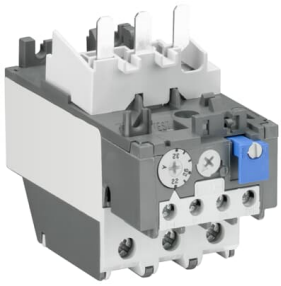
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PRODUCT-DETAILS

TA42DU-32M

TA42DU-32M Thermal Overload Relay



General Information

Extended Product Type:	TA42DU-32M
Product ID:	1SAZ311201R2002
EAN:	4013614482601
Catalog Description:	TA42DU-32M Thermal Overload Relay
Long Description:	TA42DU-32M (22.0-32.0A) 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.
Display Name:	TA42DU-32M

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

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Popular Downloads

Instructions and Manuals:	2CDC106049M6802
Time-Current Characteristic Curve:	1SAZ300501F0002
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):	32 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 10 A Auxiliary Circuit NO 6 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 mm² Rigid 1/2x 0.75 ... 4 mm²
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 1.4 ... 3.0 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

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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 Information:	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 Declaration:	2CMT2021-006277
WEEE B2C / B2B:	Business To Business
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)

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Environmental Product Declaration - EPD:	No declaration needed

Certificates and Declarations

CB Certificate:	1SAA941019-2001
CCC Certificate:	2024010304659817
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

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UL Certificate:	E48139-19970506

Container Information

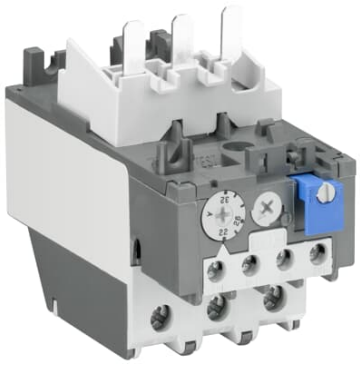
Package Level 1 Units:	box 1 piece
Package Level 1 Width:	92 mm
Package Level 1 Height:	109 mm
Package Level 1 Depth / Length:	61 mm
Package Level 1 Gross Weight:	0.36 kg
Package Level 1 EAN:	4013614482601
Package Level 2 Units:	25 piece
Package Level 2 Width:	230 mm
Package Level 2 Height:	310 mm
Package Level 2 Depth / Length:	380 mm
Package Level 2 Gross Weight:	8.786 kg

External Classifications and Standards

ETIM 9:	EC000106 - Thermal overload relay
ETIM 10:	EC000106 - Thermal overload relay
eClass:	V11.0 : 27371501
UNSPSC:	39121520
IDEA Granular Category Code (IGCC):	5364 >> Overload relay
E-Number (Finland):	3707418

Categories

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



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