



PRODUCT-DETAILS

XT2S 160 Ekip Dip LS/I In=100A 4p F F

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| General Information   |                                                                                                                  |
|-----------------------|------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT2S 160 Ekip Dip LS/I In=100A 4p F F                                                                            |
| Product ID            | 1SDA067836R1                                                                                                     |
| EAN                   | 8015644017323                                                                                                    |
| Catalog Description   | XT2S 160 Ekip Dip LS/I In=100A 4p F F                                                                            |
| Long Description      | C.BREAKER TMAX XT2S 160 FIXED FOUR-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC EKIP DIP LS/I R 100 A |

| 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            | 9AKK108468A2349                                                |
| Environmental Product Declaration - EPD           | 9AKK108469A1855<br>9AKK108468A1897                             |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 55.70 % |

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SCIP                                        | 9eb1504a-7a1b-469a-9aea-3db985751c11 Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Simplified SCIP                             | b5d595d6-1257-4b50-92a4-ff8eaf2f8a53 Germany<br>78bf8f35-7905-44e2-828c-ff4d8a630123 Finland<br>8f363337-dcd9-44fd-8990-a47c8aedddd5 Netherlands<br>c4899fe1-7fa7-4597-a162-ab78ce2523ba Germany<br>c0481b7d-5ae4-4869-81b0-5b14582752c4 Netherlands<br>f58445ab-1933-4e1a-b4e1-2df06d3c8131 Netherlands<br>69220fe9-baa2-4f4a-8b7a-b6d376f940b4 Estonia<br>1d386019-ef0a-4bbe-8fe0-4d496c524448 Greece<br>fac32ff8-d970-4b53-8f17-b70e2bd6a823 Portugal<br>f51e105f-7721-4fff-af4a-41c6f8f3d6d5 Denmark<br>bc45ec65-ae2c-44f7-ae1f-5902a7c34e62 Germany<br>341cd88b-ce0f-48df-b92e-6b8cf4ab40b1 Croatia<br>4a2050ae-16e2-45a2-86b2-fa0b6923b28c Czech Republic<br>0cc43524-6de8-45ba-a48c-40ef2e0a44d1 Poland<br>ed92500a-2d5d-4200-9972-907f3fb6ece4 Germany<br>f0c18254-d5d1-4128-bcc9-96be89240a10 Germany<br>95a055a7-0edd-4b44-b135-e2c68a9ca3b4 France<br>5fc5c5ff-3c2a-4243-af4a-054bc8357e9c Netherlands<br>95da6abf-dbb7-4ae4-b19c-f0e32bf86233 Spain<br>c8db6651-c8f9-4361-aaf2-e7b1db0447f7 Netherlands<br>cd02d596-face-4b90-af46-d01b1e87577f Bulgaria<br>58e82de9-91b4-42ee-8e76-d23df4aa040a Sweden<br>c36bb6ee-8731-4a27-b3b9-a4ae587f86ad Poland<br>571835d9-c0ac-4957-ab54-a6984e860ac9 France<br>6d2cebb8-ed94-4b4a-b269-89c8f4ac75fb Sweden<br>01647068-fc96-483a-96a8-616eb5c46cab Poland<br>35506c41-38be-4e1c-8999-e8ab3bd5d390 Norway |

## Environmental

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

## Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT2SE4100EFF000XXX |
| E-Number (Finland)       | 3640591            |
| E-Number (Norway)        | 4309755            |
| E-Number (Sweden)        | 3182037            |
| EAN                      | 8015644017323      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

## Dimensions

|                    |        |
|--------------------|--------|
| Product Net Width  | 120 mm |
| Product Net Height | 130 mm |

|                            |         |
|----------------------------|---------|
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 1.6 kg  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 130 mm        |
| Package Level 1 Height         | 208 mm        |
| Package Level 1 Depth / Length | 145 mm        |
| Package Level 1 Gross Weight   | 2.15 kg       |
| Package Level 1 EAN            | 8015644017323 |

## Additional Information

|                                       |                              |
|---------------------------------------|------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution           |
| Product Main Type                     | SACE Tmax XT                 |
| Product Name                          | Moulded Case Circuit Breaker |
| Product Type                          | Automatic Circuit Breaker    |
| Version                               | F                            |
| CAD Dimensional Drawing               | 1SDH002230A1002              |

## Technical

|                                                                  |                                                                                                                                                              |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connecting Capacity Main Circuit                                 | Busbar 32.5..100 mm <sup>2</sup>                                                                                                                             |
| Current Type                                                     | AC                                                                                                                                                           |
| Electrical Durability                                            | 120 cycles per hour<br>8000 cycle                                                                                                                            |
| Mechanical Durability                                            | 240 cycles per hour<br>25000 cycle                                                                                                                           |
| Number of Poles                                                  | 4P                                                                                                                                                           |
| Opening Time                                                     | CB with SOR 30 ms<br>CB with UVR 30 ms                                                                                                                       |
| Order Multiple                                                   | 1 piece                                                                                                                                                      |
| Power Loss                                                       | at Rated Operating Conditions per Pole 4.2 W                                                                                                                 |
| Rated Current (I <sub>n</sub> )                                  | 100 A                                                                                                                                                        |
| Rated Frequency (f)                                              | 50 / 60 Hz                                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )              | 8 kV                                                                                                                                                         |
| Rated Insulation Voltage (U <sub>i</sub> )                       | 1000 V                                                                                                                                                       |
| Rated Operational Voltage                                        | 690 V AC                                                                                                                                                     |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ) | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(240 V AC) 85 kA<br>(380 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 50 kA<br>(500 V AC) 36 kA<br>(525 V AC) 25 kA |

|                                                             |                                                                                                                                                                                  |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             | (690 V AC) 12 kA                                                                                                                                                                 |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V AC) 85 kA<br>(230 V AC) 85 kA<br>(240 V AC) 85 kA<br>(380 V AC) 50 kA<br>(415 V AC) 50 kA<br>(440 V AC) 50 kA<br>(500 V AC) 36 kA<br>(525 V AC) 25 kA<br>(690 V AC) 12 kA |
| Rated Uninterrupted Current ( $I_u$ )                       | 160 A                                                                                                                                                                            |
| Rated Voltage ( $U_r$ )                                     | 690 V                                                                                                                                                                            |
| Recommended Screw Driver                                    | Main Circuit M6                                                                                                                                                                  |
| Release                                                     | Ekip Dip LS/I                                                                                                                                                                    |
| Release Type                                                | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                             | S                                                                                                                                                                                |
| Standards                                                   | IEC60947-2                                                                                                                                                                       |
| Sub-type                                                    | XT2                                                                                                                                                                              |
| Terminal Connection Type                                    | Front                                                                                                                                                                            |
| Terminal Type                                               | Bolt                                                                                                                                                                             |
| Tightening Torque                                           | 6 N·m                                                                                                                                                                            |

## Certificates and Declarations

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| ATEX Certificate                  | No certification needed           |
| Data Sheet, Technical Information | SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5901                   |
| GL Certificate                    | 1SDL000163R0093                   |
| LR Certificate                    | 1SDL000163R0100                   |
| UL Certificate                    | No certification needed           |
| VDE Certificate                   | No certification needed           |
| Dimension Diagram                 | 1SDH000721R0100                   |
| Mechanical Drawings               | 1SDH000721R0100                   |
| Wiring Diagram                    | 1SDM000068R0001                   |
| Instructions and Manuals          | 1SDH000721R0001                   |

## 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 |
| Object Classification Code | Q                                                                            |
| UNSPSC                     | 39120000                                                                     |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)                   |
| eClass                     | V11.1 : 27370409                                                             |

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## Categories

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Low Voltage Products and Systems → Circuit Breakers → Moulded Case Circuit Breakers → Tmax XT

