

## PRODUCT-DETAILS

# T4N 250 PR221DS-I In=160 3p F F

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### General Information

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T4N 250 PR221DS-I In=160 3p F F                                                                            |
| Product ID            | 1SDA054001R1                                                                                               |
| EAN                   | 8015644550677                                                                                              |
| Catalog Description   | T4N 250 PR221DS-I In=160 3p F F                                                                            |
| Long Description      | C.BREAKER TMAX T4N 250 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR221DS-I R 160 |

### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644550677 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

### Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 105 mm   |
| Product Net Height         | 205 mm   |
| Product Net Depth / Length | 103.5 mm |
| Product Net Weight         | 3.5 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 / Length | 285 mm        |
| Package Level 1 Gross Weight   | 3.5 kg        |
| Package Level 1 EAN            | 8015644550677 |

## Additional Information

|                                                             |                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability                                       | 8000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                            |
| Mechanical Durability                                       | 20000 cycle<br>240 cycles per hour                                                                                                                                                                                                                                           |
| Number of Poles                                             | 3                                                                                                                                                                                                                                                                            |
| Power Loss                                                  | at Rated Operating Conditions per Pole 4.4 W                                                                                                                                                                                                                                 |
| Product Main Type                                           | SACE Tmax T                                                                                                                                                                                                                                                                  |
| Product Name                                                | Moulded Case Circuit Breaker                                                                                                                                                                                                                                                 |
| Product Type                                                | CB                                                                                                                                                                                                                                                                           |
| Rated Current ( $I_n$ )                                     | 160 A                                                                                                                                                                                                                                                                        |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV                                                                                                                                                                                                                                                                         |
| Rated Insulation Voltage ( $U_i$ )                          | 1000 V                                                                                                                                                                                                                                                                       |
| Rated Operational Voltage                                   | 690 V AC<br>750 V DC                                                                                                                                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (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 Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (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 ( $I_u$ )                       | 250 A                                                                                                                                                                                                                                                                        |
| Release                                                     | PR221DS-I                                                                                                                                                                                                                                                                    |
| Release Type                                                | EL                                                                                                                                                                                                                                                                           |
| Short-Circuit Performance Level                             | N                                                                                                                                                                                                                                                                            |
| Standards                                                   | IEC 60947                                                                                                                                                                                                                                                                    |
| Sub-type                                                    | T4                                                                                                                                                                                                                                                                           |
| Suitable For                                                | T4                                                                                                                                                                                                                                                                           |
| Suitable for Product Class                                  | Moulded Case Circuit Breakers                                                                                                                                                                                                                                                |
| Terminal Connection Type                                    | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                              |
| Test Voltage Max ( $U_{test}$ )                             | 3500 V                                                                                                                                                                                                                                                                       |
| Test Voltage at Industrial Frequency for 1 Minute           | 3500 V                                                                                                                                                                                                                                                                       |
| Version                                                     | F                                                                                                                                                                                                                                                                            |

## Certificates and Declarations (Document Number)

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210004D0203 |
| Declaration of Conformity - CE    | 1SDL000165R0004 |
| Environmental Information         | 1SDL000143R0    |
| Instructions and Manuals          | 1SDH000436R0001 |
| Instructions and Manuals (Part 2) | ITSCE-RH0100001 |
| RoHS Information                  | 1SDL000200R0001 |

## Classifications

|                            |                                                                         |
|----------------------------|-------------------------------------------------------------------------|
| 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. |
| Object Classification Code | Q                                                                       |
| UNSPSC                     | 39121100                                                                |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm)              |

## Categories

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

