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Detailed information for: TA75DU-52-20

This page contains technical data sheet, documents library and links to offering related to this product. If you require any other information, please contact us using form located at the bottom of the page.

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TA75DU-52-20

General Information

Extended Product Type:

TA75DU-52-20

Product ID:

1SAZ321401R1004

EAN:

4013614377167

Catalog Description:

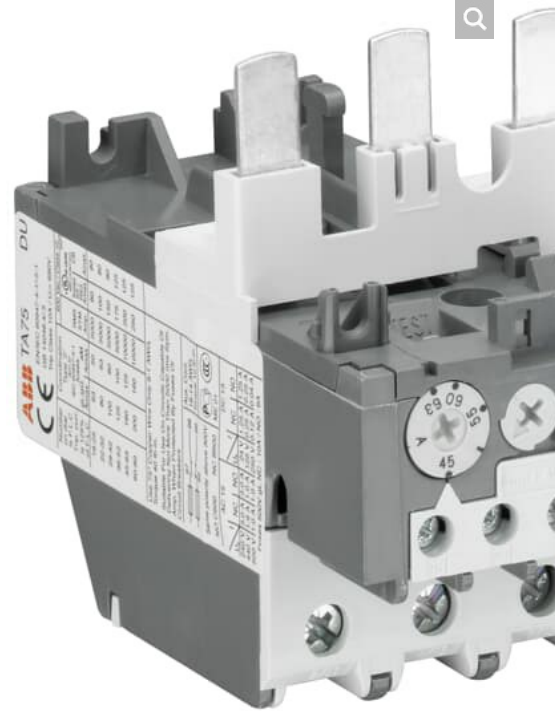
TA75DU-52-20 Thermal Overload Relay

Long Description:

The TA75DU-52-20 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 20. 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

Popular Downloads

Data Sheet, Technical Information:

[1SBC100173C0201](#)

Data Sheet, Technical Information (Part 2):

[1SAZ300502F0004](#)

Instructions and Manuals:

[2CDC106049M6802](#)

Dimension Diagram:

[1SAZ300402F0001](#)

Dimensions

Product Net Width:

58 mm

Product Net Height:

92 mm

Product Net Depth / Length:

111 mm

Product Net Weight:

0.355 kg

Technical

Setting Range:

36 ... 52 A

Rated Operational Voltage:

Auxiliary Circuit 440 V DC

Auxiliary Circuit 500 V AC

Main Circuit 690 V AC

Rated Operational Current (I_e):

52 A

Rated Operational Current AC-3 (I_e):

52 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 mm²
Flexible 1/2x 0.75 ... 2.5 mm²
Rigid 1/2x 0.75 ... 4 mm²
Connecting Capacity Main Circuit:
Flexible with Ferrule 1x 2.5 ... 25 mm²
Flexible with Ferrule 2x 2.5 ... 10 mm²
Rigid 1x 2.5 ... 25 mm²
Rigid 2x 2.5 ... 16 mm²
Tightening Torque:
Auxiliary Circuit 1 ... 1.3 N·m
Main Circuit 4.5 N·m
Wire Stripping Length:
Auxiliary Circuit 9 mm
Main Circuit 12 mm
Recommended Screw Driver:
Auxiliary Circuit Pozidriv 1
Main Circuit Pozidriv 2
Power Loss:
at Rated Operating Conditions per Pole 1.7 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
Technical UL/CSA
Maximum Operating Voltage UL/CSA:
Main Circuit 600 V AC
Ampere Rating UL/CSA:
52 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

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:
[1SAA941001-2001](#)
CQC Certificate:
[CQC2016010309922938](#)
cUL Certificate:
[cUL_E48139](#)
Declaration of Conformity - CCC:
[2020980304001323](#)
Declaration of Conformity - CE:
[1SAD938517-0043](#)
DNV Certificate:
[1SAA941000-0304](#)
DNV GL Certificate:
[1SAA941000-0304](#)
EAC Certificate:
[1SAA941002-2702](#)
GL Certificate:
[1SAA941000-0304](#)
GOST Certificate:
[1SAA941000-2704](#)
Instructions and Manuals:
[2CDC106049M6802](#)
LR Certificate:
[1SAA941000-0504](#)
RMRS Certificate:
[1SAA941000-0704](#)
RoHS Information:
[1SAD938514-0043](#)
UL Certificate:
[UL_E48139](#)

Container Information

Package Level 1 Units:
1 piece
Package Level 1 Width:
92 mm
Package Level 1 Height:
109 mm
Package Level 1 Depth / Length:
61 mm
Package Level 1 Gross Weight:
0.38 kg
Package Level 1 EAN:
4013614377167
Package Level 2 Units:
24 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:
4013614493973

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

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