



PRODUCT-DETAILS

XT6N 800 TMA 630-6300 4p F F InN=100%In

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General Information

|                       |                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | XT6N 800 TMA 630-6300 4p F F InN=100%In                                                                                                                   |
| Product ID            | 1SDA107569R1                                                                                                                                              |
| EAN                   | 8015644102227                                                                                                                                             |
| Catalog Description   | XT6N 800 TMA 630-6300 4p F F InN=100%In                                                                                                                   |
| Long Description      | C.BREAKER TMAX XT6N 800 FIXED FOUR-POLE WITH FRONT TERMINALS AND THERMOMAGNETIC RELEASE FOUR-POLE IN AC-DC TMA R 630 I3=3150...6300 A FULLY RATED NEUTRAL |

ABB EcoSolutions

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

Circular Value

|                                             |                                                             |
|---------------------------------------------|-------------------------------------------------------------|
| Circular Design Principles                  | Design for Closing Resource Loops - Standard EN45555 - 60 % |
| Recyclability Rate                          |                                                             |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                             |

|                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| End of Life Instructions            | 9AKK108468A2355                                     |
| 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 | 9AKK108468A9752<br>9AKK108468A1894 |
|-----------------------------------------|------------------------------------|

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 | XT6NE4630BFF000XXX |
| EAN                      | 8015644102227      |
| Minimum Order Quantity   | 1 piece            |
| Customs Tariff Number    | 85362090           |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 280 mm   |
| Product Net Height         | 268 mm   |
| Product Net Depth / Length | 103.5 mm |
| Product Net Weight         | 12 kg    |

Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 305 mm        |
| Package Level 1 Height         | 285 mm        |
| Package Level 1 Depth / Length | 370 mm        |
| Package Level 1 Gross Weight   | 14 kg         |
| Package Level 1 EAN            | 8015644102227 |

Additional Information

|                                       |                                    |
|---------------------------------------|------------------------------------|
| Circuit Breaker Type to be Associated | Power Distribution                 |
| Configuration Type                    | Loose or configurable              |
| Current Type                          | AC/DC                              |
| Electrical Durability                 | 120 cycles per hour<br>5000 cycle  |
| Mechanical Durability                 | 240 cycles per hour<br>20000 cycle |
| Number of Poles                       | 4                                  |
| Order Multiple                        | 1 piece                            |

|                                                                     |                                                                                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Loss                                                          | 34.4 W                                                                                                                                                                                                                                                                                             |
| Product Main Type                                                   | SACE Tmax XT                                                                                                                                                                                                                                                                                       |
| Product Name                                                        | Moulded Case Circuit Breaker                                                                                                                                                                                                                                                                       |
| Product Type                                                        | Automatic Circuit Breaker                                                                                                                                                                                                                                                                          |
| Rated Current (I <sub>n</sub> )                                     | 630 A                                                                                                                                                                                                                                                                                              |
| Rated Frequency (f)                                                 | 50/60 Hz                                                                                                                                                                                                                                                                                           |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )                 | 8 kV                                                                                                                                                                                                                                                                                               |
| Rated Instantaneous Short-Circuit Current Setting (I <sub>f</sub> ) | 3150..6300 A                                                                                                                                                                                                                                                                                       |
| Rated Insulation Voltage (U <sub>i</sub> )                          | 1000 V                                                                                                                                                                                                                                                                                             |
| Rated Operational Voltage                                           | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                                               |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )    | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(240 V AC) 70 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(525 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 18 kA<br>(500 V DC) 2 Poles in Series 10 kA<br>(750 V DC) 3 Poles in Series 8 kA  |
| Rated Short-time Withstand Current Low Voltage (I <sub>cw</sub> )   | 10 kA                                                                                                                                                                                                                                                                                              |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> )   | (220 V AC) 70 kA<br>(230 V AC) 70 kA<br>(240 V AC) 70 kA<br>(380 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(525 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(500 V DC) 2 Poles in Series 20 kA<br>(750 V DC) 3 Poles in Series 18 kA |
| Rated Uninterrupted Current (I <sub>u</sub> )                       | 800 A                                                                                                                                                                                                                                                                                              |
| Release                                                             | TMA                                                                                                                                                                                                                                                                                                |
| Release Type                                                        | TM                                                                                                                                                                                                                                                                                                 |
| Setting Range                                                       | 441...630 A                                                                                                                                                                                                                                                                                        |
| Short-Circuit Performance Level                                     | N                                                                                                                                                                                                                                                                                                  |
| Standards                                                           | IEC60947-2                                                                                                                                                                                                                                                                                         |
| Sub-type                                                            | XT6                                                                                                                                                                                                                                                                                                |
| Suitable for Product Class                                          | SACE Tmax XT                                                                                                                                                                                                                                                                                       |
| Terminal Connection Type                                            | Front                                                                                                                                                                                                                                                                                              |
| Version                                                             | F                                                                                                                                                                                                                                                                                                  |
| CAD Dimensional Drawing                                             | 1SDH002065A1214<br>1SDH002065A1245                                                                                                                                                                                                                                                                 |

Certificates and Declarations

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 1SDC210100D0206<br>1SDC210099D0206 |
| Declaration of Conformity - CE    | 9AKK107680A2825                    |
| Mechanical Drawings               | 1SDH002012A1101                    |
| Wiring Diagram                    | 1SDM000005A1001                    |
| Instructions and Manuals          | 1SDH002012A1001                    |

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 |
| 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

