



PRODUCT-DETAILS

T5L 630 PR221DS-LS/I In=630 4p F F

T5L 630 PR221DS-LS/I In=630 4p F F



| General Information   |                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T5L 630 PR221DS-LS/I In=630 4p F F                                                                           |
| Product ID            | 1SDA054424R1                                                                                                 |
| EAN                   | 8015644555283                                                                                                |
| Catalog Description   | T5L 630 PR221DS-LS/I In=630 4p F F                                                                           |
| Long Description      | C.BREAKER TMAX T5L 630 FIXED FOUR-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR221DS-LS/I R 630 |

| ABB EcoSolutions                        |                       |
|-----------------------------------------|-----------------------|
| Environmental Product Declaration - EPD | No declaration needed |

| 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<br>Reporting Template<br>(CMRT) | 9AKK108467A5658                            |
| Toxic Substances<br>Control Act - TSCA            | 9AKK108467A8326                            |
| SCIP                                              | 4e71d6c7-05ce-478e-91d5-a0551217d77b China |

### Environmental

|                              |                                   |
|------------------------------|-----------------------------------|
| Environmental<br>Information | 9AKK10103A1056<br>9AKK108467A6707 |
|------------------------------|-----------------------------------|

### Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 3655347       |
| EAN                    | 8015644555283 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

### Dimensions

|                               |          |
|-------------------------------|----------|
| Product Net Width             | 186 mm   |
| Product Net Height            | 205 mm   |
| Product Net Depth /<br>Length | 103.5 mm |
| Product Net Weight            | 6.082 kg |

### Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | 1 piece       |
| Package Level 1 Width             | 248 mm        |
| Package Level 1 Height            | 240 mm        |
| Package Level 1 Depth /<br>Length | 285 mm        |
| Package Level 1 Gross<br>Weight   | 6.2 kg        |
| Package Level 1 EAN               | 8015644555283 |

### Additional Information

|                               |                               |
|-------------------------------|-------------------------------|
| Product Main Type             | SACE Tmax T                   |
| Product Name                  | Moulded Case Circuit Breaker  |
| Product Type                  | Automatic Circuit Breaker     |
| Suitable For                  | T5                            |
| Suitable for Product<br>Class | Moulded Case Circuit Breakers |
| Version                       | F                             |

### Technical

|                       |                                  |
|-----------------------|----------------------------------|
| Electrical Durability | 5000 cycle<br>60 cycles per hour |
| Mechanical Durability | 20000 cycle                      |

|                                                                    |                                                                                                                                                                    |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                    | 120 cycles per hour                                                                                                                                                |
| Number of Poles                                                    | 4P                                                                                                                                                                 |
| Power Loss                                                         | at Rated Operating Conditions per Pole 41 W                                                                                                                        |
| Rated Current ( $I_n$ )                                            | 630 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) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 120 kA<br>(400 V AC) 120 kA<br>(415 V AC) 120 kA<br>(440 V AC) 100 kA<br>(500 V AC) 70 kA<br>(690 V AC) 35 kA |
| Rated Ultimate Short-<br>Circuit Breaking<br>Capacity ( $I_{cu}$ ) | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 120 kA<br>(400 V AC) 120 kA<br>(415 V AC) 120 kA<br>(440 V AC) 100 kA<br>(500 V AC) 85 kA<br>(690 V AC) 70 kA |
| Rated Uninterrupted<br>Current ( $I_u$ )                           | 630 A                                                                                                                                                              |
| Release                                                            | PR221DS-LS/I                                                                                                                                                       |
| Release Type                                                       | EL                                                                                                                                                                 |
| Short-Circuit<br>Performance Level                                 | L                                                                                                                                                                  |
| Standards                                                          | IEC                                                                                                                                                                |
| Sub-type                                                           | T5                                                                                                                                                                 |
| Terminal Connection<br>Type                                        | Fixed Circuit-Breakers<br>Front                                                                                                                                    |
| Test Voltage Max ( $U_{test}$ )                                    | 3500 V                                                                                                                                                             |
| Test Voltage at Industrial<br>Frequency for 1 Minute               | 3500 V                                                                                                                                                             |

## Certificates and Declarations

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 1SDC210004D0203 |
| Declaration of<br>Conformity - CE    | 9AKK106713A5539 |
| GL Certificate                       | 1SDL000163R0062 |
| Instructions and<br>Manuals          | 1SDH000437R0001 |
| Instructions and<br>Manuals (Part 2) | ITSCE-RH0100001 |

## External Classifications and Standards

|                       |                                                                                 |
|-----------------------|---------------------------------------------------------------------------------|
| ETIM 8                | EC000228 - Power circuit-breaker for trafo/generator/installation<br>protection |
| ETIM 9                | EC000228 - Power circuit-breaker for trafo/generator/installation<br>protection |
| Object Classification | Q                                                                               |

|               |                                                            |                  |
|---------------|------------------------------------------------------------|------------------|
| Code          |                                                            |                  |
| UNSPSC        |                                                            | 39121100         |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |                  |
| eClass        |                                                            | V11.1 : 27370409 |

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## Categories

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

