

TA25DU-1.4M



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

General Information

Extended Product Type:	TA25DU-1.4M
Product ID:	1SAZ211201R2023
EAN:	4013614482465
Catalog Description:	TA25DU-1.4M Thermal Overload Relays
Long Description:	TA25DU-1.4M (1.0-1.4A) 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 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.

Additional Information

Ambient Air Temperature:	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C
Ambient Air Temperature Compensation:	Yes
Ampere Rating UL/CSA:	1.4 A
CB Certificate:	1SAA941013-2002
CCC Certificate:	1SAA941010-3801
Co-ordination with Short-Circuit Protective Devices - Type 1:	gG Type Fuses 6 A
Co-ordination with Short-Circuit Protective Devices - Type 2:	gG Type Fuses 6 A
Connecting Capacity Auxiliary Circuit UL/CSA:	Flexible 1/2x 18-14 AWG Stranded 1/2x 18-14 AWG
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 16-8 AWG Stranded 1/2x 16-8 AWG
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
Contact Rating UL/CSA:	(NC:) B600 (NO:) C600
Conventional Free-air Thermal Current (I_{th}):	Auxiliary Circuit NC 5 A Auxiliary Circuit NO 5 A
Country of Origin:	Bulgaria (BG)
Customs Tariff Number:	85364900
Declaration of Conformity - CE:	1SAD938502-0186
Degree of Protection:	Housing IP20 Main Circuit Terminals IP10
EAC Certificate:	1SAA941002-2701
EAN:	4013614482465
EPLAN Catalog Tree:	Electrical engineering / Relays, contactors / General
ETIM 5:	EC000106 - Thermal overload relay
ETIM 6:	EC000106 - Thermal overload relay

Invoice Description:	TA25DU-1.4M Thermal overload relay Trip class 10A, 1.0-1.4A
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Minimum Order Quantity:	1 piece
Mounting Position:	Position 1 to 4
Mounting Type:	Mounted on Contactor
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	1
Number of Poles:	3
Number of Protected Poles:	3
Package Level 1 Gross Weight:	0.17 kg
Package Level 1 Height:	82 mm
Package Level 1 Length:	47 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	98 mm
Package Level 2 Gross Weight:	10.946 kg
Package Level 2 Height:	310 mm
Package Level 2 Length:	380 mm
Package Level 2 Units:	36 piece
Package Level 2 Width:	230 mm
Phase Loss Sensitive:	Yes
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 1.1 ... 2.2 W
Product Main Type:	TA25DU
Product Name:	Thermal Overload Relays
Product Net Depth:	94 mm
Product Net Height:	80 mm
Product Net Weight:	0.15 kg
Product Net Width:	44 mm
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
Rated Operational Current (I_e):	1.4 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 AC-3 (I_e):	1.4 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

Rated Operational Voltage:	Auxiliary Circuit 440/500 V AC/DC Main Circuit 690 V AC
Recommended Screw Driver:	Main Circuit Pozidriv 2
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 12g
RoHS Date:	0328
RoHS Information:	1SAA941009-4401
RoHS Status:	Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q1
Selling Unit of Measure:	piece
Setting Range:	1.00 ... 1.40 A
Short Description:	TA25DU-1.4 Thermal Overload Relay
Short-Circuit Protective Devices:	Auxiliary Circuit - gG Type Fuses 6 A
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 508 CSA 22.2 No. 14
Suitable For:	AX09 AX12 AX18 AX25 AX32 AX40
Suitable for Product Class:	Block contactors
Terminal Type:	Screw Terminals
Tightening Torque:	Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 1.5 ... 1.9 N·m
Tightening Torque UL/CSA:	Auxiliary Circuit 12 in·lb Main Circuit 12 in·lb
Trip Class:	10A
UNSPSC:	39121521
Wire Stripping Length:	Auxiliary Circuit 9 mm Main Circuit 12 mm
eClass:	7.0 27371501

