PRODUCT-DETAILS

# OT125F3C

# OT125F3C CHANGE-OVER SWITCH



## General Information

| | |
|---|---|
| Extended Product Type | OT125F3C |
| Product ID | 1SCA105037R1001 |
| EAN | 6417019391670 |
| Catalog Description | OT125F3C CHANGE-OVER SWITCH |
| Long Description | 125A Manual Change-Over Switch, Handle and shaft need to be ordered separately, Open transition |

## Circular Value

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| REACH Declaration | 1SCC011021D0201 |
| RoHS Information | 1SCC011020D0201 |

## Ordering

| | |
|---|---|
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85365080 |

© 2024 ABB. All rights reserved.

| | |
|---|---|
| Country of Origin | Finland (FI) |

## Popular Downloads

| | |
|---|---|
| Data Sheet, Technical Information | 1SCC303003C0201 |
| Instructions and Manuals | 1SCC301054M0006 |

## Dimensions

| | |
|---|---|
| Product Net Width | 140 mm<br>5.51 in |
| Product Net Height | 100 mm<br>3.94 in |
| Product Net Depth / Length | 86 mm<br>3.39 in |
| Product Net Weight | 0.9 kg<br>1.98 lb |

## Technical

| | |
|---|---|
| Rated Operational Current AC-21A ($I_e$) | (380 ... 415 V) 125 A<br>(500 V) 125 A<br>(690 V) 125 A |
| Rated Operational Current AC-22A ($I_e$) | (380 ... 415 V) 125 A<br>(500 V) 125 A<br>(690 V) 125 A |
| Rated Operational Current AC-23A ($I_e$) | (380 ... 415 V) 90 A<br>(500 V) 70 A<br>(690 V) 50 A |
| Rated Operational Power AC-23A ($P_e$) | (380 ... 415 V) 45 kW<br>(500 V) 45 kW<br>(690 V) 45 kW |
| Conventional Free-air Thermal Current ($I_{th}$) | Θ = 40 °C 125 A |
| Conventional Thermal Current ($I_{the}$) | Fully Enclosed 125 A |
| Rated Impulse Withstand Voltage ($U_{imp}$) | 8 kV |
| Rated Insulation Voltage ($U_i$) | 750 V |
| Rated Operational Voltage | 750 V |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 2.5 kiloampere rms |
| Power Loss | 6.3 W |
| Pollution Degree | 3 |
| Handle Color | Black |
| Handle Type | 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 | UL 98 / IEC60947-3 |
| Mounting Type | Base mounting |
| Number of Poles | 3 |
| Cable Cross-Section | 10 ... 70 mm² |
| Degree of Protection | Front IP20 |
| Mechanical Durability | 6000 cycle |
| Transition Type | Open |

© 2024 ABB. All rights reserved.

## Technical UL/CSA

| | |
|---|---|
| Ampere Rating | 125 A |
| Horsepower Rating UL/CSA | (acc. to UL 200 V) 30 Hp<br>(acc. to UL 208 V) 30 Hp<br>(acc. to UL 240 V) 30 Hp<br>(acc. to UL 480 V) 50 Hp<br>(acc. to UL 600 V) 50 Hp |

## Environmental

| | |
|---|---|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

## Certificates and Declarations

| | |
|---|---|
| Declaration of Conformity - CE | 1SCC303021D2702 |
| DNV Certificate | 1SCC303138D0201 |
| REACH Declaration | 1SCC011021D0201 |

## Container Information

| | |
|---|---|
| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 102 mm<br>4.02 in |
| Package Level 1 Depth / Length | 205 mm<br>8.07 in |
| Package Level 1 Height | 103 mm<br>4.06 in |
| Package Level 1 Gross Weight | 0.9 kg<br>1.98 lb |
| Package Level 1 EAN | 6417019391670 |

## Classifications

| | |
|---|---|
| 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) | 3601411 |
| E-Number (Sweden) | 3171266 |

© 2024 ABB. All rights reserved.

## Categories

Low Voltage Products and Systems → Switches → Change-over and Transfer Switches → Manual Change-over Switches




© 2024 ABB. All rights reserved.