



PRODUCT-DETAILS

T4V 250 PR221DS-I In=100 3p F F

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| General Information   |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T4V 250 PR221DS-I In=100 3p F F                                                                            |
| Product ID            | 1SDA054096R1                                                                                               |
| EAN                   | 8015644551889                                                                                              |
| Catalog Description   | T4V 250 PR221DS-I In=100 3p F F                                                                            |
| Long Description      | C.BREAKER TMAX T4V 250 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR221DS-I R 100 |

| 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 Reporting Template (CMRT) | Document availability on demand                                        |
| Toxic Substances Control Act - TSCA         | 9AKK108467A8326                                                        |

## Environmental

|                           |                |
|---------------------------|----------------|
| Environmental Information | 9AKK10103A1057 |
|---------------------------|----------------|

## Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 3655523       |
| EAN                    | 8015644551889 |
| 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            | 8015644551889 |

## Additional Information

|                            |                               |
|----------------------------|-------------------------------|
| Product Main Type          | SACE Tmax T                   |
| Product Name               | Moulded Case Circuit Breaker  |
| Product Type               | Automatic Circuit Breaker     |
| Suitable For               | T4                            |
| Suitable for Product Class | Moulded Case Circuit Breakers |
| Version                    | F                             |

## Technical

|                                                     |                                              |
|-----------------------------------------------------|----------------------------------------------|
| Electrical Durability                               | 8000 cycle<br>120 cycles per hour            |
| Mechanical Durability                               | 20000 cycle<br>240 cycles per hour           |
| Number of Poles                                     | 3P                                           |
| Power Loss                                          | at Rated Operating Conditions per Pole 1.7 W |
| Rated Current (I <sub>n</sub> )                     | 100 A                                        |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | 8 kV                                         |
| Rated Insulation Voltage                            | 1000 V                                       |

(U<sub>i</sub>)

|                           |          |
|---------------------------|----------|
| Rated Operational Voltage | 690 V AC |
|---------------------------|----------|

|                                                                  |                   |
|------------------------------------------------------------------|-------------------|
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ) | (220 V AC) 200 kA |
|                                                                  | (230 V AC) 200 kA |
|                                                                  | (380 V AC) 200 kA |
|                                                                  | (400 V AC) 200 kA |
|                                                                  | (415 V AC) 200 kA |
|                                                                  | (440 V AC) 180 kA |
|                                                                  | (500 V AC) 150 kA |
|                                                                  | (690 V) 150 kA    |

|                                                                   |                   |
|-------------------------------------------------------------------|-------------------|
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (220 V AC) 200 kA |
|                                                                   | (230 V AC) 200 kA |
|                                                                   | (380 V AC) 200 kA |
|                                                                   | (400 V AC) 200 kA |
|                                                                   | (415 V AC) 200 kA |
|                                                                   | (440 V AC) 180 kA |
|                                                                   | (500 V AC) 150 kA |
|                                                                   | (690 V AC) 80 kA  |

|                                               |       |
|-----------------------------------------------|-------|
| Rated Uninterrupted Current (I <sub>u</sub> ) | 250 A |
|-----------------------------------------------|-------|

|         |           |
|---------|-----------|
| Release | PR221DS-I |
|---------|-----------|

|              |    |
|--------------|----|
| Release Type | EL |
|--------------|----|

|                                 |   |
|---------------------------------|---|
| Short-Circuit Performance Level | V |
|---------------------------------|---|

|           |     |
|-----------|-----|
| Standards | IEC |
|-----------|-----|

|          |    |
|----------|----|
| Sub-type | T4 |
|----------|----|

|                          |                                 |
|--------------------------|---------------------------------|
| 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 |
|---------------------------------------------------|--------|

## Certificates and Declarations

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210004D0203 |
| Declaration of Conformity - CE    | 9AKK106713A5540 |
| GL Certificate                    | 1SDL000163R0061 |
| Instructions and Manuals          | 1SDH000436R0001 |
| Instructions and Manuals (Part 2) | ITSCE-RH0100001 |

## External Classifications and Standards

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| ETIM 8                     | 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)                   |
| 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

