



PRODUCT-DETAILS

E1.2N 1000 Ekip Dip LI 4p F F

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| General Information   |                                                                                                                                                                                              |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | E1.2N 1000 Ekip Dip LI 4p F F                                                                                                                                                                |
| Product ID            | 1SDA071431R1                                                                                                                                                                                 |
| EAN                   | 8015644752811                                                                                                                                                                                |
| Catalog Description   | E1.2N 1000 Ekip Dip LI 4p F F                                                                                                                                                                |
| Long Description      | C.BREAKER SACE EMAX2 E1.2N 1000 FIXED FOUR-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC EKIP/DIP-LI R 1000 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          | 9AKK108468A2360                                               |
| Environmental Product Declaration - EPD         | 9AKK108468A1900<br>9AKK108468A3028                            |
| Recyclability Rate of the                       | Design for Closing Resource Loops - Standard EN45555 - 76.4 % |

Product acc. to EN45555

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                                        | cfdb7292-d4c9-4036-ba03-7991cc5acd93 Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Simplified SCIP                             | 8d09cef3-9351-485b-b7b7-70f458e0f970 Finland<br>65e0e305-51b3-4674-9654-dcf178149e08 Belgium<br>e5a2ef0b-6bb2-4d8c-97a7-32cb28b9ca3b Hungary<br>34875f5a-effc-4e62-8f3d-8a20e8e31818 France<br>0894e775-5971-45dc-aa40-a22814bb39c8 Croatia<br>663e13e9-5fb6-4b70-807a-3526cb02eac1 Poland<br>b69fe134-7b35-4443-a82d-217ecbb4de03 Germany<br>b88b4041-358e-4931-bf56-cc39e78e3fa6 Germany<br>96f4a908-7aef-4b65-b0f1-7a54ac0d89a7 Estonia<br>956a377f-f2c9-49dc-9fb6-8a96c3185a49 Bulgaria<br>0af5269f-e1fc-42bb-a243-43cafb71b296 Denmark<br>d64d166c-df47-411c-b5d8-58b17129026a Norway<br>f55209c7-efcf-4ab7-bd56-8df3cf2fb5dc Czech Republic<br>6ac9e08b-74f8-49e7-a7bc-893e4aed2d9e Germany<br>abfe6cfd-b401-4829-9f30-4b6b0f643b92 Poland<br>ddc50cc0-f55d-43ac-94a3-a5b0758dc573 Portugal<br>250da3f7-955a-4c02-94e0-58acf5f4b747 Germany<br>eb184905-5fa5-44a9-b6f7-2bf2b4721627 Netherlands<br>04f17a0a-45ae-4bac-8f56-7fc6ced937cd Greece<br>1efee0a0-bd20-40df-b03c-bc05e1bf1dbb Sweden<br>f467d610-499b-4ab6-8108-42cf029dbc0e Sweden<br>08748c75-c14b-48e3-b71d-93c4d25b04ed Poland<br>32b82901-d046-4902-a9d0-9ff0718631a5 France<br>dedac102-56a5-4f8f-8a40-28ff571f3751 Spain<br>1bd97c8e-8994-4d09-84ae-f130e7aa1497 Hungary<br>efc04081-91f5-4b0b-b910-b64d71d87d68 Germany<br>95d2aa89-464e-4a7f-b833-84beb3cae148 Belgium |

Environmental

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

Ordering

|                          |                      |
|--------------------------|----------------------|
| Order Code US and Canada | ZANQEGBA000A000000XX |
| EAN                      | 8015644752811        |
| 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            | 8015644752811 |

**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 8000 cycle<br>Ue = 500 ... 690 V 8000 cycle<br>30 cycles per hour                                                                                                     |
| Mechanical Durability                                                                     | 20000 cycle<br>60 cycles per hour                                                                                                                                                |
| Neutral Pole Current ([% I <sub>n</sub> ])                                                | 100 %                                                                                                                                                                            |
| Number of Poles                                                                           | 4P                                                                                                                                                                               |
| Power Loss                                                                                | 78 W                                                                                                                                                                             |
| Rated Current (I <sub>n</sub> )                                                           | 1000 A                                                                                                                                                                           |
| 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) 66 kA<br>(230 V AC) 66 kA<br>(380 V AC) 66 kA<br>(400 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 50 kA<br>(500 V AC) 50 kA<br>(660 V AC) 50 kA<br>(690 V AC) 50 kA |
| Rated Service Short-Circuit Breaking Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> ) | 100 %                                                                                                                                                                            |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> )                         | for 1 s 50 kA<br>for 3 s 30 kA                                                                                                                                                   |
| Rated Ultimate Short-                                                                     | (400 V AC) 66 kA                                                                                                                                                                 |

|                                               |                                                                                                  |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------|
| Circuit Breaking Capacity (I <sub>cu</sub> )  | (415 V AC) 66 kA<br>(440 V AC) 66 kA<br>(500 V AC) 50 kA<br>(525 V AC) 50 kA<br>(690 V AC) 50 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ) | 1000 A                                                                                           |
| Rated Voltage (U <sub>r</sub> )               | 690 V                                                                                            |
| Recommended Screw Driver                      | Main Circuit M10                                                                                 |
| Release                                       | Ekip Dip LI                                                                                      |
| Release Type                                  | EL                                                                                               |
| Short-Circuit Performance Level               | N                                                                                                |
| 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         |

## 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

