PRODUCT-DETAILS

# E4.2N 4000 Ekip Dip LSIG 4p F HR

E4.2N 4000 Ekip Dip LSIG 4p F HR



## General Information

| | |
|---|---|
| Extended Product Type | E4.2N 4000 Ekip Dip LSIG 4p F HR |
| Product ID | 1SDA071823R1 |
| EAN | 8015644756734 |
| Catalog Description | E4.2N 4000 Ekip Dip LSIG 4p F HR |
| Long Description | C.BREAKER SACE EMAX2 E4.2N 4000 FIXED FOUR-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/DIP-LSIG R 4000 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |

## ABB EcoSolutions

| | |
|---|---|
| ABB EcoSolutions | Yes |
| Environmental Product Declaration - EPD | 9AKK108468A1904<br>9AKK108468A1910 |

## Material Compliance

| | |
|---|---|
| REACH Declaration | 9AKK108466A1425 |
| RoHS Information | 9AKK108466A1424 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |

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Subject to change without notice

| | |
|---|---|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
| SCIP | 5db9272f-d385-4a4a-a0e6-73274e7613b2 Italy (IT) |

## Environmental

| | |
|---|---|
| Environmental Information | 9AKK108467A6707 |

## Ordering

| | |
|---|---|
| Order Code US and Canada | ZCNWERBC000A000000XX |
| EAN | 8015644756734 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

## Dimensions

| | |
|---|---|
| Product Net Width | 510 mm |
| Product Net Height | 371 mm |
| Product Net Depth / Length | 270 mm |
| Product Net Weight | 70 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 515 mm |
| Package Level 1 Height | 610 mm |
| Package Level 1 Depth / Length | 785 mm |
| Package Level 1 Gross Weight | 77 kg |
| Package Level 1 EAN | 8015644756734 |

## Additional Information

| | |
|---|---|
| Product Main Type | SACE Emax 2 |
| Product Name | Air Circuit Breaker |
| Product Type | Air Circuit Breaker |
| Version | F |
| CAD Dimensional Drawing | 1SDH001252R0197 |

## Technical

| | |
|---|---|
| Current Type | AC |
| Electrical Durability | Ue =< 440 V 5000 cycle<br>Ue = 500 ... 690 V 4000 cycle<br>20 cycles per hour |
| Mechanical Durability | 15000 cycle<br>60 cycles per hour |
| Neutral Pole Current ([% Iu]) | 100 % |

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| | |
|---|---|
| Number of Poles | 4P |
| Power Loss | 465 W |
| Rated Current ($I_n$) | 4000 A |
| Rated Impulse Withstand Voltage ($U_{imp}$) | acc. to IEC 60947-2 12 kV |
| Rated Insulation Voltage ($U_i$) | AC 1000 V |
| Rated Operational Voltage | 690 V AC |
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (220 V AC) 66 kA<br>(230 V AC) 66 kA<br>(380 V AC) 66 kA<br>(400 V AC) 66 kA<br>(415 V AC) 66 kA<br>(440 V AC) 66 kA<br>(500 V AC) 66 kA<br>(660 V AC) 66 kA<br>(690 V AC) 66 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of Icu ($I_{cs}$) | 100 % |
| Rated Short-time Withstand Current Low Voltage ($I_{cw}$) | for 1 s 66 kA<br>for 3 s 50 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (400 V AC) 66 kA<br>(415 V AC) 66 kA<br>(440 V AC) 66 kA<br>(500 V AC) 66 kA<br>(525 V AC) 66 kA<br>(690 V AC) 66 kA |
| Rated Uninterrupted Current ($I_u$) | 4000 A |
| Rated Voltage ($U_r$) | 690 V |
| Recommended Screw Driver | Main Circuit M12 |
| Release | Ekip Dip LSIG |
| Release Type | EL |
| Short-Circuit Performance Level | N |
| Standards | IEC |
| Sub-type | E4.2 |
| Suitable for IT Networks | Yes, 690V |
| Terminal Connection Type | Rear flat Horizontal |
| Terminal Type | Bolt |
| Tightening Torque | 70 N·m |

## Certificates and Declarations

| | |
|---|---|
| ATEX Certificate | No certification needed |
| CSA Certificate | No certification needed |
| CSA Certificate (Intrinsic Safe) | No certification needed |
| Data Sheet, Technical Information | 1SDC200023D0209 |
| Declaration of Conformity - CE | 9AKK106713A5545 |
| UL Certificate | No certification needed |
| VDE Certificate | No certification needed |
| Mechanical Drawings | 1SDH001001R0100 |
| Wiring Diagram | 1SDM000091R0001 |
| Instructions and Manuals | 1SDH001000R0002 |

## Classifications

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| | |
|---|---|
| ETIM 8 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 9 | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| Object Classification Code | Q |
| WEEE Category | 4. Large Equipment (Any External Dimension More Than 50 cm) |
| eClass | V11.1 : 27370409 |

## Categories

Low Voltage Products and Systems → Circuit Breakers → Air Circuit Breakers → Emax 2



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