



PRODUCT-DETAILS

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

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| General Information   |                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | E2.2S 2000 Ekip Hi-Touch LSIG 4p F HR                                                                                                                                                                         |
| Product ID            | 1SDA071679R1                                                                                                                                                                                                  |
| EAN                   | 8015644755294                                                                                                                                                                                                 |
| Catalog Description   | E2.2S 2000 Ekip Hi-Touch LSIG 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-LSIG R 2000 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |

| 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 % |

## Material Compliance

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                        | 2fd6aa24-af89-4805-bf6d-2dc199d47f86 Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Simplified SCIP                             | bd6e3f4b-d2e2-462c-9e88-fd9fc55d6bbd Germany<br>e851b46b-b8a4-4cc0-8ae3-f9764fa5362d Hungary<br>47bf89e0-6899-44d5-a18d-1ee7c13ee619 Belgium<br>ed414856-0b99-4d93-be65-62142653fa4f Spain<br>898b3e8e-fae7-4056-9342-16b3556d7e2d Hungary<br>8d64f960-3831-48aa-ab9e-bcea97daaa8b Norway<br>7e3ebd7f-f3d5-4271-b543-6920349ddb8e Poland<br>36f1ccd8-13e4-4998-b647-9c897a349563 France<br>10337001-99d9-4e9c-9202-52423418a4c6 Germany<br>2e35534c-e04b-4c2a-8d11-0d8f3f1c06a7 Germany<br>02c0463b-a204-4a45-9e2c-bea1844e5528 Croatia<br>8d247a88-6b1d-40ae-99ca-9d6719e62700 Bulgaria<br>d76aeb6e-cbdd-44c8-a18d-ced0261f758b Denmark<br>d56e797b-1f0f-4320-a431-545fab382558 Germany<br>aea4a51a-6350-4029-b29c-ad4d93e69748 Germany<br>42910272-0f78-4ff2-9e16-3bff30af97f7 Finland<br>4b1faf69-52a8-451e-bb5d-792f2548e0dd Greece<br>6117abcd-cfc7-4ac3-8c7c-1aa5d9a1043e France<br>98ba0f2b-8989-487b-9b2a-1369ca699a22 Sweden<br>580cca63-b3b3-484d-bcbe-0cd0e081662b Belgium<br>a8970d8c-07b7-4843-aa13-e97bba896e93 Netherlands<br>fc1f8138-7364-489a-b441-75be51e820bf Estonia<br>2d396dce-7a81-4598-835d-39cbb5fc9043 Poland<br>cd21be63-1a2b-4ae0-a5b8-1a766016261e Poland<br>e680c7c3-b997-4012-ab81-14424d91bed5 Czech Republic<br>77049f79-f334-4543-8ae1-acc41eba450 Sweden<br>d581ac82-d3c4-4c38-b552-33ed9ec69fb9 Portugal |

## Environmental

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

## Ordering

|                          |                      |
|--------------------------|----------------------|
| Order Code US and Canada | ZBSTEKKB200A000000XX |
| EAN                      | 8015644755294        |
| 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            | 8015644755294 |

## Additional Information

|                         |                     |
|-------------------------|---------------------|
| Product Main Type       | SACE Emax 2         |
| Product Name            | Air Circuit Breaker |
| Product Type            | Air Circuit Breaker |
| Version                 | F                   |
| CAD Dimensional Drawing | 1SDH001252R0123     |

## Technical

|                                                                              |                                                                                                                                                                                  |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current Type                                                                 | AC                                                                                                                                                                               |
| Electrical Durability                                                        | $U_e \leq 440 \text{ V}$ 10000 cycle<br>$U_e = 500 \dots 690 \text{ V}$ 8000 cycle<br>30 cycles per hour                                                                         |
| Mechanical Durability                                                        | 25000 cycle<br>60 cycles per hour                                                                                                                                                |
| Neutral Pole Current ([% $I_n$ ])                                            | 100 %                                                                                                                                                                            |
| Number of Poles                                                              | 4P                                                                                                                                                                               |
| Power Loss                                                                   | 212 W                                                                                                                                                                            |
| Rated Current ( $I_n$ )                                                      | 2000 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) 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 Service Short-Circuit Breaking Capacity, in % of $I_{cu}$ ( $I_{cs}$ ) | 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) 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 ( $I_u$ )                                        | 2000 A                                                                                                                                                                           |
| Rated Voltage ( $U_r$ )                                                      | 690 V                                                                                                                                                                            |
| Recommended Screw Driver                                                     | Main Circuit M12                                                                                                                                                                 |
| Release                                                                      | Ekip Hi-Touch LSIG                                                                                                                                                               |
| Release Type                                                                 | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                                              | S                                                                                                                                                                                |
| 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         |
| Instructions and Manuals (Part 2) | 1SDH001316R1002         |

## 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                                                             |

## Categories

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

