



PRODUCT-DETAILS

E2.2B 1600 Ekip Dip LSIG 4p F HR

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| General Information   |                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | E2.2B 1600 Ekip Dip LSIG 4p F HR                                                                                                                                                                         |
| Product ID            | 1SDA071613R1                                                                                                                                                                                             |
| EAN                   | 8015644754631                                                                                                                                                                                            |
| Catalog Description   | E2.2B 1600 Ekip Dip LSIG 4p F HR                                                                                                                                                                         |
| Long Description      | C.BREAKER SACE EMAX2 E2.2B 1600 FIXED FOUR-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/DIP-LSIG R 1600 FITTED WITH: 4 AUXILIARY CONTACT AND C.BREAKER IN POSITION OPEN-CLOSED |

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

| 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 | ZBBSEJBC000A000000XX |
| EAN                      | 8015644754631        |
| 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            | 8015644754631 |

Additional Information

|                       |                         |
|-----------------------|-------------------------|
| Current Type          | AC                      |
| Electrical Durability | Ue =< 440 V 12000 cycle |

|                                                                                                  |                                                                                                                      |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|                                                                                                  | Ue = 500 ... 690 V 10000 cycle<br>30 cycles per hour                                                                 |
| Mechanical Durability                                                                            | 25000 cycle<br>60 cycles per hour                                                                                    |
| Neutral Pole Current ([%<br>I <sub>u</sub> ])                                                    | 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-<br>Circuit Breaking<br>Capacity, in % of I <sub>cu</sub> (I <sub>cs</sub> ) | 100 %                                                                                                                |
| Rated Current (I <sub>n</sub> )                                                                  | 1600 A                                                                                                               |
| Rated Voltage (U <sub>r</sub> )                                                                  | 690 V                                                                                                                |
| Rated Impulse<br>Withstand Voltage (U <sub>imp</sub><br>)                                        | acc. to IEC 60947-2 12 kV                                                                                            |
| Rated Insulation Voltage<br>(U <sub>i</sub> )                                                    | AC 1000 V                                                                                                            |
| Rated Operational<br>Voltage                                                                     | 690 V AC                                                                                                             |
| Rated Service Short-<br>Circuit Breaking<br>Capacity (I <sub>cs</sub> )                          | (220 V AC) 42 kA<br>(230 V AC) 42 kA<br>(380 V AC) 42 kA<br>(400 V AC) 42 kA<br>(415 V AC) 42 kA<br>(440 V AC) 42 kA |
| Rated Short-time<br>Withstand Current Low<br>Voltage (I <sub>cw</sub> )                          | for 1 s 42 kA<br>for 3 s 42 kA                                                                                       |
| Rated Ultimate Short-<br>Circuit Breaking<br>Capacity (I <sub>cu</sub> )                         | (400 V AC) 42 kA<br>(415 V AC) 42 kA<br>(440 V AC) 42 kA<br>(500 V AC) 42 kA<br>(525 V AC) 42 kA<br>(690 V AC) 42 kA |
| Rated Uninterrupted<br>Current (I <sub>u</sub> )                                                 | 1600 A                                                                                                               |
| Recommended Screw<br>Driver                                                                      | Main Circuit M12                                                                                                     |
| Release                                                                                          | Ekip Dip LSIG                                                                                                        |
| Release Type                                                                                     | EL                                                                                                                   |
| Short-Circuit<br>Performance Level                                                               | B                                                                                                                    |
| Standards                                                                                        | IEC                                                                                                                  |
| Sub-type                                                                                         | E2.2                                                                                                                 |
| Terminal Connection<br>Type                                                                      | Rear flat Horizontal                                                                                                 |
| Terminal Type                                                                                    | Bolt                                                                                                                 |
| Tightening Torque                                                                                | 70 N·m                                                                                                               |
| Version                                                                                          | F                                                                                                                    |
| CAD Dimensional<br>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

