

TA200DU-175



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

General Information

Extended Product Type:	TA200DU-175
Product ID:	1SAZ421201R1005
EAN:	4013614286056
Catalog Description:	TA200DU-175 Thermal Overload Relay
Long Description:	The TA200DU-175 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.

Additional Information

ABS Certificate:	1SAA941000-0102
Ambient Air Temperature:	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C
Ambient Air Temperature Compensation:	Yes
Ampere Rating UL/CSA:	175 A
BV Certificate:	1SAA941000-0201
CB Certificate:	1SAA941004-2003
CCC Certificate:	1SAA941001-3803
Co-ordination with Short-Circuit Protective Devices - Type 1:	gG Type Fuses 315 A
Co-ordination with Short-Circuit Protective Devices - Type 2:	gG Type Fuses 315 A
Connecting Capacity Auxiliary Circuit UL/CSA:	Flexible 1/2x 18-14 AWG Stranded 1/2x 18-14 AWG
Connecting Capacity Main Circuit UL/CSA:	Flexible 1x 4-0000 AWG Stranded 1x 4-0000 AWG
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 25 ... 120 mm ²
Contact Rating UL/CSA:	(NC:) B600 (NO:) C600
Conventional Free-air Thermal Current (I_{th}):	Auxiliary Circuit NC 5 A Auxiliary Circuit NO 5 A
Country of Origin:	Czech Republic (CZ)
Customs Tariff Number:	85364900
DNV Certificate:	1SAA941000-0303
Data Sheet, Technical Information:	1SBC100173C0201
Data Sheet, Technical Information (Part 2):	1SAZ400502F0005
Declaration of Conformity - CE:	1SAD938513-0043
Degree of Protection:	Housing IP20 Main Circuit Terminals IP00
Dimension Diagram:	1SAZ400401F0001
E-number:	3228708
EAC Certificate:	1SAA941000-0701

EAC Certificate:	1SAA941002-2/01
EAN:	4013614286056
EPLAN Catalog Tree:	Electrical engineering / Relays, contactors / General
EPLAN Function Definition:	NO contact / NO contact, 2 connection points / NO auxiliary contact 97_98 NC contact / NC contact, 2 connection points / NC auxiliary contact 95_96 Overload / Thermal release, 6 connection points / Thermal release (bimetal relay) 1_2_3_4_5_6
ETIM 4:	EC000106 - Thermal overload relay
ETIM 5:	EC000106 - Thermal overload relay
ETIM 6:	EC000106 - Thermal overload relay
Environmental Information:	1SAA941001-2401
GL Certificate:	1SAA941000-0403 1SAA941006-0403
GOST Certificate:	1SAA941000-2704
IIT Publishing Status:	Level 0 - Information enabled
Industrial IT Certification Level:	0
Instructions and Manuals:	2CDC106028M6802
Invoice Description:	TA200DU-175 Thermal Overload Relay Trip class 10A, 130-175A
LR Certificate:	1SAA941000-0504
Maximum Operating Altitude Permissible:	2000 m
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC
Minimum Order Quantity:	1 piece
Minimum Switching Capacity:	17 V 3 mA
Mounting Position:	Position 1 to 6
Mounting Type:	Mounted on Contactor / Single Mounting
Number of Auxiliary Contacts NC:	1
Number of Auxiliary Contacts NO:	1
Number of Poles:	3
Number of Protected Poles:	3
Object Classification Code:	F
Overvoltage Category:	up to II / III
Package Level 1 EAN:	4013614286056
Package Level 1 Gross Weight:	1.02 kg
Package Level 1 Height:	133 mm
Package Level 1 Length:	151 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	165 mm
Package Level 2 EAN:	4013614494277
Package Level 2 Gross Weight:	8.786 kg
Package Level 2 Height:	210 mm
Package Level 2 Length:	395 mm
Package Level 2 Units:	4 piece
Package Level 2 Width:	280 mm
Phase Loss Sensitive:	Yes
Pollution Degree:	3
Power Loss:	at Rated Operating Conditions per Pole 3.8 ... 6.9 W
Product Frame Size:	5
Product Main Type:	TA200DU
Product Name:	Thermal Overload Relay

Product Net Depth:	126 mm
Product Net Height:	151 mm
Product Net Weight:	0.77 kg
Product Net Width:	104 mm
RMRS Certificate:	1SAA941000-0703
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
Rated Operational Current (I_e):	175 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 AC-3 (I_e):	175 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
Rated Operational Voltage:	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC
Recommended Screw Driver:	Auxiliary Circuit Pozidriv 2 Main Circuit Open Bars
Resistance to Shock acc. to IEC 60068-2-27:	11 ms Pulse 12g
RoHS Date:	0317
RoHS Information:	1SAA941003-4404
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Selling Unit of Measure:	piece
Setting Range:	130 ... 175 A
Short Description:	TA200DU-175 Thermal Overload Relay
Short-Circuit Protective Devices:	Auxiliary Circuit - gG Type Fuses 6 A
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Suitable For:	A145 A185 AF145 AF185 AF100

AF190
AF205

Suitable for Product Class:	Block Contactors
Terminal Type:	Screw Terminals
Tightening Torque:	Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 25 N·m
Tightening Torque UL/CSA:	Auxiliary Circuit 12 in·lb Main Circuit 220 in·lb
Trip Class:	10A
UL Certificate:	UL_E48139 1SAA938001-1604
UNSPSC:	39121521
Wire Stripping Length:	Auxiliary Circuit 9 mm
cUL Certificate:	cUL_E48139
eClass:	7.0 27371501

