TA200DU-150

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

General Information

Extended Product Type:	TA200DU-150
Product ID:	1SAZ421201R1004
EAN:	4013614286049
Catalog Description:	TA200DU-150 Thermal Overload Relay
Long Description:	The TA200DU-150 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

Dimensions

Product Net Width:	104 mm
Product Net Height:	151 mm
Product Net Depth:	126 mm
Product Net Weight:	0.76 kg

Popular Downloads

Data Sheet, Technical Information:	1SBC100173C0201
Data Sheet, Technical Information (Part 2):	1SAZ400502F0004
Instructions and Manuals:	2CDC106028M6802
Dimension Diagram:	1SAZ400401F0001

Technical

Setting Range:	110 ... 150 A
Rated Operational Voltage:	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC
Rated Operational Current (I_e):	150 A
Rated Operational Current AC-3 (I_e):	150 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 A (120 V) NO 1.5 A (240 V) NC 3 A (240 V) NO 1.5 A (400 V) NC 1.9 A (400 V) NO 1 A (440 V) NC 1 A (440 V) NO 1 A (500 V) NC 1 A (500 V) NO 1 A
Rated Operational Current DC-13 (I_e):	(125 V) NC 0.25 A (125 V) NO 0.25 A (24 V) NC 1.25 A (24 V) NO 1.25 A (250 V) NC 0.12 A (250 V) NO 0.04 A (60 V) NC 0.25 A (60 V) NO 0.25 A
Degree of Protection:	Housing IP20 Main Circuit Terminals IP00
Pollution Degree:	3
Connecting Capacity Auxiliary Circuit:	Flexible with Ferrule 1/2x 0.75 ... 2.5 mm² Flexible 1/2x 0.75 ... 2.5 mm² Rigid 1/2x 0.75 ... 4 mm²
Connecting Capacity Main Circuit:	Hole Diameter > 10 mm² Rigid or Flexible with Cable Lug 1x 25 ... 120 mm²
Tightening Torque:	Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 25 N·m
Wire Stripping Length:	Auxiliary Circuit 9 mm

Recommended Screw Driver:	Auxiliary Circuit Pozidriv 1 Main Circuit Open Bars
Mounting Position:	Position 1 to 6
Power Loss:	at Rated Operating Conditions per Pole 3.2 ... 6.0 W
Suitable For:	A145 A185 AF145 AF185 AF190 AF205
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1

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:	150 A
Contact Rating UL/CSA:	(NC:) B600 (NO:) C600
Connecting Capacity Main Circuit UL/CSA:	Flexible 1x 4-0000 AWG Stranded 1x 4-0000 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 220 in·lb

Certificates and Declarations (Document Number)

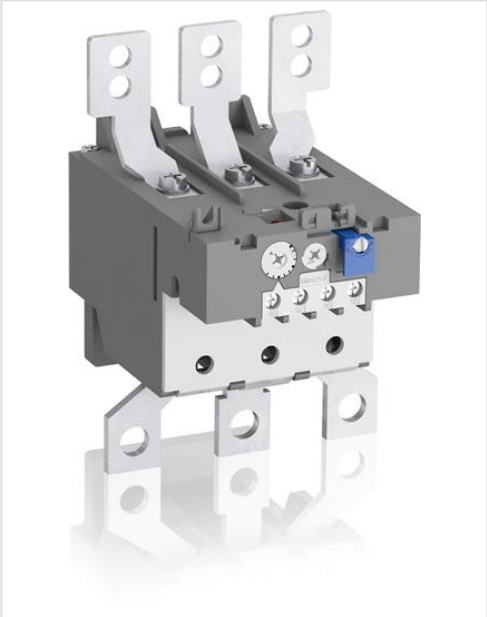
ABS Certificate:	1SAA941000-0102
BV Certificate:	1SAA941000-0201

CB Certificate:	1SAA941004-2003
CCC Certificate:	1SAA941001-3804
cUL Certificate:	cUL_E48139
Declaration of Conformity - CE:	1SAD938514-0043
DNV Certificate:	1SAA941000-0303
EAC Certificate:	1SAA941002-2701
Environmental Information:	1SAA941001-2401
GL Certificate:	1SAA941000-0403 1SAA941006-0403
GOST Certificate:	1SAA941000-2704
Instructions and Manuals:	2CDC106028M6802
LR Certificate:	1SAA941000-0504
RMRS Certificate:	1SAA941000-0704
RoHS Information:	1SAD938514-0043
UL Certificate:	UL_E48139 1SAA938001-1604

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	165 mm
Package Level 1 Height:	133 mm
Package Level 1 Length:	151 mm
Package Level 1 Gross Weight:	1.01 kg
Package Level 1 EAN:	4013614286049
Package Level 2 Units:	4 piece
Package Level 2 Width:	280 mm
Package Level 2 Height:	210 mm
Package Level 2 Length:	395 mm
Package Level 2 Gross Weight:	8.786 kg
Package Level 2 EAN:	4013614494260

Classifications

Object Classification Code:	F
E-nummer:	3228706
ETIM 4:	EC000106 - Thermal overload relay
ETIM 5:	EC000106 - Thermal overload relay
ETIM 6:	EC000106 - Thermal overload relay
ETIM 7:	EC000106 - Thermal overload relay
eClass:	7.0 27371501

UNSPSC: 39121521