

PRODUCT-DETAILS

# OT80F3T

## OT80F3T SWITCH-DISCONNECTOR



### General Information

|                       |                             |
|-----------------------|-----------------------------|
| Extended Product Type | OT80F3T                     |
| Product ID            | 1SCA109361R1001             |
| EAN                   | 6417019425313               |
| Catalog Description   | OT80F3T SWITCH-DISCONNECTOR |
| Long Description      | OT80F3T SWITCH-DISCONNECTOR |

### Ordering

|                        |              |
|------------------------|--------------|
| Minimum Order Quantity | 1 piece      |
| Customs Tariff Number  | 85365080     |
| Country of Origin      | Finland (FI) |

### Popular Downloads

|                          |  |
|--------------------------|--|
| Instructions and Manuals | 1SCC301064M0212  |
| Mechanical Drawings      | 1SCC301450F0001<br>1SCC301449F0001<br>OT63-80F3.stp<br>OT63-80F3.igs |

### Dimensions

|                   |         |
|-------------------|---------|
| Product Net Width | 52.5 mm |
|-------------------|---------|

|                            |         |
|----------------------------|---------|
| Product Net Height         | 91.5 mm |
| Product Net Depth / Length | 72.5 mm |
| Product Net Weight         | 0.26 kg |

## Technical

|  |  |
|--|--|
| Rated Operational Current AC-22A ( $I_e$ )       | (380 ... 415 V) 80 A<br>(500 V) 80 A<br>(690 V) 80 A                               |
| Rated Operational Current AC-23A ( $I_e$ )       | (380 ... 415 V) 75 A<br>(500 V) 58 A<br>(690 V) 20 A                               |
| Rated Operational Power AC-23A ( $P_e$ )         | (220 ... 240 V) 22 kW<br>(400 ... 415 V) 37 kW<br>(500 V) 37 kW<br>(690 V) 18.5 kW |
| 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 ( $I_{cw}$ )  | for 1 s 1.5 kA   |
| Power Loss                                       | at Rated Operating Conditions per Pole 4.5 W                                       |
| Pollution Degree                                 | 3  |
| Handle Type                                      | Knob<br>Handle and shaft not included  |
| Standards  | IEC 60947-3 / UL 508 / CSA C22.2 No. 14  |
| 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   |
| Horsepower Rating UL/CSA         | (110 ... 120 V AC) Single Phase 2 Hp<br>(240 V AC) Single Phase 10 Hp<br>(440 ... 480 V AC) Single Phase 20 Hp<br>(550 ... 600 V AC) Single Phase 20 Hp<br>(220 ... 240 V AC) Three Phase 20 Hp<br>(440 ... 480 V AC) Three Phase 40 Hp<br>(550 ... 600 V AC) Three Phase 40 Hp |
| Ampere Rating UL/CSA             | 80 A  |

## Environmental

|             |                                   |
|-------------|-----------------------------------|
| RoHS Status | Following EU Directive 2011/65/EU |
|-------------|-----------------------------------|

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### Certificates and Declarations (Document Number)

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|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 1SCC301167D2704 |
| Instructions and Manuals       | 1SCC301064M0212 |
| RoHS Information               | 1SCC301183D0202 |

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### Container Information

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 93 mm         |
| Package Level 1 Depth / Length | 54 mm         |
| Package Level 1 Height         | 74 mm         |
| Package Level 1 Gross Weight   | 0.26 kg       |
| Package Level 1 EAN            | 6417019425313 |

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### Classifications

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|                            |  |
|----------------------------|--|
| Object Classification Code | Q  |
| ETIM 5                     | EC000216 - Switch disconnecter                             |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |

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### Categories

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Low Voltage Products and Systems → Switches → Switch Disconnectors

