

# T6N 800 PR222DS/P-LSIG In=800 3p F F



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

## General Information

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Extended Product Type: | T6N 800 PR222DS/P-LSIG In=800 3p F F                                                                            |
| Product ID:            | 1SDA060271R1                                                                                                    |
| EAN:                   | 8015644627331                                                                                                   |
| Catalog Description:   | T6N 800 PR222DS/P-LSIG In=800 3p F F                                                                            |
| Long Description:      | C.BREAKER TMAX T6N 800 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR222DS/P-LSIG R 800 |

## Additional Information

|                                    |                                                                         |
|------------------------------------|-------------------------------------------------------------------------|
| ABB Industrial IT Suite:           | Protect IT                                                              |
| Country of Origin:                 | Italy (IT)                                                              |
| Customs Tariff Number:             | 85362090                                                                |
| Data Sheet, Technical Information: | 1SDC210015D0201                                                         |
| Declaration of Conformity - CE:    | 1SDL000165R0006                                                         |
| EAN:                               | 8015644627331                                                           |
| 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                                                            |
| GL Certificate:                    | 1SDL000163R0057                                                         |
| Industrial IT Certification Level: | 1                                                                       |
| Instructions and Manuals:          | 1SDH000511R0001                                                         |
| Invoice Description:               | T6N 800 PR222DS/P-LSIG In=800 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:               | 8015644627331                                                           |
| Package Level 1 Gross Weight:      | 11 kg                                                                   |
| Package Level 1 Height:            | 285 mm                                                                  |
| Package Level 1 Length:            | 370 mm                                                                  |
| Package Level 1 Units:             | 1 piece                                                                 |
| Package Level 1 Width:             | 305 mm                                                                  |
| Power Loss:                        | at Rated Operating Conditions per Pole 32 W                             |
| Product Main Type:                 | SACE Tmax T                                                             |
| Product Name:                      | Moulded Case Circuit Breaker                                            |
| Product Net Depth:                 | 103.5 mm                                                                |
| Product Net Height:                | 268 mm                                                                  |
| Product Net Weight:                | 9.5 kg                                                                  |
| Product Net Width:                 | 210 mm                                                                  |
| Product Type:                      | CB                                                                      |
| Rated Current (I <sub>n</sub> ):   | Main Circuit 800 A                                                      |

|                                                                              |                                                                                                                                                                                                                                                                              |
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| <b>Rated impulse withstand voltage (<math>U_{imp}</math>):</b>               | 8 kV                                                                                                                                                                                                                                                                         |
| <b>Rated Insulation Voltage (<math>U_i</math>):</b>                          | 1000 V                                                                                                                                                                                                                                                                       |
| <b>Rated Operational Voltage:</b>                                            | 690 V AC                                                                                                                                                                                                                                                                     |
| <b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>  | (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) 15 kA                                                                                                                 |
| <b>Rated Short-time Withstand Current (<math>I_{cw}</math>):</b>             | for 1 s 10 A                                                                                                                                                                                                                                                                 |
| <b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b> | (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>(500 V DC) 2 Poles in Series 25 kA<br>(750 V DC) 3 Poles in Series 16 kA |
| <b>Rated Uninterrupted Current (<math>I_u</math>):</b>                       | 800 A                                                                                                                                                                                                                                                                        |
| <b>Release:</b>                                                              | PR222DS/P-LSIG                                                                                                                                                                                                                                                               |
| <b>Release Type:</b>                                                         | EL                                                                                                                                                                                                                                                                           |
| <b>Selling Unit of Measure:</b>                                              | piece                                                                                                                                                                                                                                                                        |
| <b>Short Description:</b>                                                    | T6N 800 PR222DS/P-LSIG In=800 3p F F                                                                                                                                                                                                                                         |
| <b>Short-Circuit Performance Level:</b>                                      | N                                                                                                                                                                                                                                                                            |
| <b>Size:</b>                                                                 | T6N                                                                                                                                                                                                                                                                          |
| <b>Standards:</b>                                                            | IEC 60947                                                                                                                                                                                                                                                                    |
| <b>Sub-type:</b>                                                             | T6                                                                                                                                                                                                                                                                           |
| <b>Suitable For:</b>                                                         | T6                                                                                                                                                                                                                                                                           |
| <b>Suitable for Product Class:</b>                                           | Moulded Case Circuit Breakers                                                                                                                                                                                                                                                |
| <b>Terminal Connection Type:</b>                                             | Fixed Circuit-Breakers<br>Front                                                                                                                                                                                                                                              |
| <b>Test Voltage Max (<math>U_{test}</math>):</b>                             | 3500 V                                                                                                                                                                                                                                                                       |
| <b>UNSPSC:</b>                                                               | 39121100                                                                                                                                                                                                                                                                     |
| <b>Version:</b>                                                              | F                                                                                                                                                                                                                                                                            |

