



PRODUCT-DETAILS

TA25DU-6.5

TA25DU-6.5 Thermal Overload Relay 4.5 ... 6.5 A



| Generell informasjon | |
|----------------------|---|
| Utvidet produkttype | TA25DU-6.5 |
| Produkt-ID | 1SAZ211201R1038 |
| EAN | 4013614216589 |
| Katalogbeskrivelse | TA25DU-6.5 Thermal Overload Relay 4.5 ... 6.5 A |
| Lang beskrivelse | The TA25DU-6.5 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. |

| Ordering | |
|---------------------|----------|
| Minimum ordreantall | 1 piece |
| Tolltariffnummer | 85364900 |

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Instruksjoner og bruksanvisninger | 2CDC106031M6802 |
| Time-Current Characteristic Curve | 1SAZ200501F0012 |
| Dimensjonsdiagram | 1SAZ200402F0001 |

Dimensions

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|-------------------------------|---------|
| Produktets nettobredde | 44 mm |
| Produktets netto høyde | 80 mm |
| Produktets netto dybde/lengde | 94 mm |
| Produktets nettovekt | 0.15 kg |

Technical

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| Setting Range | 4.5 ... 6.5 A |
| Nominell driftsspenning | Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC Main Circuit 440 V DC |
| Nominell driftsstrøm (I_e) | 6.5 A |
| Nominell frekvens (f) | Auxiliary Circuit 50 Hz Auxiliary Circuit 60 Hz Auxiliary Circuit DC Main Circuit 60 Hz Main Circuit 50 Hz Main Circuit DC |
| Rated Impulse Withstand Voltage (U_{imp}) | Auxiliary Circuit 6 kV Main Circuit 6 kV |
| Rated Insulation Voltage (U_i) | 690 V |
| Antall stenger | 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 Auxiliary Circuit NO 6 A |
| Rated Operational Current AC-15 (I_e) | (120 V) NC 3 A (120 V) NO 1.5 A (240 V) NC 3 A (240 V) NO 1.2 A (400 V) NC 0.75 A (400 V) NO 0.37 A (440 V) NC 0.75 A (440 V) NO 0.37 A (500 V) NC 0.3 A (500 V) NO 0.25 A |
| Rated Operational Current DC-13 (I_e) | (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 |
| Beskyttelsesgrad | Housing IP20 Main Circuit Terminals IP10 |

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| Pollution Degree | 3 |
| 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 |
| Connecting Capacity Main Circuit | Flexible with Ferrule 1x 0.75 ... 4 mm ² Flexible with Ferrule 2x 0.75 ... 4 mm ² Flexible 1x 0.75 ... 4 mm ² Flexible 2x 0.75 ... 4 mm ² Rigid 1x 0.75 ... 4 mm ² Rigid 2x 0.75 ... 4 mm ² |
| Tiltrekningsmoment | Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 1.5 ... 1.9 N·m |
| Wire Stripping Length | Auxiliary Circuit 9 mm Main Circuit 12 mm |
| Recommended Screw Driver | Auxiliary Circuit Pozidriv 1 Main Circuit Pozidriv 2 |
| Power Loss | at Rated Operating Conditions per Pole 1.1 ... 2.2 W |
| Passer til | A9 A12 A16 A26 A30 A40 AL9 AL12 AL16 AL26 AL30 AL40 |
| Standarder | IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1 |

Technical UL/CSA

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|---|---|
| Maximum Operating Voltage UL/CSA | Main Circuit 600 V AC |
| Contact Rating UL/CSA | (NC:) B600 (NO:) C300 |
| Connecting Capacity Main Circuit UL/CSA | Flexible 1/2x 16-8 AWG Stranded 1/2x 16-8 AWG |
| Connecting Capacity Auxiliary Circuit UL/CSA | Flexible 1/2x 18-14 AWG Stranded 1/2x 18-14 AWG |
| Tightening Torque UL/CSA | Auxiliary Circuit 12 in·lb Main Circuit 12 in·lb |

Environmental

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| Omgivelseslufttemperatur | Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C |
| Ambient Air Temperature Compensation | Ja |
| Maksimalt tillatte driftshøyde | 2000 m |
| Motstand overfor støt iht. til IEC 60068-2-27 | 11 ms Pulse 12g 25g 2 shocks 13 ms |
| RoHS-status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| Toxic Substances | 2CMT2023-006525 |

Control Act - TSCA

Material Compliance

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|-------------------|--|
| REACH Declaration | 2CMT2021-006202 |
| RoHS-informasjon | 2CMT2021-006277 |
| WEEE B2C/B2B | Business To Business |
| WEEE-kategori | 5. Small Equipment (No External Dimension More Than 50 cm) |

Certificates and Declarations

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|----------------------------------|---------------------|
| ABS-sertifikat | 1SAA941000-0102 |
| BV-sertifikat | 1SAA941000-0201 |
| CB Certificate | 1SAA941005-2001 |
| CCC Certificate | 2024010304659818 |
| CQC Certificate | CQC2015010309808587 |
| Declaration of Conformity - CCC | 2020980304001318 |
| Samsvarserklæring - CE | 1SAD101100-3509 |
| Declaration of Conformity - UKCA | 1SAD201100-3509 |
| DNV-sertifikat | 1SAA941000-0304 |
| DNV GL Certificate | 1SAA941000-0304 |
| EAC Certificate | 1SAA941002-2702 |
| GL-sertifikat | 1SAA941000-0304 |
| LR-sertifikat | 1SAA941000-0504 |
| RMRS-sertifikat | 1SAA941000-0704 |
| UL-sertifikat | E48139-19970507 |

Container Information

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|--------------------------|----------------|
| Pakkenivå 1 enheter | carton 1 piece |
| Pakkenivå 1 bredde | 98 mm |
| Pakkenivå 1 høyde | 82 mm |
| Pakkenivå 1 dybde/lengde | 47 mm |
| Pakkenivå 1 bruttovekt | 0.17 kg |
| Pakkenivå 1 EAN | 4013614216589 |
| Pakkenivå 2 enheter | 48 piece |
| Pakkenivå 2 bredde | 280 mm |
| Pakkenivå 2 høyde | 210 mm |
| Pakkenivå 2 dybde/lengde | 395 mm |
| Pakkenivå 2 bruttovekt | 8.546 kg |
| Pakkenivå 2 EAN | 4013614442070 |

External Classifications and Standards

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|---------------------------|-----------------------------------|
| Objektklassifiseringskode | F |
| ETIM 4 | EC000106 - Thermal overload relay |
| ETIM 5 | EC000106 - Thermal overload relay |
| ETIM 6 | EC000106 - Thermal overload relay |

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|---|-----------------------------------|
| ETIM 7 | EC000106 - Thermal overload relay |
| ETIM 8 | EC000106 - Thermal overload relay |
| e-klasse | V11.0 : 27371501 |
| UNSPSC | 39122330 |
| IDEA- granulærkategorikode (IGCC) | 5366 >> Thermal overload relay |
| E-Number (Finland) | 3709374 |

Kategorier

Lavspenningsprodukter → Startapparater → Kontaktorer → Termiske overlastvern TOL

