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 PRODUCT-DETAILS

## E2.2S 2000 Ekip Hi-Touch LSI 4p F HR

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**General Information**

|                       |  |
|-----------------------|--|
| Extended Product Type | E2.2S 2000 Ekip Hi-Touch LSI 4p F HR   |
| Product ID            | 1SDA071678R1   |
| EAN                   | 8015644755287  |
| Catalog Description   | E2.2S 2000 Ekip Hi-Touch LSI 4p F HR   |
| Long Description      | C.BREAKER SACE EMAX2 E2.2S 2000 FIXED FOUR-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/HI-TOUCH-LSI R 2000 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |

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**ABB EcoSolutions**

|                  |     |
|------------------|-----|
| ABB EcoSolutions | Yes |
|------------------|-----|

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**Circular Value**

|                               |   |
|-------------------------------|---|
| Circular Design               | Design for Closing Resource Loops - Standard EN45555 - 79.1 % |
| Principles Recyclability Rate |   |
| Conflict Minerals             | 9AKK108467A5658   |

**Reporting Template  
(CMRT)**

|                                     |   |
|-------------------------------------|---|
| End of Life Instructions            | 9AKK108468A2361                                     |
| Group Waste to Landfill Target      | UL 2799 Zero Waste To Landfill Validation available |
| Toxic Substances Control Act - TSCA | 9AKK108467A8326                                     |

**Eco Transparency**

|   |                 |
|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108468A1902 |
|   | 9AKK108468A1909 |

**Environmental**

|                           |  |
|---------------------------|--|
| Environmental Information | 9AKK108467A6707  |
| REACH Declaration         | 9AKK108466A1425  |
| RoHS Information          | 9AKK108466A1424  |
| RoHS Status               | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP                      | 5db9272f-d385-4a4a-a0e6-73274e7613b2 Italy (IT)                        |

**Ordering**

|                          |                      |
|--------------------------|----------------------|
| Order Code US and Canada | ZBSTEKBJ200A000000XX |
| EAN                      | 8015644755287        |
| Minimum Order Quantity   | 1 piece              |
| Customs Tariff Number    | 85362090             |

**Dimensions**

|                            |        |
|----------------------------|--------|
| Product Net Width          | 366 mm |
| Product Net Height         | 371 mm |
| Product Net Depth / Length | 270 mm |
| Product Net Weight         | 53 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 | 615 mm        |
| Package Level 1 Gross Weight   | 58 kg         |
| Package Level 1 EAN            | 8015644755287 |

**Additional Information**

|                       |                         |
|-----------------------|-------------------------|
| Current Type          | AC                      |
| Electrical Durability | Ue =< 440 V 10000 cycle |

|  |  |
|--|--|
|  | Ue = 500 ... 690 V 8000 cycle<br>30 cycles per hour  |
| Mechanical Durability  | 25000 cycle<br>60 cycles per hour  |
| Neutral Pole Current ([% I <sub>n</sub> ])                             | 100 %  |
| Number of Poles  | 4  |
| Power Loss   | 212 W  |
| Product Main Type  | SACE Emax 2  |
| Product Name   | Air Circuit Breaker  |
| Product Type   | Air Circuit Breaker  |
| Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cs</sub> | 100 %  |
| Rated Current (I <sub>n</sub> )  | 2000 A   |
| Rated Voltage (U <sub>r</sub> )  | 690 V  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                    | acc. to IEC 60947-2 12 kV  |
| Rated Insulation Voltage (U <sub>i</sub> )                             | AC 1000 V  |
| Rated Operational Voltage  | 690 V AC   |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )       | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 85 kA<br>(400 V AC) 85 kA<br>(415 V AC) 85 kA<br>(440 V AC) 85 kA<br>(500 V AC) 66 kA<br>(660 V AC) 66 kA<br>(690 V AC) 66 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> )      | for 1 s 66 kA<br>for 3 s 50 kA   |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )      | (400 V AC) 85 kA<br>(415 V AC) 85 kA<br>(440 V AC) 85 kA<br>(500 V AC) 66 kA<br>(525 V AC) 66 kA<br>(690 V AC) 66 kA   |
| Rated Uninterrupted Current (I <sub>u</sub> )                          | 2000 A   |
| Recommended Screw Driver   | Main Circuit M12   |
| Release  | Ekip Hi-Touch LSI  |
| Release Type   | EL   |
| Short-Circuit Performance Level  | S  |
| Standards  | IEC  |
| Sub-type   | E2.2   |
| Terminal Connection Type   | Rear flat Horizontal   |
| Terminal Type  | Bolt   |
| Tightening Torque  | 70 N·m   |
| Version  | F  |
| CAD Dimensional Drawing  | 1SDH001252R0123  |

## 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         |
| Instructions and Manuals (Part 2) | 1SDH001316R1002         |

## Classifications

|                                    |  |
|------------------------------------|--|
| ETIM 7                             | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| 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

