



PRODUCT-DETAILS

E2.2S 2500 Ekip Hi-Touch LSI 3p F HR

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General Information

|                       |                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | E2.2S 2500 Ekip Hi-Touch LSI 3p F HR                                                                                                                                                                          |
| Product ID            | 1SDA071078R1                                                                                                                                                                                                  |
| EAN                   | 8015644749286                                                                                                                                                                                                 |
| Catalog Description   | E2.2S 2500 Ekip Hi-Touch LSI 3p F HR                                                                                                                                                                          |
| Long Description      | C.BREAKER SACE EMAX2 E2.2S 2500 FIXED THREE-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/HI-TOUCH-LSI R 2500 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                                                        |

## Environmental

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

## Ordering

|                          |                     |
|--------------------------|---------------------|
| Order Code US and Canada | Z2SUELB200A000000XX |
| EAN                      | 8015644749286       |
| 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            | 8015644749286 |

## 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 8000 cycle<br>Ue = 500 ... 690 V 7000 cycle<br>30 cycles per hour |

|                                                                              |                                                                                                                                                                                  |
|------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical Durability                                                        | 20000 cycle<br>60 cycles per hour                                                                                                                                                |
| Number of Poles                                                              | 3P                                                                                                                                                                               |
| Power Loss                                                                   | 267 W                                                                                                                                                                            |
| Rated Current ( $I_n$ )                                                      | 2500 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) 85 kA<br>(230 V AC) 85 kA<br>(380 V AC) 85 kA<br>(400 V AC) 85 kA<br>(415 V AC) 85 kA<br>(440 V AC) 85 kA<br>(500 V AC) 66 kA<br>(660 V AC) 66 kA<br>(690 V AC) 66 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 66 kA<br>for 3 s 50 kA                                                                                                                                                   |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ )                  | (400 V AC) 85 kA<br>(415 V AC) 85 kA<br>(440 V AC) 85 kA<br>(500 V AC) 66 kA<br>(525 V AC) 66 kA<br>(690 V AC) 66 kA                                                             |
| Rated Uninterrupted Current ( $I_u$ )                                        | 2500 A                                                                                                                                                                           |
| Rated Voltage ( $U_r$ )                                                      | 690 V                                                                                                                                                                            |
| Recommended Screw Driver                                                     | Main Circuit M12                                                                                                                                                                 |
| Release                                                                      | Ekip Hi-Touch LSI                                                                                                                                                                |
| Release Type                                                                 | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                                              | S                                                                                                                                                                                |
| 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

