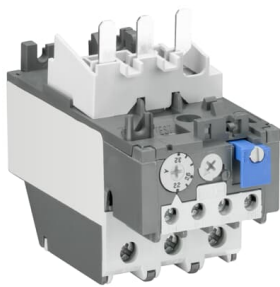




PRODUCT-DETAILS

TA42DU-25M

TA42DU-25M Thermal Overload Relay



General Information	
Extended Product Type	TA42DU-25M
Product ID	1SAZ311201R2001
EAN	4013614482595
Catalog Description	TA42DU-25M Thermal Overload Relay
Long Description	TA42DU-25M (18.0-25.0A) 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 Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Instructions and Manuals	2CDC106049M6802
Time-Current Characteristic Curve	1SAZ300501F0001
CAD Dimensional Drawing	2CDC001079B0201

## Dimensions

Product Net Width	54 mm
Product Net Height	90 mm
Product Net Depth / Length	111 mm
Product Net Weight	0.335 kg

## Technical

Rated Operational Voltage	Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current ( $I_e$ )	25 A
Number of Poles	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 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 IP20
Connecting Capacity Auxiliary Circuit	Flexible 1/2x 0.75 ... 2.5 mm <sup>2</sup> Rigid 1/2x 0.75 ... 4 mm <sup>2</sup>
Wire Stripping Length	Auxiliary Circuit 9 mm Main Circuit 14 mm
Recommended Screw Driver	Auxiliary Circuit Pozidriv 1 Main Circuit Pozidriv 2
Power Loss	at Rated Operating Conditions per Pole 1.8 ... 3.4 W
Suitable For	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 8-1 AWG Stranded 1/2x 8-1 AWG
Tightening Torque UL/CSA	Auxiliary Circuit 12 in-lb Main Circuit 40 in-lb

## Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C
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
WEEE B2C / B2B	Business To Business
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

## Certificates and Declarations

CB Certificate	1SAA941019-2001
CCS Certificate	1SAA941000-0901
CQC Certificate	CQC2016010309922937
Declaration of Conformity - CCC	2020980304001322
Declaration of Conformity - CE	1SAD101100-3501
EAC Certificate	1SAA941002-2701
RMRS Certificate	1SAA941000-0704
UL Certificate	E48139-19970506

## Container Information

Package Level 1 Units	1 piece
Package Level 1 Width	92 mm
Package Level 1 Height	109 mm
Package Level 1 Depth / Length	61 mm
Package Level 1 Gross Weight	0.36 kg
Package Level 1 EAN	4013614482595
Package Level 2 Units	25 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	8.786 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

Categories

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

