



PRODUCT-DETAILS

XT7S M 1600 Ekip Hi-Touch LSIG 1600 4pFF

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| General Information   |                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT7S M 1600 Ekip Hi-Touch LSIG 1600 4pFF                                                                                                                                           |
| Product ID            | 1SDA101689R1                                                                                                                                                                       |
| EAN                   | 8056221017336                                                                                                                                                                      |
| Catalog Description   | XT7S M 1600 Ekip Hi-Touch LSIG 1600 4pFF                                                                                                                                           |
| Long Description      | C.BREAKER TMAX XT7S 1600 FIXED FOUR-POLE WITH FRONT TERMALS AND STORED ENERGY OPERATING MECHANISM AND LEVER OPERATG MECHANISM AND SOLID-STATE RELEASE AC EKIP HI-TOUCH LSIG R 1600 |

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

| Circular Value                |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Circular Design               | Design for Closing Resource Loops - Standard EN45555 - 64.1 % |
| Principles Recyclability Rate |                                                               |
| Conflict Minerals             | 9AKK108467A5658                                               |

Reporting Template  
(CMRT)

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2358                                     |
| 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 | 9AKK108468A1896<br>9AKK108468A4411 |
|-----------------------------------------|------------------------------------|

Environmental

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| Ambient Air Temperature   | Operation -40 ... 125 °C                                               |
| 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 | XSEMLFAZZAAA00000 |
| EAN                      | 8056221017336     |
| Minimum Order Quantity   | 1 piece           |
| Customs Tariff Number    | 85362090          |

Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 280 mm  |
| Product Net Height         | 268 mm  |
| Product Net Depth / Length | 178 mm  |
| Product Net Weight         | 12.5 kg |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 360 mm        |
| Package Level 1 Height         | 350 mm        |
| Package Level 1 Depth / Length | 360 mm        |
| Package Level 1 Gross Weight   | 14 kg         |
| Package Level 1 EAN            | 8056221017336 |

Additional Information

|                         |                    |
|-------------------------|--------------------|
| Circuit Breaker Type to | Power Distribution |
|-------------------------|--------------------|

|                                                                    |                                                                                                                                                                                  |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| be Associated                                                      |                                                                                                                                                                                  |
| Current Type                                                       | AC                                                                                                                                                                               |
| Electrical Durability                                              | 120 cycles per hour<br>3000 cycle                                                                                                                                                |
| Mechanical Durability                                              | 240 cycles per hour<br>20000 cycle                                                                                                                                               |
| Number of Poles                                                    | 4                                                                                                                                                                                |
| Order Multiple                                                     | 1 piece                                                                                                                                                                          |
| Power Loss                                                         | at Rated Operating Conditions per Pole 94 W                                                                                                                                      |
| Product Main Type                                                  | SACE Tmax XT                                                                                                                                                                     |
| Product Name                                                       | Moulded Case Circuit Breaker                                                                                                                                                     |
| Product Type                                                       | Automatic Circuit Breaker                                                                                                                                                        |
| Rated Current ( $I_n$ )                                            | 1600 A                                                                                                                                                                           |
| 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) 45 kA<br>(525 V AC) 45 kA<br>(690 V AC) 30 kA |
| Rated Short-time<br>Withstand Current Low<br>Voltage ( $I_{cw}$ )  | 20 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) 45 kA<br>(525 V AC) 45 kA<br>(690 V AC) 30 kA |
| Rated Uninterrupted<br>Current ( $I_u$ )                           | 1600 A                                                                                                                                                                           |
| Release                                                            | Ekip Hi-Touch LSIG                                                                                                                                                               |
| Release Type                                                       | EL                                                                                                                                                                               |
| Short-Circuit<br>Performance Level                                 | S                                                                                                                                                                                |
| Standards                                                          | IEC60947-2                                                                                                                                                                       |
| Sub-type                                                           | XT7M                                                                                                                                                                             |
| Terminal Connection<br>Type                                        | Front                                                                                                                                                                            |
| Version                                                            | F                                                                                                                                                                                |
| CAD Dimensional<br>Drawing                                         | 1SDH002065A1437                                                                                                                                                                  |

## Certificates and Declarations

|                                      |                                    |
|--------------------------------------|------------------------------------|
| Data Sheet, Technical<br>Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of<br>Conformity - CE    | 9AKK107046A9648                    |

|                          |                 |
|--------------------------|-----------------|
| Mechanical Drawings      | 1SDH002013A1102 |
| Wiring Diagram           | 1SDM000002A1001 |
| Instructions and Manuals | 1SDH002013A1001 |
|                          | 1SDH002013A1002 |
|                          | 1SDH001821A1001 |

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                                                                            |
| 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

