



PRODUCT-DETAILS

# OT800E40P

## OT800E40P SWITCH-DISCONNECTOR



| General Information   |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | OT800E40P                                                                                                            |
| Product ID            | 1SCA022753R5090                                                                                                      |
| EAN                   | 6417019245102                                                                                                        |
| Catalog Description   | OT800E40P SWITCH-DISCONNECTOR                                                                                        |
| Long Description      | 4-pole, front operated, base mounted switch-diconductor with black IP65 handle and shaft, terminal bolt kit included |

| ABB EcoSolutions                        |                 |
|-----------------------------------------|-----------------|
| End Of Life Disassembling Instructions  | 1SCC301119M0201 |
| Environmental Information               | 1SCC301232D0201 |
| Environmental Product Declaration - EPD | 1SCC301284D0201 |

| Material Compliance                         |                                                                        |                 |
|---------------------------------------------|------------------------------------------------------------------------|-----------------|
| Conflict Minerals Reporting Template (CMRT) |                                                                        | 9AKK108467A5658 |
| REACH Declaration                           |                                                                        | 1SCC011021D0201 |
| RoHS Declaration                            |                                                                        | 1SCC011020D0201 |
| RoHS Information                            | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |                 |
| Toxic Substances Control Act - TSCA         |                                                                        | 1SCC011025D0201 |

| Popular Downloads                       |  |                                                        |
|-----------------------------------------|--|--------------------------------------------------------|
| Data Sheet, Technical Information       |  | 1SCC301020C0201                                        |
| Instructions and Manuals                |  | 1SCC301042M0211                                        |
| Mechanical Drawings                     |  | 1SCC301336F0001<br>1SCC301335F0001<br>OT600_800E40.igs |
| Environmental Product Declaration - EPD |  | 1SCC301284D0201                                        |

| Environmental             |  |                 |
|---------------------------|--|-----------------|
| Degree of Protection      |  | Front IP00      |
| Environmental Information |  | 1SCC301232D0201 |
| Pollution Degree          |  | 3               |

| Ordering                       |  |          |
|--------------------------------|--|----------|
| Minimum Order Quantity         |  | 1 piece  |
| Customs Tariff Number          |  | 85365080 |
| Country or Territory of Origin |  | Finland  |

| Dimensions                 |  |        |
|----------------------------|--|--------|
| Product Net Width          |  | 331 mm |
| Product Net Height         |  | 250 mm |
| Product Net Depth / Length |  | 140 mm |
| Product Net Weight         |  | 8 kg   |

| Container Information          |  |               |
|--------------------------------|--|---------------|
| Package Level 1 Units          |  | box 1 piece   |
| Package Level 1 Width          |  | 260 mm        |
| Package Level 1 Depth / Length |  | 335 mm        |
| Package Level 1 Height         |  | 152 mm        |
| Package Level 1 Gross Weight   |  | 8.4 kg        |
| Package Level 1 EAN            |  | 6417019245102 |

## Technical

|                                                             |                                                                                      |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Conventional Free-air Thermal Current ( $I_{th}$ )          | $\Theta = 40\text{ °C}$ 800 A                                                        |
| Conventional Thermal Current ( $I_{the}$ )                  | Fully Enclosed 800 A                                                                 |
| Degree of Protection                                        | Front IP00                                                                           |
| Distance Between Phases                                     | Standard                                                                             |
| Fourth Pole Position                                        | Right Side                                                                           |
| Fourth Pole Type                                            | Switched - Simultaneous Function                                                     |
| Handle Color                                                | Black                                                                                |
| Handle Type                                                 | Handle and shaft included                                                            |
| Mechanical Durability                                       | 10000                                                                                |
| Mounting Type                                               | Base mounting                                                                        |
| Number of Poles                                             | 4P                                                                                   |
| Operating Mode                                              | Front                                                                                |
| Pollution Degree                                            | 3                                                                                    |
| Position of Line Terminals                                  | Top In - Bottom Out<br>Bottom In - Top Out                                           |
| Power Loss                                                  | at Rated Operating Conditions per Pole 40 W                                          |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 12 kV                                                                                |
| Rated Insulation Voltage ( $U_i$ )                          | acc. to IEC/EN 60664-1 1000 V                                                        |
| Rated Operational Current AC-21A ( $I_e$ )                  | (380 ... 415 V) 800 A<br>(500 V) 800 A<br>(690 V) 800 A                              |
| Rated Operational Current AC-22A ( $I_e$ )                  | (380 ... 415 V) 800 A<br>(500 V) 800 A<br>(690 V) 800 A                              |
| Rated Operational Current AC-23A ( $I_e$ )                  | (380 ... 415 V) 800 A<br>(500 V) 800 A<br>(690 V) 800 A                              |
| Rated Operational Power AC-23A ( $P_e$ )                    | (220 ... 240 V) 250 kW<br>(400 ... 415 V) 450 kW<br>(500 V) 560 kW<br>(690 V) 800 kW |
| Rated Operational Voltage                                   | Main Circuit 1000 V                                                                  |
| Rated Short-Circuit Making Capacity ( $I_{cm}$ )            | (690 V) 80 kA                                                                        |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 20 kA                                                                        |
| Special Functions                                           | No                                                                                   |
| Standards                                                   | IEC 60947-3                                                                          |
| Switches Operating Mechanism                                | Mechanism at the End of the Switch<br>40 (Right Side)                                |
| Terminal Type                                               | Lug terminals                                                                        |
| Tightening Torque                                           | acc. IEC 60947-1 50 ... 75 N·m                                                       |

## Technical UL/CSA

|                   |                                |
|-------------------|--------------------------------|
| Tightening Torque | acc. IEC 60947-1 50 ... 75 N·m |
|-------------------|--------------------------------|

Certificates and Declarations

|                                   |                 |
|-----------------------------------|-----------------|
| A2L Certificate – IEC             | 1SCC301337D0201 |
| Declaration of<br>Conformity - CE | 1SCC301140D2704 |
| DNV GL Certificate                | 1SCC301184D0203 |

External Classifications and Standards

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| Object Classification<br>Code | Q                                                          |
| ETIM 9                        | EC000216 - Switch disconnecter (low voltage)               |
| ETIM 10                       | EC000216 - Switch disconnecter (AC)                        |
| UNSPSC                        | 39122221                                                   |
| eClass                        | V11.1 : 27371403                                           |
| WEEE Category                 | 5. Small Equipment (No External Dimension More Than 50 cm) |
| E-Number (Finland)            | 3660791                                                    |

Categories

Low Voltage Products and Systems → Switches → Switch Disconnectors

