

## PRODUCT-DETAILS

# T6H 800 PR221DS-I In=800 4p F F

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## General Information

|                       |                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Extended Product Type | T6H 800 PR221DS-I In=800 4p F F                                                                           |
| Product ID            | 1SDA060295R1                                                                                              |
| EAN                   | 8015644627614                                                                                             |
| Catalog Description   | T6H 800 PR221DS-I In=800 4p F F                                                                           |
| Long Description      | C.BREAKER TMAX T6H 800 FIXED FOUR-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR221DS-I R 800 |

## Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 8015644627614 |
| 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          | 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            | 8015644627614 |

## Additional Information

|                                                             |                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability                                       | 5000 cycle<br>60 cycles per hour                                                                                                                                                                                                                                                 |
| Mechanical Durability                                       | 20000 cycle<br>120 cycles per hour                                                                                                                                                                                                                                               |
| Number of Poles                                             | 4                                                                                                                                                                                                                                                                                |
| Power Loss                                                  | at Rated Operating Conditions per Pole 32 W                                                                                                                                                                                                                                      |
| Product Main Type                                           | SACE Tmax T                                                                                                                                                                                                                                                                      |
| Product Name                                                | Moulded Case Circuit Breaker                                                                                                                                                                                                                                                     |
| Product Type                                                | CB                                                                                                                                                                                                                                                                               |
| Rated Current ( $I_n$ )                                     | Main Circuit 800 A                                                                                                                                                                                                                                                               |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )               | 8 kV                                                                                                                                                                                                                                                                             |
| Rated Insulation Voltage ( $U_i$ )                          | 1000 V                                                                                                                                                                                                                                                                           |
| Rated Operational Voltage                                   | 690 V AC                                                                                                                                                                                                                                                                         |
| Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )  | (220 V AC) 100 kA<br>(230 V AC) 100 kA<br>(380 V AC) 70 kA<br>(400 V AC) 70 kA<br>(415 V AC) 70 kA<br>(440 V AC) 50 kA<br>(500 V AC) 50 kA<br>(690 V AC) 19 kA                                                                                                                   |
| Rated Short-time Withstand Current ( $I_{cw}$ )             | for 1 s 10 kA                                                                                                                                                                                                                                                                    |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V AC) 100 kA<br>(230 V AC) 100 kA<br>(380 V AC) 70 kA<br>(400 V AC) 70 kA<br>(415 V AC) 70 kA<br>(440 V AC) 50 kA<br>(500 V AC) 50 kA<br>(690 V AC) 25 kA<br>(250 V DC) 2 Poles in Series 70 kA<br>(500 V DC) 2 Poles in Series 50 kA<br>(750 V DC) 3 Poles in Series 36 kA |
| Rated Uninterrupted Current ( $I_u$ )                       | 800 A                                                                                                                                                                                                                                                                            |
| Release                                                     | PR221DS-I                                                                                                                                                                                                                                                                        |
| Release Type                                                | EL                                                                                                                                                                                                                                                                               |
| Short-Circuit Performance Level                             | H                                                                                                                                                                                                                                                                                |
| Standards                                                   | IEC                                                                                                                                                                                                                                                                              |
| Sub-type                                                    | T6                                                                                                                                                                                                                                                                               |
| Suitable For                                                | T6                                                                                                                                                                                                                                                                               |
| Suitable for Product Class                                  | Moulded Case Circuit Breakers                                                                                                                                                                                                                                                    |
| Terminal Connection Type                                    | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                                  |
| Test Voltage Max ( $U_{test}$ )                             | 3500 V                                                                                                                                                                                                                                                                           |
| Version                                                     | F                                                                                                                                                                                                                                                                                |

| Certificates and Declarations (Document Number) |                 |
|-------------------------------------------------|-----------------|
| Data Sheet, Technical Information               | 1SDC210015D0201 |
| Declaration of Conformity - CE                  | 1SDL000165R0006 |
| Environmental Information                       | 1SDL000143R0    |
| Instructions and Manuals                        | 1SDH000511R0001 |

| 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.      |
| ETIM 7                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| 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

