

General Information

Extended Product Type:	TA75DU-25
Product ID:	1SAZ321201R1001
EAN:	4013614216688
Catalog Description:	TA75DU-25 Thermal Overload Relay
Long Description:	The TA75DU-25 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

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900
EAN:	4013614216688

Dimensions

Product Net Height:	92 mm
Product Net Depth:	111 mm
Product Net Weight:	0.335 kg
Product Net Width:	58 mm

Container Information

Package Level 1 Width:	92 mm
Package Level 1 Height:	109 mm
Package Level 1 Length:	61 mm
Package Level 1 Gross Weight:	0.36 kg
Package Level 2 Units:	24 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:	4013614493829
Package Level 1 Units:	1 piece

Technical

Rated Operational Voltage:	Auxiliary Circuit 440 V DC Auxiliary Circuit 500 V AC Main Circuit 690 V AC
Rated Operational Current (I_e):	25 A
Rated Operational Current AC-3 (I_e):	25 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):	(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 IP10
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:	Flexible with Ferrule 1x 2.5 ... 25 mm ² Flexible with Ferrule 2x 2.5 ... 10 mm ² Rigid 1x 2.5 ... 25 mm ² Rigid 2x 2.5 ... 16 mm ²
Tightening Torque:	Auxiliary Circuit 1 ... 1.3 N·m Main Circuit 4.5 N·m
Wire Stripping Length:	Auxiliary Circuit 9 mm Main Circuit 14 mm
Recommended Screw Driver:	Main Circuit Pozidriv 2
Mounting Position:	Position 1 to 4
Power Loss:	at Rated Operating Conditions per Pole 1.8 ... 3.4 W
Suitable For:	A50 A63 A75 AE50 AE63 AE75
Standards:	IEC/EN 60947-1 IEC/EN 60947-4-1 IEC/EN 60947-5-1 UL 60947-1 UL 60947-4-1
Setting Range:	18 ... 25 A

Environmental

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:	Planned to follow EU Directive 2002/95/EC August 18, 2005 and amendment after 2008 Q1
Ambient Air Temperature:	Operation -25 ... +55 °C Operation Compensated -25 ... +55 °C Storage -40 ... +70 °C

Technical UL/CSA

Ampere Rating UL/CSA:	25 A
Contact Rating UL/CSA:	(NC:) B600 (NO:) C300
Connecting Capacity Main Circuit UL/CSA:	Flexible 1/2x 8-1 AWG Stranded 1/2x 8-1 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 40 in·lb
Maximum Operating Voltage UL/CSA:	Main Circuit 600 V AC

Certificates and Declarations (Document Number)

Data Sheet, Technical Information 1SAZ300501F0001
(Part 2):

Instructions and Manuals:	2CDC106049M6801
ABS Certificate:	1SAA941000-0102
BV Certificate:	1SAA941000-0201
CB Certificate:	1SAA941001-2001
CCC Certificate:	1SAA941003-3805
cUL Certificate:	cUL_E48139
Data Sheet, Technical Information:	1SBC100173C0201
Declaration of Conformity - CE:	1SAD938513-0043
DNV Certificate:	1SAA941000-0303
EAC Certificate:	1SAA941002-2701
GL Certificate:	1SAA941000-0403 1SAA941006-0403
GOST Certificate:	1SAA941000-2704
LR Certificate:	1SAA941000-0504
RMRS Certificate:	1SAA941000-0703
RoHS Information:	1SAA941002-4403
UL Certificate:	UL_E48139 1SAA938001-1604

Classifications

E-nummer:	3228650
ETIM 4:	EC000106 - Thermal overload relay
ETIM 5:	EC000106 - Thermal overload relay
ETIM 6:	EC000106 - Thermal overload relay
eClass:	7.0 27371501
UNSPSC:	39121521
Object Classification Code:	F

