



PRODUCT-DETAILS

TA200DU-200

TA200DU-200 Thermal Overload Relay 150 ...
200 A



General Information	
Extended Product Type:	TA200DU-200
Product ID:	1SAZ421201R1006
EAN:	4013614286063
Catalog Description:	TA200DU-200 Thermal Overload Relay 150 ... 200 A
Long Description:	The TA200DU-200 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:	TA200DU-200

Ordering	
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	1SBC100214C0202
Instructions and Manuals:	2CDC106028M6802
Instructions and Manuals (Part 2):	1SAC200017M0002
Time-Current Characteristic Curve:	1SAZ400502F0006
CAD Dimensional Drawing:	2CDC001079B0201
Dimension Diagram:	1SAZ400401F0001

Dimensions

Product Net Width:	104 mm
Product Net Height:	151 mm
Product Net Depth / Length:	126 mm
Product Net Weight:	0.785 kg

Technical

Setting Range:	150 ... 200 A
Rated Operational Voltage:	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC Main Circuit 440 V DC
Rated Operational Current (I_e):	200 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:	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
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 mm ² Flexible 1/2x 0.75 ... 2.5 mm ² Rigid 1/2x 0.75 ... 4 mm ²
Connecting Capacity Main Circuit:	Hole Diameter > 10 mm ² Rigid or Flexible with Cable Lug 1x 70 ... 120 mm ²
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:	1 ... 6
Power Loss:	at Rated Operating Conditions per Pole 4.3 ... 7.7 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

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Contact Rating UL/CSA:	(NO-) 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

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 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)

ABB EcoSolutions

ABB EcoSolutions:	Yes
ABB Site Meeting Group Waste To Landfill Target:	No non-hazardous waste is sent to a landfill
EcoSolutions Profile:	1SFC100125C0355
End Of Life Disassembling Instructions:	1SAC200335H0001
Environmental Information:	1SAC200056H0009
Environmental Product Declaration - EPD:	1SAC200275H0001
Improved Energy Efficiency for Customers:	Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 62.6 %

Certificates and Declarations

ABS Certificate:	1SAA941000-0102
BV Certificate:	1SAA941000-0201
CB Certificate:	1SAA941004-2003
CCC Certificate:	2024010304659820
CQC Certificate:	CQC2016010309922936
Declaration of Conformity - CCC:	2020980304001321

Declaration of Conformity - CE:	1SAD101100-3509
Declaration of Conformity - UKCA:	1SAD201100-3509
DNV Certificate:	1SAA941000-0304
DNV GL Certificate:	1SAA941000-0304
EAC Certificate:	1SAA941002-2702
GL Certificate:	1SAA941000-0304
LR Certificate:	1SAA941000-0504
RMRS Certificate:	1SAA941000-0704
UL Certificate:	E48139-19910930

Container Information

Package Level 1 Units:	box 1 piece
Package Level 1 Width:	165 mm
Package Level 1 Height:	133 mm
Package Level 1 Depth / Length:	151 mm
Package Level 1 Gross Weight:	1.035 kg
Package Level 1 EAN:	4013614286063
Package Level 2 Units:	4 piece
Package Level 2 Width:	280 mm
Package Level 2 Height:	210 mm
Package Level 2 Depth / Length:	395 mm
Package Level 2 Gross Weight:	8.786 kg
Package Level 2 EAN:	4013614494284

External Classifications and Standards

Object Classification Code:	F
ETIM 9:	EC000106 - Thermal overload relay
ETIM 10:	EC000106 - Thermal overload relay
eClass:	V11.0 : 27371501
UNSPSC:	39122330
IDEA Granular Category Code (IGCC):	5366 >> Thermal overload relay
E-Number (Finland):	3709362
E-Number (Sweden):	3228710

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
1SAZ401110R0001	DB200 Single Mounting Kit	DB200	1	piece
1SAZ401901R1001	LT200/A Terminal Shroud	LT200/A	1	piece

Identifier	Description	Type	Qty	Unit Of Measure
1SFA616162R1014	KPR3-101L Reset push button	KPR3-101L	1	piece

Categories

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

