



PRODUCT-DETAILS

T5V 400 PR222DS/P-LSI In=400 3p F F

T5V 400 PR222DS/P-LSI In=400 3p F F



| General Information   |                                                                                                                |
|-----------------------|----------------------------------------------------------------------------------------------------------------|
| Extended Product Type | T5V 400 PR222DS/P-LSI In=400 3p F F                                                                            |
| Product ID            | 1SDA054385R1                                                                                                   |
| EAN                   | 8015644554835                                                                                                  |
| Catalog Description   | T5V 400 PR222DS/P-LSI In=400 3p F F                                                                            |
| Long Description      | C.BREAKER TMAX T5V 400 FIXED THREE-POLE WITH FRONT TERMINALS AND SOLID-STATE RELEASE IN AC PR222DS/P-LSI R 400 |

| ABB EcoSolutions                        |                       |
|-----------------------------------------|-----------------------|
| Environmental Product Declaration - EPD | No declaration needed |

| 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<br>Reporting Template<br>(CMRT) | 9AKK108467A5658                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Toxic Substances<br>Control Act - TSCA            | 9AKK108467A8326                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| SCIP                                              | 2b51be0d-26db-4ddc-8a70-a96f3142570e China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Simplified SCIP                                   | 2683fa5c-7de4-421b-b9f9-4de52bf908f8 Croatia<br>390886c7-89b5-46a3-b1f3-3d77cf6a622b Hungary<br>48859fe0-4cdf-4b92-842d-2beaa707d0fa Germany<br>cb74eba9-770c-48c7-95d9-8be7a944f11f Poland<br>407ffd29-82f2-4884-8fdf-fd1c42181278 Czech Republic<br>ce8de3d6-cfd3-465c-8e1f-2cace13ada5e Norway<br>174e7746-27a5-4e70-bafa-e402608879cf Finland<br>dd95bb3f-0d8c-4d70-a9d4-eb36975d3dd2 Belgium<br>e5035701-dda9-4489-ae14-512775fd4136 Germany<br>3cb5a959-2035-43c9-b931-38642cd253f6 Denmark<br>55159678-7791-43f9-afef-008c746f29f7 Germany<br>6542536d-3e5a-45c5-b45b-cf92c3f8dde8 Poland<br>717818dc-8657-4987-9660-e3b662f399a2 Netherlands<br>e6e41d65-bc31-4124-943e-a0a41d022a68 Hungary<br>a6112049-6107-461c-a9d1-cf30199655ad Estonia<br>e258ec3f-1512-45ee-8dfe-5a0993d223a1 Belgium<br>850b873d-a3b8-4a25-9281-a055533b2f22 France<br>16775f03-99c9-487c-a065-daf912a8566e Spain<br>a21d03bf-fb3c-4671-a7da-763be6cfbc75 Germany<br>90b5b7b9-a1e1-4966-bcb7-c806224df60e Sweden<br>e2d7eab7-0753-42d9-ad89-99054f3119aa Bulgaria<br>e189f7f5-091c-4854-b22f-f74679537e7f Sweden<br>85fc85d0-a25b-44b9-a05f-ebfe8d3fff7a Greece<br>34c283c2-0343-4226-9846-9a76d5190f10 Portugal<br>5e699d98-f323-41c8-8d46-aad3ae84b9fb Germany<br>e5a01c48-01c8-4ace-9d80-637391e7f0d5 Poland<br>7f68a5b8-a5ac-495c-81b0-0351e6023ea8 France |

## Environmental

|                              |                 |
|------------------------------|-----------------|
| Environmental<br>Information | 9AKK10103A1056  |
|                              | 9AKK108467A6707 |

## Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 3655364       |
| EAN                    | 8015644554835 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85362090      |

## Dimensions

|                               |          |
|-------------------------------|----------|
| Product Net Width             | 140 mm   |
| Product Net Height            | 205 mm   |
| Product Net Depth /<br>Length | 103.5 mm |
| Product Net Weight            | 5.1 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   | 5.1 kg        |
| Package Level 1 EAN            | 8015644554835 |

## Additional Information

|                            |                               |
|----------------------------|-------------------------------|
| Product Main Type          | SACE Tmax T                   |
| Product Name               | Moulded Case Circuit Breaker  |
| Product Type               | Automatic Circuit Breaker     |
| Suitable For               | T5                            |
| Suitable for Product Class | Moulded Case Circuit Breakers |
| Version                    | F                             |

## Technical

|                                                             |                                                                                                                                                                     |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Durability                                       | 7000 cycle<br>60 cycles per hour                                                                                                                                    |
| Mechanical Durability                                       | 20000 cycle<br>120 cycles per hour                                                                                                                                  |
| Number of Poles                                             | 3P                                                                                                                                                                  |
| Power Loss                                                  | at Rated Operating Conditions per Pole 16.5 W                                                                                                                       |
| Rated Current ( $I_n$ )                                     | 400 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) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Short-time Withstand Current Low Voltage ( $I_{cw}$ ) | for 1 s 5 kA                                                                                                                                                        |
| Rated Ultimate Short-Circuit Breaking Capacity ( $I_{cu}$ ) | (220 V AC) 200 kA<br>(230 V AC) 200 kA<br>(380 V AC) 200 kA<br>(400 V AC) 200 kA<br>(415 V AC) 200 kA<br>(440 V AC) 180 kA<br>(500 V AC) 150 kA<br>(690 V AC) 80 kA |
| Rated Uninterrupted Current ( $I_u$ )                       | 400 A                                                                                                                                                               |
| Release                                                     | PR222DS/P-LSI                                                                                                                                                       |
| Release Type                                                | EL                                                                                                                                                                  |
| Short-Circuit Performance Level                             | V                                                                                                                                                                   |
| Standards                                                   | IEC                                                                                                                                                                 |
| Sub-type                                                    | T5                                                                                                                                                                  |

| Terminal Connection Type                          | Fixed Circuit-Breakers Front |
|---------------------------------------------------|------------------------------|
| Test Voltage Max ( $U_{\text{test}}$ )            | 3500 V                       |
| Test Voltage at Industrial Frequency for 1 Minute | 3500 V                       |

### Certificates and Declarations

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 1SDC210004D0203 |
| Declaration of Conformity - CE    | 9AKK106713A5539 |
| GL Certificate                    | 1SDL000163R0062 |
| Instructions and Manuals          | 1SDH000437R0001 |
| Instructions and Manuals (Part 2) | ITSCE-RH0100001 |
| Instructions and Manuals (Part 3) | 1SDH000436R0502 |

### External Classifications and Standards

|                            |                                                                              |
|----------------------------|------------------------------------------------------------------------------|
| ETIM 8                     | EC000228 - Power circuit-breaker for trafo/generator/installation protection |
| ETIM 9                     | 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                                                             |

### Categories

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

