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ZBT95-50 - Overload relay, ZBT95, Ir= 37 - 50 A, 1 NO, 1 NC, Direct mounting, IP20



190948 ZBT95-50

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190948 ZBT95-50

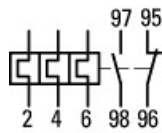
Overload relay, ZBT95, Ir= 37 - 50 A, 1 NO, 1 NC, Direct mounting, IP20

Overload relay, Product range: Overload relay ZBT up to 97 A, Accessories, Accessories: Overload relays, Frame size: ZBT95, Phase-failure sensitivity: IEC/EN 60947, VDE 0660 Part 102, Description: Test/off button, Reset pushbutton manual/auto, Trip-free release, Mounting type: Direct mounting, Auxiliary contacts N/O = Normally open: 1 N/O, Auxiliary contacts N/C = Normally closed: 1 N/C, For use with: DILMT65, DILMT80, DILMT95, Standards: IEC/EN 60947, GB14048, Degree of Protection: IP20

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Delivery program

Product range
Overload relay ZBT up to 97 A
Product range
Accessories
Accessories
Overload relays
Frame size
ZBT95
Phase-failure sensitivity
IEC/EN 60947, VDE 0660 Part 102
Description
Test/off button
Reset pushbutton manual/auto
Trip-free release
Overload trigger: tripping class 10 A
Mounting type
Direct mounting
 [4]
37 - 50 A
Contact sequence



Auxiliary contacts
 NO = Normally open
 1 NO
 NC = Normally closed
 1 NC

For use with
 DILMT65
 DILMT80
 DILMT95

Technical data

General

Standards

IEC/EN 60947, GB14048

Climatic proofing

Damp heat, constant, to IEC 60068-2-78

Damp heat, cyclic, to IEC 60068-2-30

Ambient temperature

Operating range to IEC/EN 60947: -5 - +40 °C

Ambient temperature Open

-25 - +55 °C

Ambient temperature Enclosed

-25 - 40 °C

Temperature compensation

Continuous

Weight

0.352 kg

Mechanical shock resistance

10

Sinusoidal

Shock duration 10 ms g

Degree of Protection

IP20

Protection against direct contact when actuated from front (EN 50274)

Finger and back-of-hand proof

Main conducting paths

Rated impulse withstand voltage [U_{imp}]

6000 V AC

Overvoltage category/pollution degree

III/3

Rated insulation voltage [U_i]

690 V

Rated operational voltage [U_e]

690 V AC

Safe isolation to EN 61140 Between auxiliary contacts and main contacts

440 V AC

Safe isolation to EN 61140 Between main circuits

440 V AC

Terminal capacities Solid

1 x (2.5 - 16)

2 x (2.5 - 16) mm²

Terminal capacities Flexible with ferrule

1 x (2.5 - 16)

2 x (2.5 - 16) mm²

Tightening torque

2.5 Nm

Stripping length

14 mm

Tools Pozidriv screw driver

0 Size

Auxiliary and control circuits

Rated impulse withstand voltage [U_{imp}]

4000 V

Overvoltage category/pollution degree

III/3

Terminal capacitiesSolid

1 x (0.75 - 2.5) mm²

Terminal capacitiesFlexible with ferrule

1 x (0.75 - 2.5) mm²

Tightening torque

0.8 Nm

Stripping length

0 mm

ToolsPozidriv screw driver

2 Size

ToolsStandard screw driver

1 x 6 mm

Rated insulation voltage [U_i]

690 V AC

Rated operational voltage [U_e]

690 V AC

Conventional thermal current [I_{th}]

10 A

Rated operational current [I_e]AC-15Make contact120 V [I_e]

1.5 A

Rated operational current [I_e]AC-15Make contact220 V 230 V 240 V [I_e]

1.4 A

Rated operational current [I_e]AC-15Make contact380 V 400 V 415 V [I_e]

1.9 A

Rated operational current [I_e]AC-15Make contact500 V [I_e]

0.5 A

Rated operational current [I_e]AC-15Break contact120 V [I_e]

1.5 A

Rated operational current [I_e]AC-15Break contact220 V 230 V 240 V [I_e]

1.5 A

Rated operational current [I_e]AC-15Break contact380 V 400 V 415 V [I_e]

1.9 A

Rated operational current [I_e]AC-15Break contact500 V [I_e]

1.4 A

Rated operational current [I_e]DC L/R □ 15 ms

Switch-on and switch-off conditions based on DC-13, time constant as specified.

Rated operational current [I_e]DC L/R □ 15 ms24 V [I_e]

0.9 A

Rated operational current [I_e]DC L/R □ 15 ms60 V [I_e]

0.75 A

Rated operational current [I_e]DC L/R □ 15 ms110 V [I_e]

0.55 A

Rated operational current [I_e]DC L/R □ 15 ms220 V [I_e]

0.27 A

Short-circuit rating without weldingmax. fuse

6 A gG/gL

Notes

Notes

Ambient air temperature: Operating range to IEC/EN 60947, PTB: -5°C to +55°C

Main circuits terminal capacity solid and flexible conductors with ferrules: When using 2 conductors use equal cross-sections.

Design verification as per IEC/EN 61439

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+55 °C

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Thermal overload relay (EC000106)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Overload protection device / Thermal overload relay (ecl@ss10.0.1-27-37-15-01 [AKF075014])

Adjustable current range

37 - 50 A

Max. rated operation voltage U_e

690 V

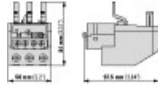
Mounting method

Direct attachment
 Type of electrical connection of main circuit
 Screw connection
 Number of auxiliary contacts as normally closed contact
 1
 Number of auxiliary contacts as normally open contact
 1
 Number of auxiliary contacts as change-over contact
 0
 Release class
 CLASS 10 A
 Reset function input
 No
 Reset function automatic
 Yes
 Reset function push-button
 Yes

Approvals

Specially designed for North America
 No

Dimensions

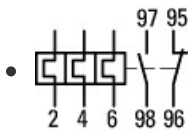


Product photo



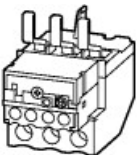
2300PIC-19
 Photo

Wiring diagram



230S002
 Line drawing
 Overload relay circuit symbol

3D drawing



2300DRV-62
 Line drawing

Dimensions single product



2300DIM-17
 Line drawing

Declaration of Conformity

EU

- [Eaton-AC Contactors; Control Relay; Auxiliary Contact \(DA-DC-00003681\)](#)
Asset
(PDF)

Standards

- 
000Z153
Logo
xStart logo

CAD data

edz files

- [DA-CE-ETN.ZBT95-50](#)
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