PRODUCT-DETAILS

TA200DU-175

TA200DU-175 Thermal Overload Relay



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.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	1SBC100173C0201
Instructions and Manuals	2CDC106028M6802
Time-Current Characteristic Curve	1SAZ400502F0005

Dimension Diagram	1SAZ400401F0001

Dimensions

Product Net Width	104 mm
Product Net Height	151 mm
Product Net Depth / Length	126 mm
Product Net Weight	0.77 kg

Technical

Setting Range	130 ... 175 A
Rated Operational Voltage	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC
Rated Operational Current (I_e)	175 A
Rated Operational Current AC-3 (I_e)	175 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	Hole Diameter > 10 mm²

Main Circuit	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 3.8 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
Ampere Rating UL/CSA	175 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

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

Certificates and Declarations (Document Number)

ABS Certificate	1SAA941000-0102
BV Certificate	1SAA941000-0201
CB Certificate	1SAA941004-2003
CQC Certificate	CQC2016010309922936
cUL Certificate	cUL_E48139
Declaration of Conformity - CCC	2020980304001321
Declaration of Conformity - CE	1SAD938517-0043
DNV Certificate	1SAA941000-0304
DNV GL Certificate	1SAA941000-0304
EAC Certificate	1SAA941002-2702

Environmental Information	1SAC200056H0009
GL Certificate	1SAA941000-0304
GOST Certificate	1SAA941000-2704
Instructions and Manuals	2CDC106028M6802
LR Certificate	1SAA941000-0504
RMRS Certificate	1SAA941000-0704
RoHS Information	1SAD938514-0043
Time-Current Characteristic Curve	1SAZ400502F0005
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 Depth / Length	151 mm
Package Level 1 Gross Weight	1.02 kg
Package Level 1 EAN	4013614286056
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	4013614494277

Classifications

Object Classification Code	F
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	V11.0 : 27371501
UNSPSC	39121520
IDEA Granular Category Code (IGCC)	5364 >> Overload relay
E-Number (Finland)	3709361
E-Number (Sweden)	3228708

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
1SAZ401110R0001	DB200 Einzelaufstellung	DB200	1	piece
1SAZ401901R1001	LT200/A Klemmenabdeckung	LT200/A	1	piece
1SFA616162R1014	KPR3-101L Rückstelltaster	KPR3-101L	1	piece

Categories

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

