



PRODUCT-DETAILS

E2.2H 800 Ekip Dip LSI 4p F HR

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| General Information                         |                                                                                                                                                                                                       |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type                       | E2.2H 800 Ekip Dip LSI 4p F HR                                                                                                                                                                        |
| Product ID                                  | 1SDA071542R1                                                                                                                                                                                          |
| EAN                                         | 8015644753924                                                                                                                                                                                         |
| Catalog Description                         | E2.2H 800 Ekip Dip LSI 4p F HR                                                                                                                                                                        |
| Long Description                            | C.BREAKER SACE EMAX2 E2.2H 800 FIXED FOUR-POLE WITH TERMINALS REAR HORIZONTAL AND SOLID-STATE RELEASE IN AC EKIP/DIP-LSI R 800 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 |
|                                         | 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                      | 1bbdd244-cb8c-4eae-8abe-3a426b753a7f Italy (IT)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Simplified SCIP           | 8d0baa9d-3bd6-4258-9591-74430759924d Germany (DE)<br>9f9fdc24-109f-4aa5-837e-0477b80a3703 Poland (PL)<br>e60b6b50-7a1f-4278-89da-cc8f5e50776a Norway (NO)<br>809423cb-ba48-4f54-be83-a13a42a5fd7e France (FR)<br>5362351e-64b8-48ba-85fc-f4631ed09721 Hungary (HU)<br>f79bfbc2-e398-427b-a0b5-94f81069bee0 Netherlands (NL)<br>b5454d76-bbd3-41ad-bda8-a18a0761739d Finland (FI)<br>b2f9c2f3-0e7f-420e-8fa6-cd7139e02a81 Greece (GR)<br>72711c57-7089-4d45-926e-b6c615e51a39 Germany (DE)<br>bb35eb1b-1330-4125-a05d-f157afc096a0 Germany (DE)<br>8a350103-c6d7-478f-85f2-eefc61f264b5 Croatia (HR)<br>f46ed4fc-2315-46cf-a55e-0ad7774534d3 Poland (PL)<br>35eec3e7-082b-40d8-8cbc-6a30f6e5ce22 Czech Republic (CZ)<br>0092cc7d-9623-4edc-b9f6-afb519127b19 Poland (PL)<br>f6540f39-2c7b-452b-b593-9ad9599a8c6e Portugal (PT)<br>12eccb82-b4ad-4673-b8dd-bc7c5e1981e7 Sweden (SE)<br>85507d3b-516f-4225-b114-d65752430381 Spain (ES)<br>a4aa6de7-c174-4c21-9a6b-c9c80ce1af4a Belgium (BE)<br>b3bdc091-ab5b-4fc5-ae29-00637031637e Hungary (HU)<br>c1223929-84f8-4492-a260-b6d748392ade Denmark (DK)<br>46581cbc-fa45-4c13-9332-755bd514fca5 Belgium (BE)<br>b6f96475-3556-4a3e-b13b-8fb6c7250448 France (FR)<br>51bd65b0-7fde-4181-8ce1-b39ed5a4a177 Bulgaria (BG)<br>200024f5-8998-4fe3-8ac0-3c798f88639b Sweden (SE)<br>50a49c82-bb2c-4a5b-b589-d90785a77ac2 Estonia (EE)<br>52e862fc-1b99-40d0-8ee7-0125b6522d40 Germany (DE)<br>192e2b44-4d24-4293-b4fc-5bf2a746ca16 Germany (DE) |

Ordering

|                          |                      |
|--------------------------|----------------------|
| Order Code US and Canada | ZBHPEFBB000A000000XX |
| EAN                      | 8015644753924        |
| 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            | 8015644753924 |

## Additional Information

|                                                                        |                                                                                                                                                                                        |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current Type                                                           | AC                                                                                                                                                                                     |
| Electrical Durability                                                  | Ue =< 440 V 15000 cycle<br>Ue = 500 ... 690 V 15000 cycle<br>30 cycles per hour                                                                                                        |
| Mechanical Durability                                                  | 25000 cycle<br>60 cycles per hour                                                                                                                                                      |
| Neutral Pole Current ([% I <sub>n</sub> ])                             | 100 %                                                                                                                                                                                  |
| Number of Poles                                                        | 4                                                                                                                                                                                      |
| Power Loss                                                             | 34 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> | 100 %                                                                                                                                                                                  |
| Rated Current (I <sub>n</sub> )                                        | 800 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) 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 Short-time Withstand Current Low Voltage (I <sub>cw</sub> )      | for 1 s 85 kA<br>for 3 s 66 kA                                                                                                                                                         |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )      | (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 <sub>u</sub> )                          | 800 A                                                                                                                                                                                  |
| Recommended Screw Driver                                               | Main Circuit M12                                                                                                                                                                       |
| Release                                                                | Ekip Dip LSI                                                                                                                                                                           |
| Release Type                                                           | EL                                                                                                                                                                                     |
| Short-Circuit Performance Level                                        | H                                                                                                                                                                                      |
| 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

