



PRODUCT-DETAILS

XT2N 160 Ekip M-I In=52A 3p F F

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General Information

|                       |                                                                                                             |
|-----------------------|-------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT2N 160 Ekip M-I In=52A 3p F F                                                                             |
| Product ID            | 1SDA067088R1                                                                                                |
| EAN                   | 8015644009939                                                                                               |
| Catalog Description   | XT2N 160 Ekip M-I In=52A 3p F F                                                                             |
| Long Description      | C.BREAKER TMAX XT2N 160 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC EKIP-M-I R 52 A |

ABB EcoSolutions

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| ABB EcoSolutions                                  | Yes                                                            |
| ABB Site Meeting Group                            | UL 2799 Zero Waste To Landfill Validation available            |
| Waste To Landfill Target                          |                                                                |
| 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                                                        |

## Environmental

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

## Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT2NE3052KFF000XXX |
| E-Number (Norway)        | 4379497            |
| EAN                      | 8015644009939      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 90 mm   |
| Product Net Height         | 130 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 1.12 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 131 mm        |
| Package Level 1 Height         | 212 mm        |
| Package Level 1 Depth / Length | 147 mm        |
| Package Level 1 Gross Weight   | 1.22 kg       |
| Package Level 1 EAN            | 8015644009939 |

## Additional Information

|                                       |                              |
|---------------------------------------|------------------------------|
| Circuit Breaker Type to be Associated | Motor Protection             |
| Product Main Type                     | SACE Tmax XT                 |
| Product Name                          | Moulded Case Circuit Breaker |
| Product Type                          | Automatic Circuit Breaker    |
| Version                               | F                            |
| CAD Dimensional Drawing               | 1SDH002230A1001              |

## Technical

|                          |                      |
|--------------------------|----------------------|
| Connecting Capacity Main | Busbar 32.5..100 mm² |
|--------------------------|----------------------|

|                                                             |                                                                                                                                                                                  |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circuit                                                     |                                                                                                                                                                                  |
| Current Type                                                | AC                                                                                                                                                                               |
| Electrical Durability                                       | 120 cycles per hour<br>8000 cycle                                                                                                                                                |
| Mechanical Durability                                       | 240 cycles per hour<br>25000 cycle                                                                                                                                               |
| Number of Poles                                             | 3P                                                                                                                                                                               |
| 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 1.7 W                                                                                                                                     |
| Rated Current ( $I_n$ )                                     | 52 A                                                                                                                                                                             |
| Rated Frequency (f)                                         | 50 / 60 Hz                                                                                                                                                                       |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV                                                                                                                                                                             |
| Rated Insulation Voltage ( $U_i$ )                          | 1000 V                                                                                                                                                                           |
| Rated Operational Voltage                                   | 690 V AC                                                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V AC) 65 kA<br>(230 V AC) 65 kA<br>(240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA<br>(500 V AC) 30 kA<br>(525 V AC) 20 kA<br>(690 V AC) 10 kA |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V AC) 65 kA<br>(230 V AC) 65 kA<br>(240 V AC) 65 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 36 kA<br>(500 V AC) 30 kA<br>(525 V AC) 20 kA<br>(690 V AC) 10 kA |
| Rated Uninterrupted Current ( $I_u$ )                       | 160 A                                                                                                                                                                            |
| Rated Voltage ( $U_r$ )                                     | 690 V                                                                                                                                                                            |
| Recommended Screw Driver                                    | Main Circuit M6                                                                                                                                                                  |
| Release                                                     | Ekip M-I                                                                                                                                                                         |
| Release Type                                                | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                             | N                                                                                                                                                                                |
| 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 | 1SDC210100D0206<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 |
|                          | 1SDH000721R0507 |

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                                                             |

Categories

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

