



PRODUCT-DETAILS

# E1.2N 1600 Ekip Hi-Touch LSI 4p F F

## E1.2N 1600 Ekip Hi-Touch LSI 4p F F



| General Information   |                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | E1.2N 1600 Ekip Hi-Touch LSI 4p F F                                                                                                                                                                |
| Product ID            | 1SDA071518R1                                                                                                                                                                                       |
| EAN                   | 8015644753689                                                                                                                                                                                      |
| Catalog Description   | E1.2N 1600 Ekip Hi-Touch LSI 4p F F                                                                                                                                                                |
| Long Description      | C.BREAKER SACE EMAX2 E1.2N 1600 FIXED FOUR-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC EKIP/HI-TOUCH-LSI 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 - 76.4 % |
| Principles Recyclability Rate |                                                               |
| Conflict Minerals             | 9AKK108467A5658                                               |

|                                     |                                                     |                 |
|-------------------------------------|-----------------------------------------------------|-----------------|
| Reporting Template (CMRT)           |                                                     |                 |
| End of Life Instructions            |                                                     | 9AKK108468A2360 |
| 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 | 9AKK108468A1900 |
|                                         | 9AKK108468A3028 |

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 |

Ordering

|                          |                      |
|--------------------------|----------------------|
| Order Code US and Canada | ZANSEJB3200A000000XX |
| EAN                      | 8015644753689        |
| 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            | 8015644753689 |

Additional Information

|                       |                                                         |
|-----------------------|---------------------------------------------------------|
| Current Type          | AC                                                      |
| Electrical Durability | Ue =< 440 V 3000 cycle<br>Ue = 500 ... 690 V 6500 cycle |

|                                                                                           |                                                                                                                                                                                  |
|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                           | 30 cycles per hour                                                                                                                                                               |
| Mechanical Durability                                                                     | 20000 cycle                                                                                                                                                                      |
|                                                                                           | 60 cycles per hour                                                                                                                                                               |
| Neutral Pole Current ([% I <sub>u</sub> ])                                                | 100 %                                                                                                                                                                            |
| Number of Poles                                                                           | 4                                                                                                                                                                                |
| Power Loss                                                                                | 201 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>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 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 Short-time Withstand Current Low Voltage (I <sub>cw</sub> )                         | for 1 s 50 kA<br>for 3 s 30 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) 50 kA<br>(525 V AC) 50 kA<br>(690 V AC) 50 kA                                                             |
| Rated Uninterrupted Current (I <sub>u</sub> )                                             | 1600 A                                                                                                                                                                           |
| Recommended Screw Driver                                                                  | Main Circuit M10                                                                                                                                                                 |
| Release                                                                                   | Ekip Hi-Touch LSI                                                                                                                                                                |
| Release Type                                                                              | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                                                           | N                                                                                                                                                                                |
| Standards                                                                                 | IEC                                                                                                                                                                              |
| Sub-type                                                                                  | E1.2                                                                                                                                                                             |
| Terminal Connection Type                                                                  | Front                                                                                                                                                                            |
| Terminal Type                                                                             | Bolt                                                                                                                                                                             |
| Tightening Torque                                                                         | 45 N·m                                                                                                                                                                           |
| Version                                                                                   | F                                                                                                                                                                                |
| CAD Dimensional Drawing                                                                   | 1SDH001252R0042                                                                                                                                                                  |

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         |
| Instructions and Manuals (Part 2) | 1SDH001316R1002         |

**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

