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 PRODUCT-DETAILS

# E2.2B 1600 Ekip Dip LSIG 3p F HR

# E2.2B 1600 Ekip Dip LSIG 3p F HR




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**General Information**

|                       |   |
|-----------------------|---|
| Extended Product Type | E2.2B 1600 Ekip Dip LSIG 3p F HR  |
| Product ID            | 1SDA070983R1  |
| EAN                   | 8015644748333   |
| Catalog Description   | E2.2B 1600 Ekip Dip LSIG 3p F HR  |
| Long Description      | C.BREAKER SACE EMAX2 E2.2B 1600 FIXED THREE-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/DIP-LSIG R 1600 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |

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**ABB EcoSolutions**

|   |   |
|---|---|
| ABB EcoSolutions                                  | Yes   |
| ABB Site Meeting Group Waste To Landfill Target   | UL 2799 Zero Waste To Landfill Validation available           |
| End Of Life Disassembling Instructions            | 9AKK108468A2361   |
| Environmental Product Declaration - EPD           | 9AKK108468A1902<br>9AKK108468A1909                            |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 79.1 % |

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## Material Compliance

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|   |  |
|---|--|
| REACH Declaration                           | 9AKK108466A1425  |
| RoHS Information                            | 9AKK108466A1424  |
| 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  | 5db9272f-d385-4a4a-a0e6-73274e7613b2 Italy                             |

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## Environmental

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

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## Ordering

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|                          |                      |
|--------------------------|----------------------|
| Order Code US and Canada | Z2BSEJBC000A000000XX |
| EAN                      | 8015644748333        |
| Minimum Order Quantity   | 1 piece              |
| Customs Tariff Number    | 85362090             |

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## Dimensions

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|----------------------------|--------|
| Product Net Width          | 276 mm |
| Product Net Height         | 371 mm |
| Product Net Depth / Length | 270 mm |
| Product Net Weight         | 41 kg  |

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## Container Information

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|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 515 mm        |
| Package Level 1 Height         | 610 mm        |
| Package Level 1 Depth / Length | 515 mm        |
| Package Level 1 Gross Weight   | 46 kg         |
| Package Level 1 EAN            | 8015644748333 |

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## Additional Information

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|-------------------------|---------------------|
| Product Main Type       | SACE Emax 2         |
| Product Name            | Air Circuit Breaker |
| Product Type            | Air Circuit Breaker |
| Version                 | F                   |
| CAD Dimensional Drawing | 1SDH001252R0083     |

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## Technical

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|                       |   |
|-----------------------|---|
| Current Type          | AC  |
| Electrical Durability | Ue =< 440 V 12000 cycle<br>Ue = 500 ... 690 V 10000 cycle |

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|--|--|
|  | 30 cycles per hour   |
| Mechanical Durability  | 25000 cycle<br>60 cycles per hour  |
| Number of Poles  | 3P   |
| Power Loss   | 136 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 Voltage  | 690 V AC   |
| 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 |
| Rated Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ ) | 100 %  |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ )                  | for 1 s 42 kA<br>for 3 s 42 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 M12   |
| Release  | Ekip Dip LSIG  |
| Release Type   | EL   |
| Short-Circuit Performance Level  | B  |
| Standards  | IEC  |
| Sub-type   | E2.2   |
| 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    | 9AKK106713A5902         |
| UL Certificate                    | No certification needed |
| VDE Certificate                   | No certification needed |
| Mechanical Drawings               | 1SDH001000R0100         |
| Wiring Diagram                    | 1SDM000091R0001         |
| Instructions and Manuals          | 1SDH001000R0002         |

## External Classifications and Standards

|                                    |  |
|------------------------------------|--|
| 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   |

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## Categories

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

