PRODUCT-DETAILS

# E1.2B 1600 Ekip Touch LI 4p F F

## E1.2B 1600 Ekip Touch LI 4p F F



### General Information

| | |
|---|---|
| Extended Product Type | E1.2B 1600 Ekip Touch LI 4p F F |
| Product ID | 1SDA071494R1 |
| EAN | 8015644753443 |
| Catalog Description | E1.2B 1600 Ekip Touch LI 4p F F |
| Long Description | C.BREAKER SACE EMAX2 E1.2B 1600 FIXED FOUR-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC EKIP/TOUCH-LI R 1600 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |

### ABB EcoSolutions

| | |
|---|---|
| ABB EcoSolutions | Yes |
| Environmental Product Declaration - EPD | 9AKK108468A1900<br>9AKK108468A3028 |

### Material Compliance

| | |
|---|---|
| REACH Declaration | 9AKK108466A1425 |
| RoHS Information | 9AKK108466A1424 |

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| | |
|---|---|
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658 |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326 |
| SCIP | 8d618a94-861e-4ea1-878b-09936916f78e Italy (IT) |
| Simplified SCIP | d9533df1-0345-413f-893b-2dee4b059446 Germany (DE)<br>f6aaf9e7-3c2e-4221-9502-3b8ad53f4a29 Bulgaria (BG)<br>09fa3138-cbac-428b-95fd-ff20d8764611 Czech Republic (CZ)<br>93145cd1-8e65-4d03-9299-0a76303094bb Sweden (SE)<br>4ed7dd67-93f7-4573-8ba2-37599919c04b Germany (DE)<br>e77fb4a5-88f7-4c38-9454-53a39f5359dd France (FR)<br>3ec78487-f0e6-4259-b72d-0f8b8f6428ce Sweden (SE)<br>35eebb39-5e8e-493a-9ec8-28b4aa075ca0 Poland (PL)<br>075e1c12-8e7b-4e06-adfd-753a050484b3 Greece (GR)<br>a6495ce3-b9dc-48ab-a905-4459c6d580eb Poland (PL)<br>3b30c08e-ca91-4428-b533-fec3c50f0b2b Estonia (EE)<br>4d9bb425-b982-4642-9d9b-841d2917914b France (FR)<br>77208f2d-17f8-40c9-b398-2a3fc039fdc1 Hungary (HU)<br>3b30c08e-ca91-4428-b533-fec3c50f0b2b Estonia (EE)<br>ea3a14df-1046-460d-bac5-5a4e3e8f96ec Spain (ES)<br>12703d88-f933-4e61-bda6-9582d4e38566 Netherlands (NL)<br>0ea1a2b3-a003-48c2-969b-c9741d03d80a Poland (PL)<br>12703d88-f933-4e61-bda6-9582d4e38566 Netherlands (NL)<br>a6495ce3-b9dc-48ab-a905-4459c6d580eb Poland (PL)<br>e5d2b216-bca8-4375-8e79-2f9a80899db7 Croatia (HR)<br>00037973-96c7-4c05-9eb8-1e49380280da Finland (FI)<br>9bb2d9f8-ae7f-4397-b1c8-cf38c2f49a88 Belgium (BE)<br>b4184496-b9d4-4f3d-82af-45fc0ea6e638 Germany (DE)<br>35eebb39-5e8e-493a-9ec8-28b4aa075ca0 Poland (PL)<br>0ea1a2b3-a003-48c2-969b-c9741d03d80a Poland (PL)<br>075e1c12-8e7b-4e06-adfd-753a050484b3 Greece (GR)<br>7c8ccc19-d564-4365-9df7-0b4f6b0fc6a9 Denmark (DK)<br>d710c617-6af4-45d0-89aa-4abab4a19884 Germany (DE)<br>7104df7d-45d8-4452-8e7b-87a294855c81 Norway (NO)<br>24c2aaf6-efa6-4f38-9984-467b7adbc64d Germany (DE)<br>9bb2d9f8-ae7f-4397-b1c8-cf38c2f49a88 Belgium (BE)<br>a16f22fe-bfcd-4dcf-8d53-7b810495c5c1 Belgium (BE)<br>7104df7d-45d8-4452-8e7b-87a294855c81 Norway (NO)<br>b4184496-b9d4-4f3d-82af-45fc0ea6e638 Germany (DE)<br>d710c617-6af4-45d0-89aa-4abab4a19884 Germany (DE)<br>f6aaf9e7-3c2e-4221-9502-3b8ad53f4a29 Bulgaria (BG)<br>37ed450c-18e1-4aca-a327-e9356c862e33 Portugal (PT)<br>93145cd1-8e65-4d03-9299-0a76303094bb Sweden (SE)<br>24c2aaf6-efa6-4f38-9984-467b7adbc64d Germany (DE)<br>7c8ccc19-d564-4365-9df7-0b4f6b0fc6a9 Denmark (DK)<br>d9533df1-0345-413f-893b-2dee4b059446 Germany (DE)<br>77208f2d-17f8-40c9-b398-2a3fc039fdc1 Hungary (HU)<br>4d9bb425-b982-4642-9d9b-841d2917914b France (FR)<br>ea3a14df-1046-460d-bac5-5a4e3e8f96ec Spain (ES)<br>a16f22fe-bfcd-4dcf-8d53-7b810495c5c1 Belgium (BE)<br>e77fb4a5-88f7-4c38-9454-53a39f5359dd France (FR)<br>00037973-96c7-4c05-9eb8-1e49380280da Finland (FI)<br>37ed450c-18e1-4aca-a327-e9356c862e33 Portugal (PT)<br>09fa3138-cbac-428b-95fd-ff20d8764611 Czech Republic (CZ)<br>c3ac362f-9c1e-48a2-9975-b44ca218c015 Hungary (HU)<br>e5d2b216-bca8-4375-8e79-2f9a80899db7 Croatia (HR)<br>3ec78487-f0e6-4259-b72d-0f8b8f6428ce Sweden (SE)<br>c3ac362f-9c1e-48a2-9975-b44ca218c015 Hungary (HU)<br>4ed7dd67-93f7-4573-8ba2-37599919c04b Germany (DE) |

## Environmental

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

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## Ordering

| | |
|---|---|
| Order Code US and Canada | ZABSEJBD000A000000XX |
| EAN | 8015644753443 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85362090 |

## Dimensions

| | |
|---|---|
| Product Net Width | 280 mm |
| Product Net Height | 296 mm |
| Product Net Depth / Length | 183 mm |
| Product Net Weight | 16 kg |

## Container Information

| | |
|---|---|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 350 mm |
| Package Level 1 Height | 350 mm |
| Package Level 1 Depth / Length | 330 mm |
| Package Level 1 Gross Weight | 18 kg |
| Package Level 1 EAN | 8015644753443 |

## Additional Information

| | |
|---|---|
| Product Main Type | SACE Emax 2 |
| Product Name | Air Circuit Breaker |
| Product Type | Air Circuit Breaker |
| Version | F |
| CAD Dimensional Drawing | 1SDH001252R0042 |

## Technical

| | |
|---|---|
| Current Type | AC |
| Electrical Durability | Ue =< 440 V 3000 cycle<br>Ue = 500 ... 690 V 6500 cycle<br>30 cycles per hour |
| Mechanical Durability | 20000 cycle<br>60 cycles per hour |
| Neutral Pole Current ([% Iu]) | 100 % |
| Number of Poles | 4P |
| Power Loss | 201 W |
| Rated Current ($I_n$) | 1600 A |
| Rated Impulse Withstand Voltage ($U_{imp}$) | acc. to IEC 60947-2 12 kV |
| Rated Insulation Voltage ($U_i$) | AC 1000 V |
| Rated Operational | 690 V AC |

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| Voltage | |
|---|---|
| Rated Service Short-Circuit Breaking Capacity ($I_{cs}$) | (220 V AC) 42 kA<br>(230 V AC) 42 kA<br>(380 V AC) 42 kA<br>(400 V AC) 42 kA<br>(415 V AC) 42 kA<br>(440 V AC) 42 kA<br>(500 V AC) 42 kA<br>(660 V AC) 42 kA<br>(690 V AC) 42 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 42 kA<br>for 3 s 24 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ($I_{cu}$) | (400 V AC) 42 kA<br>(415 V AC) 42 kA<br>(440 V AC) 42 kA<br>(500 V AC) 42 kA<br>(525 V AC) 42 kA<br>(690 V AC) 42 kA |
| Rated Uninterrupted Current ($I_u$) | 1600 A |
| Rated Voltage ($U_r$) | 690 V |
| Recommended Screw Driver | Main Circuit M10 |
| Release | Ekip Touch LI |
| Release Type | EL |
| Short-Circuit Performance Level | B |
| Standards | IEC |
| Sub-type | E1.2 |
| Suitable for IT Networks | Yes, 690V |
| Terminal Connection Type | Front |
| Terminal Type | Bolt |
| Tightening Torque | 45 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 | 9AKK106713A5546 |
| UL Certificate | No certification needed |
| VDE Certificate | No certification needed |
| Mechanical Drawings | 1SDH000999R0101 |
| Wiring Diagram | 1SDM000091R0001 |
| Instructions and Manuals | 1SDH000999R0002 |
| Instructions and Manuals (Part 2) | 1SDH001316R1002 |

## 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 |
| IDEA Granular Category Code (IGCC) | 4926 >> Air circuit breakers |
| Object Classification Code | Q |
| UNSPSC | 39121615 |
| WEEE Category | 5. Small Equipment (No 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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