



PRODUCT-DETAILS

XT7S 1600 Ekip Touch LSIG In1600A 3p F F

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General Information

|                       |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT7S 1600 Ekip Touch LSIG In1600A 3p F F                                                                                                          |
| Product ID            | 1SDA100845R1                                                                                                                                      |
| EAN                   | 8056221008990                                                                                                                                     |
| Catalog Description   | XT7S 1600 Ekip Touch LSIG In1600A 3p F F                                                                                                          |
| Long Description      | C.BREAKER TMAX XT7S 1600 FIXED THREE-POLE WITH FRONT TERMINALS AND LEVER OPERATING MECHANISM AND SOLID-STATE RELEASE IN AC EKIP TOUCH LSIG R 1600 |

ABB EcoSolutions

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

Circular Value

|                                             |                                                               |
|---------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 64.1 % |
| Recyclability Rate                          |                                                               |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                               |

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2357                                     |
| 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 | 9AKK108468A1895<br>9AKK108468A4404 |
|-----------------------------------------|------------------------------------|

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 |
| SCIP                      | dc2e3427-4e1e-4833-b348-27bad3cb1b6b Italy (IT)                        |

Ordering

|                          |                    |
|--------------------------|--------------------|
| Order Code US and Canada | XT7SE316FQFF000XXX |
| EAN                      | 8056221008990      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 210 mm |
| Product Net Height         | 268 mm |
| Product Net Depth / Length | 166 mm |
| Product Net Weight         | 9.7 kg |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 280 mm        |
| Package Level 1 Height         | 350 mm        |
| Package Level 1 Depth / Length | 360 mm        |
| Package Level 1 Gross Weight   | 11.2 kg       |
| Package Level 1 EAN            | 8056221008990 |

Additional Information

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution                 |
| Current Type                          | AC                                 |
| Electrical Durability                 | 120 cycles per hour<br>3000 cycle  |
| Mechanical Durability                 | 240 cycles per hour<br>10000 cycle |
| Number of Poles                       | 3                                  |

|                                                                   |                                                                                                                                                                                  |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 <sub>n</sub> )                                   | 1600 A                                                                                                                                                                           |
| 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) 45 kA<br>(525 V AC) 45 kA<br>(690 V AC) 30 kA |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> ) | 20 kA                                                                                                                                                                            |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</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) 45 kA<br>(525 V AC) 45 kA<br>(690 V AC) 30 kA |
| Rated Uninterrupted Current (I <sub>u</sub> )                     | 1600 A                                                                                                                                                                           |
| Release                                                           | Ekip Touch LSiG                                                                                                                                                                  |
| Release Type                                                      | EL                                                                                                                                                                               |
| Short-Circuit Performance Level                                   | S                                                                                                                                                                                |
| Standards                                                         | IEC60947-2                                                                                                                                                                       |
| Sub-type                                                          | XT7                                                                                                                                                                              |
| Terminal Connection Type                                          | Front                                                                                                                                                                            |
| Version                                                           | F                                                                                                                                                                                |
| CAD Dimensional Drawing                                           | 1SDH002065A1336<br>1SDH002065A1338                                                                                                                                               |

Certificates and Declarations

|                                   |                                                       |
|-----------------------------------|-------------------------------------------------------|
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206                    |
| Declaration of Conformity - CE    | 9AKK107046A9648                                       |
| Mechanical Drawings               | 1SDH002013A1101                                       |
| Wiring Diagram                    | 1SDM000002A1001                                       |
| Instructions and Manuals          | 1SDH002013A1001<br>1SDH002013A1002<br>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)                   |

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## Categories

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

