

TA25DU-0.4M



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

General Information

Extended Product Type:	TA25DU-0.4M
Product ID:	1SAZ211201R2013
EAN:	4013614482434
Catalog Description:	TA25DU-0.4M Thermal Overload Relays
Long Description:	TA25DU-0.4M (0.25-0.4A) 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 a 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 Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	44 mm
Product Net Height:	80 mm
Product Net Depth:	94 mm
Product Net Weight:	0.15 kg

Popular Downloads

Instructions and Manuals:	2CDC106031M6802
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Technical

Setting Range:	0.25 ... 0.40 A
Rated Operational Voltage:	Auxiliary Circuit 440/500 V AC/DC Main Circuit 690 V AC
Rated Operational Current (I_e):	0.4 A
Rated Operational Current AC-3 (I_e):	0.4 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
Rated Impulse Withstand Voltage (U_{imp}):	Auxiliary Circuit 6 kV Main Circuit 6 kV
Rated Insulation Voltage (U_i):	690 V
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 3.000 A (120 V) NO 1.500 A (240 V) NC 3.000 A (240 V) NO 1.500 A (400 V) NC 1.900 A (400 V) NO 1.000 A (440 V) NC 1.000 A (440 V) NO 1.000 A (500 V) NC 1.000 A (500 V) NO 1.000 A
Rated Operational Current DC-13 (I_e):	(125 V) NC 0.250 A (125 V) NO 0.250 A (24 V) NC 1.250 A (24 V) NO 1.250 A (250 V) NC 0.120 A (250 V) NO 0.040 A (60 V) NC 0.250 A (60 V) NO 0.250 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
Pollution Degree:	3
Connecting Capacity Auxiliary Circuit:	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

Tightening Torque:	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
Mounting Position:	Position 1 to 4
Power Loss:	at Rated Operating Conditions per Pole 0.9 ... 2.2 W
Suitable For:	AX09 AX12 AX18 AX25 AX32 AX40
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 508 CSA 22.2 No. 14

Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C 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
RoHS Status:	Following EU Directive 2011/65/EU

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Ampere Rating UL/CSA:	0.4 A
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

Certificates and Declarations (Document Number)

CB Certificate:	1SAA941013-2002
CCC Certificate:	1SAA941010-3801
CCS Certificate:	1SAA941000-0901
Declaration of Conformity - CE:	1SAD938503-0186
EAC Certificate:	1SAA941002-2701
Instructions and Manuals:	2CDC106031M6802
RMRS Certificate:	1SAA941000-0704
RoHS Information:	1SAD938503-0186

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	98 mm
Package Level 1 Height:	82 mm
Package Level 1 Length:	47 mm
Package Level 1 Gross Weight:	0.17 kg
Package Level 1 EAN:	4013614482434
Package Level 2 Units:	36 piece
Package Level 2 Width:	230 mm
Package Level 2 Height:	310 mm
Package Level 2 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
eClass:	7.0 27371501
UNSPSC:	39121521

