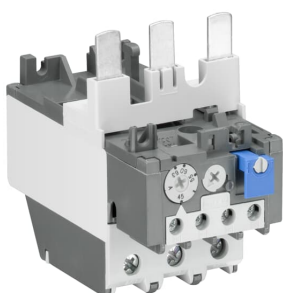


PRODUCT-DETAILS

TA75DU-42M

TA75DU-42M Thermal Overload Relays



General Information

Extended Product Type	TA75DU-42M
Product ID	1SAZ321201R2003
EAN	4013614482649
Catalog Description	TA75DU-42M Thermal Overload Relays
Long Description	TA75DU-42M (29.0-42.0A) 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	1SAZ300501F0003
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)	42 A
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 IP20
Connecting Capacity Auxiliary Circuit	Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 0.75 ... 4 mm ²
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 1.5 ... 3.2 W
Suitable For	AX50 AX65 AX80
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
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 40 in-lb

Environmental

Ambient Air Temperature

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

RoHS Status

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

Material Compliance

Conflict Minerals
Reporting Template
(CMRT)

9AKK108467A5658

REACH Declaration

No declaration needed

RoHS Information

2CMT2021-006277

RoHS Status

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

WEEE B2C / B2B

Business To Business

WEEE Category

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

Certificates and Declarations

CB Certificate

1SAA941014-2001

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

4013614482649

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

5364 >> Overload relay

Code (IGCC)

E-Number (Finland)

3707435

Categories

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

