of Poles:

3

### Operating Mechanism:

Mechanism on top of the switch

### Pollution Degree:

3

### Position of Line Terminals:

Top in - bottom out

### Power Loss:

Per Pole 2.8 W

**Product Main Type:**

OT80F

**Product Name:**

Switch-disconnector

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

8 kV

**Rated Insulation Voltage ( $U_i$ ):**

750 V

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

(500V) 80 A

(690V) 80 A

(380 ... 415V) 80 A

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

(380 ... 415 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 ... 240V) 22 kW

(400V) 37 kW

(415V) 37 kW

(500V) 37 kW

(690V) 18.5 kW

**Rated Operational Voltage ( $U_e$ ):**

750 V

**Rated Short-time Withstand Current ( $I_{cw}$ ):**

**Technical UL/CSA**

**Ampere Rating UL/CSA:**

60A