



PRODUCT-DETAILS

XT4S 160 Ekip LS/I In=100A 3p F F

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| General Information   |                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT4S 160 Ekip LS/I In=100A 3p F F                                                                             |
| Product ID            | 1SDA068473R1                                                                                                  |
| EAN                   | 8015644023799                                                                                                 |
| Catalog Description   | XT4S 160 Ekip LS/I In=100A 3p F F                                                                             |
| Long Description      | C.BREAKER TMAX XT4S 160 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC EKIP-LS/I R 100 A |

| ABB EcoSolutions |     |
|------------------|-----|
| ABB EcoSolutions | Yes |

| Circular Value                                |                                                                |
|-----------------------------------------------|----------------------------------------------------------------|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 56.30 % |
| Conflict Minerals Reporting Template          | 9AKK108467A5658                                                |

(CMRT)

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2352                                     |
| 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 | 9AKK108469A1858 |
|                                         | 9AKK108468A1898 |

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 | XT4SE3100EFF000XXX |
| EAN                      | 8015644023799      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 105 mm  |
| Product Net Height         | 160 mm  |
| Product Net Depth / Length | 82.5 mm |
| Product Net Weight         | 2.5 kg  |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 145 mm        |
| Package Level 1 Height         | 210 mm        |
| Package Level 1 Depth / Length | 168 mm        |
| Package Level 1 Gross Weight   | 2.5 kg        |
| Package Level 1 EAN            | 8015644023799 |

Additional Information

|                                       |                    |
|---------------------------------------|--------------------|
| Circuit Breaker Type to be Associated | Power Distribution |
| Connecting Capacity Main Circuit      | Busbar 85..200 mm² |

|                                                                    |                                                                                                                                                                                  |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Current Type                                                       | AC                                                                                                                                                                               |
| Electrical Durability                                              | 120 cycles per hour<br>8000 cycle                                                                                                                                                |
| Mechanical Durability                                              | 240 cycles per hour<br>25000 cycle                                                                                                                                               |
| Number of Poles                                                    | 3                                                                                                                                                                                |
| Opening Time                                                       | CB with SOR 15 ms<br>CB with UVR 15 ms                                                                                                                                           |
| Order Multiple                                                     | 1 piece                                                                                                                                                                          |
| Power Loss                                                         | at Rated Operating Conditions per Pole 3.5 W                                                                                                                                     |
| Product Main Type                                                  | SACE Tmax XT                                                                                                                                                                     |
| Product Name                                                       | Moulded Case Circuit Breaker                                                                                                                                                     |
| Product Type                                                       | Automatic Circuit Breaker                                                                                                                                                        |
| Rated Current ( $I_n$ )                                            | 100 A                                                                                                                                                                            |
| Rated Frequency (f)                                                | 50 / 60 Hz                                                                                                                                                                       |
| Rated Voltage ( $U_r$ )                                            | 690 V                                                                                                                                                                            |
| Rated Impulse<br>Withstand Voltage ( $U_{imp}$ )                   | 8 kV                                                                                                                                                                             |
| Rated Insulation Voltage<br>( $U_i$ )                              | 1000 V                                                                                                                                                                           |
| Rated Operational<br>Voltage                                       | 690 V AC                                                                                                                                                                         |
| Rated Service Short-<br>Circuit Breaking<br>Capacity ( $I_{cs}$ )  | (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 Ultimate Short-<br>Circuit Breaking<br>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<br>Current ( $I_u$ )                           | 160 A                                                                                                                                                                            |
| Recommended Screw<br>Driver                                        | Main Circuit M8                                                                                                                                                                  |
| Release                                                            | Ekip LS/I                                                                                                                                                                        |
| Release Type                                                       | EL                                                                                                                                                                               |
| Short-Circuit<br>Performance Level                                 | S                                                                                                                                                                                |
| Standards                                                          | IEC60947-2                                                                                                                                                                       |
| Sub-type                                                           | XT4                                                                                                                                                                              |
| Terminal Connection<br>Type                                        | Front                                                                                                                                                                            |
| Terminal Type                                                      | Bolt                                                                                                                                                                             |
| Tightening Torque                                                  | 8 N·m                                                                                                                                                                            |
| Version                                                            | F                                                                                                                                                                                |
| CAD Dimensional<br>Drawing                                         | 1SDH002230A1003                                                                                                                                                                  |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| ATEX Certificate                  | No certification needed            |
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK106713A5529                    |
| GL Certificate                    | 1SDL000163R0095                    |
| LR Certificate                    | 1SDL000163R0100                    |
| UL Certificate                    | No certification needed            |
| VDE Certificate                   | No certification needed            |
| Dimension Diagram                 | 1SDH000722R0100                    |
| Mechanical Drawings               | 1SDH000722R0100                    |
| Wiring Diagram                    | 1SDM000068R0001                    |
| Instructions and Manuals          | 1SDH000722R0001                    |

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 |
| 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

