



PRODUCT-DETAILS

E2.2N 1600 Ekip Dip LI 4p F HR

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| General Information                         |                                                                                                                                                                                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type                       | E2.2N 1600 Ekip Dip LI 4p F HR                                                                                                                                                                         |
| Product ID                                  | 1SDA071621R1                                                                                                                                                                                           |
| EAN                                         | 8015644754716                                                                                                                                                                                          |
| Catalog Description                         | E2.2N 1600 Ekip Dip LI 4p F HR                                                                                                                                                                         |
| Long Description                            | C.BREAKER SACE EMAX2 E2.2N 1600 FIXED FOUR-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/DIP-LI R 1600 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |
| ABB EcoSolutions                            |                                                                                                                                                                                                        |
| ABB EcoSolutions                            | Yes                                                                                                                                                                                                    |
| Circular Value                              |                                                                                                                                                                                                        |
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 79.1 %                                                                                                                                          |
| Recyclability Rate                          |                                                                                                                                                                                                        |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                                                                                                                                                                        |

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| 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<br>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 | ZBNSEJBA000A000000XX |
| EAN                      | 8015644754716        |
| 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            | 8015644754716 |

Additional Information

|                               |                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------|
| 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                                               |
| Neutral Pole Current ([% Iu]) | 100 %                                                                           |
| Number of Poles               | 4                                                                               |

|                                                                                           |                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Loss                                                                                | 136 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> (I <sub>cs</sub> ) | 100 %                                                                                                                                                                            |
| Rated Current (I <sub>n</sub> )                                                           | 1600 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) 66 kA<br>(230 V AC) 66 kA<br>(380 V AC) 66 kA<br>(400 V AC) 66 kA<br>(415 V AC) 66 kA<br>(440 V AC) 66 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) 66 kA<br>(415 V AC) 66 kA<br>(440 V AC) 66 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> )                                             | 1600 A                                                                                                                                                                           |
| Recommended Screw Driver                                                                  | Main Circuit M12                                                                                                                                                                 |
| Release                                                                                   | Ekip Dip LI                                                                                                                                                                      |
| Release Type                                                                              | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                                                           | N                                                                                                                                                                                |
| 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         |

| 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

