



Representative Image

Alternate Catalog No. TA200DU135 Catalog No. 1SAZ421201R1003

Description: TA200DU-135 Thermal Overload Relay

UPC No 4013614286032

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The TA200DU-135 thermal overload relay is an economic electromechanical protection device for the main circuit. It offers reliable and fast protection for motors in the event of overload or phase failure. The device has trip class 10A. Further features are the temperature compensation, trip contact (NC), signal contact (NO), automatic- or manual reset selectable, trip-free mechanism, STOP- and Test function and a trip indication. The overload relays are connected directly to the block contactors. Single mounting kits are available as accessory.

Descriptors

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| Category | Overload Relays |
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Specifications

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| Product Name | Thermal Overload Relay |
| Rated Operational Voltage | Auxiliary Circuit 440/500 V DC/V AC Main Circuit 690 V AC |
| Rated Operational Current | 135 A |
| Setting Range | 100 ... 135 A |
| Rated Impulse Withstand Voltage | Auxiliary Circuit 6 kV Main Circuit 6 kV |
| Rated Insulation Voltage | 690 V |
| Number of Poles | 3 |
| Number of Auxiliary Contacts NC | 1 |
| Number of Auxiliary Contacts NO | 1 |
| Number of Protected Poles | 3 |
| Trip Class | class 10A |
| Conventional Free-air Thermal Current | Auxiliary Circuit NC 5 A Auxiliary Circuit NO 5 A Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 60 Hz Main Circuit 50Hz Main Circuit DC |
| Rated Frequency | |
| Rated Operational Current AC-3 | 135 A |
| Degree of Protection | Housing IP20 Main Circuit Terminals IP00 |
| Pollution Degree | 3 |
| Suitable For | A145 A185 AF145 AF185 AF190 AF205 |

Specifications

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| Rated Operational Current AC-15 | (120 V) NC 3 A (120 V) NO 1.5 A (240 V) NC 3 A (240 V) NO 1.5 A (400 V) NC 1.9 A (400 V) NO 1 A (440 V) NC 1 A (440 V) NO 1 A (500 V) NC 1 A (500 V) NO 1 A |
| Rated Operational Current DC-13 | (125 V) NC 0.25 A (125 V) NO 0.25 A (24 V) NC 1.25 A (24 V) NO 1.25 A (250 V) NC 0.12 A (250 V) NO 0.04 A (60 V) NC 0.25 A (60 V) NO 0.25 A |
| Connecting Capacity Main Circuit | Hole Diameter > 10 mm ² Rigid or Flexible with Cable Lug 1x 25 ... 120 mm ² |
| Connecting Capacity Auxiliary Circuit | Flexible with Ferrule 1/2x 0.75 ... 2.5 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 0.75 ... 4 mm ² |
| Wire Stripping Length | Auxiliary Circuit 9 mm |
| Tightening Torque | Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 25 N·m |
| Mounting Position | Position 1 to 6 |
| Power Loss | at Rated Operating Conditions per Pole 3.3 ... 6.0 W |
| Standards | IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 |
| Recommended Screw Driver | Auxiliary Circuit Pozidriv 1 Main Circuit Open Bars |
| Maximum Operating Voltage UL/CSA | Main Circuit 600 V AC |
| Ampere Rating UL/CSA | 135 A |
| Contact Rating UL/CSA | (NC:) B600 (NO:) C600 |
| Connecting Capacity Main Circuit UL/CSA | Flexible 1x 4-0000 AWG Stranded 1x 4-0000 AWG |
| Ambient Air Temperature | Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C |
| Ambient Air Temperature Compensation | Yes |
| Connecting Capacity Auxiliary Circuit UL/CSA | Flexible 1/2x 18-14 AWG Stranded 1/2x 18-14 AWG |
| Resistance to Shock acc. to IEC 60068-2-27 | 11 ms Pulse 12g |
| Maximum Operating Altitude Permissible | 2000 m |
| RoHS Status | Following EU Directive 2011/65/EU |
| Tightening Torque UL/CSA | Auxiliary Circuit 12 in·lb Main Circuit 220 in·lb |
| Object Classification Code | F |

Classifications

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|----------|-----------------------------------|
| ETIM 5.0 | EC000106 - Thermal overload relay |
| ETIM 6.0 | EC000106 - Thermal overload relay |
| ETIM 7 | EC000106 - Thermal overload relay |
| eClass | 7.0 27371501 |
| ETIM 4 | EC000106 - Thermal overload relay |

Dimensions

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| Product Net Width | 104 mm |
| Product Net Height | 151 mm |
| Product Net Weight | 0.76kg |
| Product Net Depth / Length | 126 mm |

Package Information

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| Package Level 1 Units | 1 piece |
| Package Level 1 Width | 165 mm |
| Package Level 1 Depth / Length | 151 mm |
| Package Level 1 Gross Weight | 1.01 kg |
| Package Level 1 EAN | 4013614286032 |
| Package Level 1 Height | 133 mm |
| Package Level 2 Width | 280 mm |
| Package Level 2 Units | 4 piece |
| Package Level 2 Depth / Length | 395 mm |
| Package Level 2 EAN | 4013614494253 |
| Package Level 2 Gross Weight | 8.786 kg |
| Package Level 2 Height | 210 mm |

Ordering

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| ECN | N |
| Customs Tariff Number | 85364900 |
| ECCN | N |
| ABB MDF Code | 3DL - Relays (LV / Control + Protection) |