

# T5N 630 PR221DS-I In=630 3p F F



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

## General Information

|                        |                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | T5N 630 PR221DS-I In=630 3p F F                                                                            |
| Product ID:            | 1SDA054397R1                                                                                               |
| EAN:                   | 8015644554958                                                                                              |
| Catalog Description:   | T5N 630 PR221DS-I In=630 3p F F                                                                            |
| Long Description:      | C.BREAKER TMAX T5N 630 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR221DS-I R 630 |

## Additional Information

|                                                      |                                                                         |
|------------------------------------------------------|-------------------------------------------------------------------------|
| ABB Industrial IT Suite:                             | Protect IT                                                              |
| Country of Origin:                                   | Italy (IT)                                                              |
| Customs Tariff Number:                               | 85362090                                                                |
| Data Sheet, Technical Information:                   | 1SDC210004D0203                                                         |
| Declaration of Conformity - CE:                      | 1SDL000165R0005                                                         |
| EAN:                                                 | 8015644554958                                                           |
| ETIM 4:                                              | EC000228 - Power circuit-breaker for trafo/generator/installation prot. |
| ETIM 5:                                              | EC000228 - Power circuit-breaker for trafo/generator/installation prot. |
| ETIM 6:                                              | EC000228 - Power circuit-breaker for trafo/generator/installation prot. |
| Electrical Durability:                               | 5000 cycle<br>60 cycles per hour                                        |
| Environmental Information:                           | 1SDL000143R0                                                            |
| IIT Publishing Status:                               | Level 0 - Information enabled                                           |
| Industrial IT Certification Level:                   | 0                                                                       |
| Instructions and Manuals:                            | 1SDH000437R0001                                                         |
| Instructions and Manuals (Part 2):                   | ITSCE-RH0100001                                                         |
| Invoice Description:                                 | T5N 630 PR221DS-I In=630 3p F F                                         |
| Mechanical Durability:                               | 20000 cycle<br>120 cycles per hour                                      |
| Minimum Order Quantity:                              | 1 piece                                                                 |
| Number of Poles:                                     | 3                                                                       |
| Object Classification Code:                          | Q                                                                       |
| Package Level 1 EAN:                                 | 8015644554958                                                           |
| Package Level 1 Gross Weight:                        | 5.1 kg                                                                  |
| Package Level 1 Height:                              | 240 mm                                                                  |
| Package Level 1 Length:                              | 285 mm                                                                  |
| Package Level 1 Units:                               | 1 piece                                                                 |
| Package Level 1 Width:                               | 248 mm                                                                  |
| Power Loss:                                          | at Rated Operating Conditions per Pole 41 W                             |
| Product Main Type:                                   | SACE Tmax T                                                             |
| Product Name:                                        | Moulded Case Circuit Breaker                                            |
| Product Net Depth:                                   | 103.5 mm                                                                |
| Product Net Height:                                  | 205 mm                                                                  |
| Product Net Weight:                                  | 5.1 kg                                                                  |
| Product Net Width:                                   | 140 mm                                                                  |
| Product Type:                                        | CB                                                                      |
| Rated Current (I <sub>n</sub> ):                     | Main Circuit 630 A                                                      |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | 80 kV                                                                   |

|                                                                    |                                                                                                                                                                                                                                                                              |
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| Rated impulse withstand voltage (U <sub>imp</sub> ):               | 0 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) 70 kA<br>(230 V AC) 70 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA                                                                                                                 |
| Rated Short-time Withstand Current (I <sub>cw</sub> ):             | for 1 s 5 A                                                                                                                                                                                                                                                                  |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ): | (220 V AC) 7 kA<br>(230 V AC) 7 kA<br>(380 V AC) 36 kA<br>(400 V AC) 36 kA<br>(415 V AC) 36 kA<br>(440 V AC) 30 kA<br>(500 V AC) 25 kA<br>(690 V AC) 20 kA<br>(250 V DC) 2 Poles in Series 36 kA<br>(250 V DC) 3 Poles in Series 25 kA<br>(500 V DC) 3 Poles in Series 16 kA |
| Rated Uninterrupted Current (I <sub>u</sub> ):                     | 630 A                                                                                                                                                                                                                                                                        |
| Release:                                                           | PR221DS-I                                                                                                                                                                                                                                                                    |
| Release Type:                                                      | EL                                                                                                                                                                                                                                                                           |
| RoHS Information:                                                  | 1SDL000200R0001                                                                                                                                                                                                                                                              |
| RoHS Status:                                                       | Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2007-01-01                                                                                                                                                                                     |
| Selling Unit of Measure:                                           | piece                                                                                                                                                                                                                                                                        |
| Short Description:                                                 | T5N 630 PR221DS-I In=630 3p F F                                                                                                                                                                                                                                              |
| Short-Circuit Performance Level:                                   | N                                                                                                                                                                                                                                                                            |
| Size:                                                              | T5N                                                                                                                                                                                                                                                                          |
| Standards:                                                         | IEC 60947                                                                                                                                                                                                                                                                    |
| Sub-type:                                                          | T5                                                                                                                                                                                                                                                                           |
| Suitable For:                                                      | T5                                                                                                                                                                                                                                                                           |
| Suitable for Product Class:                                        | Moulded Case Circuit Breakers                                                                                                                                                                                                                                                |
| Terminal Connection Type:                                          | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                              |
| Test Voltage Max (U <sub>test</sub> ):                             | 3500 V                                                                                                                                                                                                                                                                       |
| Test Voltage at Industrial Frequency for 1 Minute:                 | 3500 V                                                                                                                                                                                                                                                                       |
| UNSPSC:                                                            | 39121100                                                                                                                                                                                                                                                                     |
| Version:                                                           | F                                                                                                                                                                                                                                                                            |

