



PRODUCT-DETAILS

E2.2H 1600 Ekip Touch LSIG 3p F HR  
E2.2H 1600 Ekip Touch LSIG 3p F HR



| General Information   |                                                                                                                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | E2.2H 1600 Ekip Touch LSIG 3p F HR                                                                                                                                                                          |
| Product ID            | 1SDA071016R1                                                                                                                                                                                                |
| EAN                   | 8015644748661                                                                                                                                                                                               |
| Catalog Description   | E2.2H 1600 Ekip Touch LSIG 3p F HR                                                                                                                                                                          |
| Long Description      | C.BREAKER SACE EMAX2 E2.2H 1600 FIXED THREE-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC Ekip/TOUCH-LSIG R 1600 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                                        | 9e5cbd43-8fb6-48e1-87cd-5dc8217a7ed5 Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Simplified SCIP                             | 40f135ac-e0dc-455a-9d19-abe2c66f251d Germany<br>cbbf5660-8aec-4f9d-bd93-65424b50f482 Czech Republic<br>5eec0a7b-1b8a-4597-b0d2-f2f478a84612 Poland<br>3a621390-ded4-4f1c-841c-6e0288708bcc Poland<br>a12322e9-7240-4516-b932-a048a617ecc2 Sweden<br>20d143b6-24c8-42de-80c2-9e119a9ec66e Portugal<br>96e160e5-08d1-40c6-bf96-287f4cafbf53 Germany<br>08d5b93e-6d01-4b99-af21-b3acb89fa4bc Germany<br>26f21a60-8d6d-45e1-9f33-36bf27343e50 Estonia<br>ac293c58-794e-49c0-a775-f5cabffe41cc Sweden<br>b2d4066f-3e86-44c0-9c78-7bb72a5fca8a Netherlands<br>62a6762e-af58-4cdc-9377-b109d5eac976 Finland<br>501536a2-042a-4cf6-8e86-9270988b32f1 France<br>66ec730b-6b23-4d90-8a49-c8c2e67b476d Germany<br>b334c2f4-86b9-4b81-8fa5-07ef5e9d3dba Denmark<br>a74f6877-11ff-4720-b29b-804dc13107c6 Germany<br>7ab8f0c3-a583-45a0-96b7-5f64e1e73fb9 Bulgaria<br>32f24a6a-f419-4096-afa2-2962fe43c208 Hungary<br>cecb30a-74df-4350-93a1-5251a8bdc2ba Poland<br>15f57b43-b133-48b3-b251-ea357c32226e Norway<br>5796e567-fb2a-414a-b8f9-62cf125d3722 Hungary<br>52512f79-1ac0-4d65-86f7-0b1528842155 Spain<br>c9527207-a4d6-47f6-9f5e-a1d4c2336fd8 Belgium<br>f3512ede-9632-4c68-b8e0-78a46ff7d740 France<br>05a9b3a8-84be-45bd-8415-3186be21907c Croatia<br>2a7c92c7-d771-49db-b7e9-9ee7bb2b00b6 Belgium<br>37889732-ab93-4f52-acf0-ce7977b39cab Greece |

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

| Ordering                 |                      |
|--------------------------|----------------------|
| Order Code US and Canada | Z2HSEJBF000A000000XX |
| EAN                      | 8015644748661        |
| Minimum Order Quantity   | 1 piece              |
| Customs Tariff Number    | 85362090             |

| Dimensions                 |        |
|----------------------------|--------|
| Product Net Width          | 276 mm |
| Product Net Height         | 371 mm |
| Product Net Depth / Length | 270 mm |
| Product Net Weight         | 41 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 | 515 mm        |
| Package Level 1 Gross Weight   | 46 kg         |
| Package Level 1 EAN            | 8015644748661 |

## Additional Information

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

## Technical

|                                                                              |                                                                                                                                                                                        |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current Type                                                                 | AC                                                                                                                                                                                     |
| Electrical Durability                                                        | Ue =< 440 V 12000 cycle<br>Ue = 500 ... 690 V 10000 cycle<br>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) 100 kA<br>(230 V AC) 100 kA<br>(380 V AC) 100 kA<br>(400 V AC) 100 kA<br>(415 V AC) 100 kA<br>(440 V AC) 100 kA<br>(500 V AC) 85 kA<br>(660 V AC) 85 kA<br>(690 V AC) 85 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 85 kA<br>for 3 s 66 kA                                                                                                                                                         |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )                  | (400 V AC) 100 kA<br>(415 V AC) 100 kA<br>(440 V AC) 100 kA<br>(500 V AC) 85 kA<br>(525 V AC) 85 kA<br>(690 V AC) 85 kA                                                                |
| Rated Uninterrupted Current ( $I_u$ )                                        | 1600 A                                                                                                                                                                                 |
| Rated Voltage ( $U_r$ )                                                      | 690 V                                                                                                                                                                                  |
| Recommended Screw Driver                                                     | Main Circuit M12                                                                                                                                                                       |
| Release                                                                      | Ekip Touch LSIG                                                                                                                                                                        |
| Release Type                                                                 | EL                                                                                                                                                                                     |
| Short-Circuit Performance Level                                              | H                                                                                                                                                                                      |
| 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

