Specifications

Eaton 206929

Catalog Number: 206929

Eaton Moeller® series UTI Control transformer, 1 kVA, Rated input voltage 208 – 600 V, Rated output voltage 2 x 115 V



General specifications

Product Name
Eaton Moeller® series UTI Control transformer

Catalog Number
206929

EAN
4015082069292

Product Length/Depth
150 mm

Product Height
150 mm

Product Width
151 mm

Product Weight
13.4 kg

Certifications
UL Recognized
CSA-C22.2 No. 66.1-06
CSA-C22.2 No. 66.2-06
VDE 0570 Part 2-2/2-6 (safety transformer)
UL report applies to both US and Canada
UL 506
IEC/EN 61558-2-2/2-4/2-6
VDE 0113, VDE 0100 Part 410
IEC/EN 61558-2-2
UL 5085-2
VDE 0550
UL5085-1
CSA-C22.2 No. 66
Certified by UL for use in Canada
VDE 0570 Part 2-4 (isolating transformer)
IEC/EN 60204-1, ÖVE-EN 13
UL File No.: E167225

Catalog Notes
Electrical characteristics: all details for no-load loss, short-circuit loss (copper losses), short-circuit voltage and efficiency values relate to a temperature of 20 °C

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Features & Functions

Features

Reinforced insulation

Fully Vacuum-impregnated

Separate windings

General

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

40 °C

Connection type

Terminations

Duty factor

100 %

Insulation class

B

Primary tapping

± 20 %

Product category

Single-phase UTI multi-winding transformers

Suitable for

Branch circuits, (UL/CSA)

Electrical rating

Efficiency

92.9 %

No-load losses

46 W

Rated frequency - min

50 Hz

Rated frequency - max

60 Hz

Rated power

1 VA

Relative short-circuit voltage

2.1 %

Short-circuit losses

30 W

Voltage rating - max

600 V

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

76 W

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

10.8 Connections for external conductors

Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

10.10 Temperature rise

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

10.11 Short-circuit rating

Resources

Application notes

eaton-transformer-stz-sti-stn-dtz-uti-ap009002-en-us.pdf

Brochures

eaton-transformers-brochure-br009002en-en-us.pdf

Catalogs

eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf

Declarations of conformity

DA-DC-00004450.pdf

DA-DC-00004418.pdf

Drawings

eaton-general-transformer-uti-control-transformer-dimensions-007.eps

eCAD model

DA-CE-ETN.UTI1,0-115

mCAD model

DA-CS-uti1_0_115

DA-CD-uti1_0_115

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

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