TA200DU-150

ABB contact for United States of America

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.

Categories

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

Accessories

Identifier	Type	Description	Qty
1SAZ401110R0001	DB200	DB200 Single Mounting Kit	1

Ordering

EAN:	4013614286049
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Dimensions

Product Net Width:	104.0 mm
Product Net Height:	151.0 mm
Product Net Depth:	126.0 mm
Product Net Weight:	0.760 kg

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	165.0 mm
Package Level 1 Height:	133.0 mm
Package Level 1 Length:	151.0 mm
Package Level 1 Gross Weight:	1.010 kg
Package Level 2 Units:	4 piece
Package Level 2 Width:	280.0 mm
Package Level 2 Height:	210 mm
Package Level 2 Length:	395.0 mm
Package Level 2 Gross Weight:	0.000 kg
Package Level 2 EAN:	4013614494260

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 10 A Auxiliary Circuit NO 6 A
Rated Operational Current AC-15 (I_e):	(120V) NC 3 A (120V) NO 1.5 A (240V) NC 3 A (240V) NO 1.5 A (400V) NC 1.9 A (400V) NO 1 A (440V) NC 1 A (440V) NO 1 A (500V) NC 1 A (500V) NO 1 A
Rated Operational Current DC-13 (I_e):	(125V) NC 0.25 A (125V) NO 0.25 A (24V) NC 1.25 A (24V) NO 1.25 A (250V) NC 0.12 A (250V) NO 0.04 A (60V) NC 0.25 A (60V) 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
Recommended Screw Driver:	Auxiliary Circuit Pozidriv 2 Main Circuit Open Bars
Mounting Position:	Position 1 to 4
Power Loss:	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 2002/95/EC August 18, 2005 and amendment

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:) C300
Connecting Capacity-Main Circuit UL/CSA:	Flexible 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:	1SAA941000-0101
BV Certificate:	1SAA941000-0201
CB Certificate:	1SAA941004-2003
CCC Certificate:	1SAA941001-3803
cUL Certificate:	cUL_E48139
Declaration of Conformity - CE:	1SAD938510-0043
DNV Certificate:	1SAA941000-0303
GL Certificate:	1SAA941000-0403
GOST Certificate:	1SAA941000-2704
LR Certificate:	1SAA941000-0503
RMRS Certificate:	1SAA941000-0703
RoHS Information:	1SAA941003-4404
UL Certificate:	UL_E48139

Classifications

Object Classification Code:	F
eClass:	7.0 27371501
E-nummer:	3228706
ETIM 4.0:	EC000106 - Thermal overload relay
ETIM 5.0:	EC000106 - Thermal overload relay
UNSPSC:	39121500