



English

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TA25DU-0.63M

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General Information

Extended Product Type:

TA25DU-0.63M

Product ID:

1SAZ211201R2017

EAN:

4013614482441

Catalog Description:

TA25DU-0.63M Thermal Overload Relay

Long Description:

TA25DU-0.63M (0.4-0.63A) 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.

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Ordering**Minimum Order Quantity:**

1 piece

Customs Tariff Number:

85364900

Popular Downloads**Instructions and Manuals:**

[2CDC106031M6802](#)

Time-Current Characteristic Curve:

[1SAZ200501F0004](#)

CAD Dimensional Drawing:

[2CDC001079B0201](#)

Dimensions**Product Net Width:**

44 mm

Product Net Height:

80 mm

Product Net Depth / Length:

94 mm

Product Net Weight:

0.15 kg

Technical**Rated Operational Voltage:**

Main Circuit 690 V AC

Main Circuit 440 V DC

Rated Operational Current (I_e):

0.63 A

Rated Frequency (f):

Auxiliary Circuit 50 Hz
Auxiliary Circuit 60 Hz
Auxiliary Circuit DC
Main Circuit 60 Hz
Main Circuit 50 Hz
Main Circuit DC

Number of Poles:

3

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 5 A
Auxiliary Circuit NO 5 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

Degree of Protection:

Housing IP20
Main Circuit Terminals IP10

Pollution Degree:

3

Connecting Capacity Auxiliary Circuit:

Flexible 1/2x 0.75 ... 2.5 mm²
Rigid 1/2x 0.75 ... 4 mm²

Connecting Capacity Main Circuit:

Flexible with Ferrule 1x 0.75 ... 4 mm²
Flexible with Ferrule 2x 0.75 ... 4 mm²
Flexible 1x 0.75 ... 4 mm²
Flexible 2x 0.75 ... 4 mm²
Rigid 1x 0.75 ... 4 mm²
Rigid 2x 0.75 ... 4 mm²

Recommended Screw Driver:

Auxiliary Circuit Pozidriv 1
Main Circuit Pozidriv 2

Power Loss:

at Rated Operating Conditions per Pole 0.9 ... 2.2 W

Suitable For:

AX09

AX12
AX18
AX25
AX32
AX40

Standards:

CSA 22.2 No. 14
IEC/EN 60947-1
IEC/EN 60947-4-1
IEC/EN 60947-5-1
UL 508

Technical UL/CSA**Maximum Operating Voltage UL/CSA:**

Main Circuit 600 V AC

Contact Rating UL/CSA:

(NC-) B600
(NO-) C600

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**Ambient Air Temperature:**

Operation -25 ... +55 °C
Operation Compensated -25 ... +55 °C
Storage -40 ... +70 °C

Maximum Operating Altitude Permissible:

2000 m

Resistance to Shock acc. to IEC 60068-2-27:

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

RoHS Status:Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

Toxic Substances Control Act - TSCA:2CMT2023-006525

WEEE B2C / B2B:Business To Business

WEEE Category:5. Small Equipment (No External Dimension More Than 50 cm)

Certificates and Declarations**CB Certificate:**1SAA941013-2002

CCS Certificate:1SAA941000-0901

CQC Certificate:CQC2015010309808585

Declaration of Conformity - CCC:2020980304001319

Declaration of Conformity - CE:1SAD101100-3501

EAC Certificate:1SAA941002-2701

RMRS Certificate:1SAA941000-0704

UL Certificate:E48139-19970507

Container Information**Package Level 1 Units:**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

Package Level 1 EAN:4013614482441

Package Level 2 Units:36 piece

Package Level 2 Width:

230 mm

Package Level 2 Height:

310 mm

Package Level 2 Depth / Length:

380 mm

Package Level 2 Gross Weight:

10.946 kg

Classifications**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:

39121520

IDEA Granular Category Code (IGCC):

5364 >> Overload relay

E-Number (Finland):

3707393
