



PRODUCT-DETAILS

# TA25DU-14RT

## TA25DU-14RT Thermal Overload Relay 10 ... 14 A



| General Information   |                                                |
|-----------------------|------------------------------------------------|
| Extended Product Type | TA25DU-14RT                                    |
| Product ID            | 1SAZ281201R1045                                |
| Catalog Description   | TA25DU-14RT Thermal Overload Relay 10 ... 14 A |
| Long Description      | TA25DU-14RT Thermal Overload Relay             |

| Ordering               |          |
|------------------------|----------|
| Minimum Order Quantity | 1 piece  |
| Customs Tariff Number  | 85364900 |

| Popular Downloads                 |                 |
|-----------------------------------|-----------------|
| Instructions and Manuals          | 1SAC200282H0001 |
| Time-Current Characteristic Curve | 1SAZ200501F0015 |

## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 44 mm   |
| Product Net Height         | 80 mm   |
| Product Net Depth / Length | 94 mm   |
| Product Net Weight         | 0.15 kg |

## Technical

|                                                    |                                                                                                                                                                                                       |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Setting Range                                      | 10 ... 14 A                                                                                                                                                                                           |
| Rated Operational Voltage                          | Auxiliary Circuit 440 V DC<br>Auxiliary Circuit 500 V AC<br>Main Circuit 690 V AC<br>Main Circuit 440 V DC                                                                                            |
| Rated Operational Current ( $I_e$ )                | 14 A                                                                                                                                                                                                  |
| Rated Frequency (f)                                | Auxiliary Circuit 50 Hz<br>Auxiliary Circuit 60 Hz<br>Auxiliary Circuit DC<br>Main Circuit 60 Hz<br>Main Circuit 50 Hz<br>Main Circuit DC                                                             |
| Rated Impulse Withstand Voltage ( $U_{imp}$ )      | Auxiliary Circuit 6 kV<br>Main Circuit 6 kV                                                                                                                                                           |
| Rated Insulation Voltage ( $U_i$ )                 | 690 V                                                                                                                                                                                                 |
| Number of Poles                                    | 3P                                                                                                                                                                                                    |
| Number of Auxiliary Contacts NC                    | 1                                                                                                                                                                                                     |
| Number of Auxiliary Contacts NO                    | 1                                                                                                                                                                                                     |
| Number of Protected Poles                          | 3                                                                                                                                                                                                     |
| Conventional Free-air Thermal Current ( $I_{th}$ ) | Auxiliary Circuit NC 10 A<br>Auxiliary Circuit NO 6 A                                                                                                                                                 |
| Rated Operational Current AC-15 ( $I_e$ )          | (120 V) NC 3 A<br>(120 V) NO 1.5 A<br>(240 V) NC 3 A<br>(240 V) NO 1.2 A<br>(400 V) NC 0.75 A<br>(400 V) NO 0.37 A<br>(440 V) NC 0.75 A<br>(440 V) NO 0.37 A<br>(500 V) NC 0.3 A<br>(500 V) NO 0.25 A |
| Rated Operational Current DC-13 ( $I_e$ )          | (125 V) NC 0.25 A<br>(125 V) NO 0.25 A<br>(24 V) NC 1.25 A<br>(24 V) NO 1.25 A<br>(250 V) NC 0.12 A<br>(250 V) NO 0.04 A<br>(60 V) NC 0.25 A<br>(60 V) NO 0.25 A                                      |
| Degree of Protection                               | Housing IP20<br>Main Circuit Terminals IP10                                                                                                                                                           |
| Pollution Degree                                   | 3                                                                                                                                                                                                     |
| Recommended Screw Driver                           | Auxiliary Circuit Pozidriv 1<br>Main Circuit Pozidriv 2                                                                                                                                               |
| Power Loss                                         | at Rated Operating Conditions per Pole 1.2 ... 2.4 W                                                                                                                                                  |

## Environmental

|                                            |                                                                                            |
|--------------------------------------------|--------------------------------------------------------------------------------------------|
| Ambient Air Temperature                    | Operation -25 ... +55 °C<br>Operation Compensated -25 ... +55 °C<br>Storage -40 ... +70 °C |
| Ambient Air Temperature Compensation       | Yes                                                                                        |
| Maximum Operating Altitude Permissible     | 2000 m                                                                                     |
| Resistance to Shock acc. to IEC 60068-2-27 | 11 ms Pulse 12g<br>25g 2 shocks 13 ms                                                      |
| RoHS Status                                | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019                     |
| Toxic Substances Control Act - TSCA        | 2CMT2023-006525                                                                            |

## Material Compliance

|                                             |                                                            |
|---------------------------------------------|------------------------------------------------------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                                            |
| REACH Declaration                           | 2CMT2021-006202                                            |
| RoHS Information                            | 2CMT2021-006277                                            |
| WEEE B2C / B2B                              | Business To Business                                       |
| WEEE Category                               | 5. Small Equipment (No External Dimension More Than 50 cm) |

## Container Information

|                                |             |
|--------------------------------|-------------|
| Package Level 1 Units          | box 1 piece |
| Package Level 1 Width          | 98 mm       |
| Package Level 1 Height         | 82 mm       |
| Package Level 1 Depth / Length | 47 mm       |
| Package Level 1 Gross Weight   | 0.17 kg     |

## External Classifications and Standards

|                                    |                                   |
|------------------------------------|-----------------------------------|
| ETIM 5                             | EC000106 - Thermal overload relay |
| ETIM 6                             | EC000106 - Thermal overload relay |
| ETIM 7                             | EC000106 - Thermal overload relay |
| ETIM 8                             | EC000106 - Thermal overload relay |
| eClass                             | V11.0 : 27371501                  |
| UNSPSC                             | 39122330                          |
| IDEA Granular Category Code (IGCC) | 5366 >> Thermal overload relay    |

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## Categories

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Low Voltage Products and Systems → Control Products → Contactors → Thermal Overload Relays

