Specifications

Eaton 199740



Catalog Number: 199740

Eaton easyE Remote Touch Display, Standard, 24 V DC, 4.3 inch, TFTcolor, resistive, 480x272 px, Ethernet

General specifications

Product Name
Eaton EASY Touch panel

Catalog Number
199740

EAN
7640130098527

Product Length/Depth
136 mm

Product Height
38 mm

Product Width
101 mm

Product Weight
0.206 kg

Compliances
CE Marked
RoHS conform
DNV
Eaton supports the product until its end of life

Certifications
UL File No.: E205091
UL 61010-2-201

Catalog Notes
No PLC function possible

Powering Business Worldwide

Features & Functions

Enclosure material

Insulated material

Fitted with:

Alpha numeric keyboard

Color display

1 x Ethernet 100base-TX/10base-T (built-in interface)

1 x USB host (built-in interface)

General

Degree of protection

IP20, rear (according to EN 60529-1)

Display type

TFT

Standard front with standard membrane (fully enclosed)

Number of colors of the display

64000

Product category

Touch display for easyE4

Screen size (diagonal)

4.3 in

Software

Standard: pre-installed application software which mirrors the display and keypad of an easyE4 base unit. No programming required.

Touch technology

Resistive touch

Touch sensor (glass with foil), Resistive touch protective screen

Used with

EASY-E4

Voltage type

DC

Ambient conditions, mechanical

Shock resistance

15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 18 Impacts

Vibration resistance

According to IEC/EN 60068-2-6

Climatic environmental conditions

Ambient storage temperature - min

-20 °C

Ambient storage temperature - max

60 °C

Environmental conditions

Condensation: prevent with appropriate measures

Electro magnetic compatibility

Voltage dips

5 ms from undervoltage (19.2 V DC)

≤ 10 ms from rated voltage (24 V DC)

Electrical rating

Permissible voltage

18.0 - 31.2 V DC, absolute with ripple

35 V DC (for a duration of < 100 ms)

18 - 31.2 V DC, battery powered (rated operating voltage -25 %/+30 %)

19.2 - 30 V DC, effective (rated operating voltage -20 %/+25 %)

Power consumption

7.2 W

4.7 W

Rated operational voltage

24 V DC (power-supply - safety extra low voltage)

Supply voltage at AC, 50 Hz - min

0 VAC

Supply voltage at AC, 50 Hz - max

0 VAC

Supply voltage at DC - min

19.2 VDC

Supply voltage at DC - max

30 VDC

Communication

Memory capacity

0 kByte

Interfaces

Ethernet (100Base-TX/10Base-T)

USB 2.0 host (not galvanically isolated)

Design verification

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Static heat dissipation, non-current-dependent Pvs

7.2 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

Please enquire

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

Meets the product standard's requirements.

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

Is the panel builder's responsibility.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility.

10.13 Mechanical function

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

Resources

Brochures

easy E4 control relay-brochure

Catalogs

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

Certification reports

Eaton- EASY-RTD-DNV-approval-certificate.pdf

Declarations of conformity

DA-DC-00005000.pdf

DA-DC-00003869.pdf

Installation instructions

eaton-easyE4-programmable-relays-touch-panel-instruction-leaflet-il048015ZU.pdf

Installation videos

Control relay easyE4: The new generation

Video easy E4 control relay

Manuals and user guides

eaton-easy-rtd-product-cybersecurity-guideline-mz048005en-en-us.pdf

MN048027EN

mCAD model

eaton-easy_rtd_dc_43-drawing.dwg

eaton-easy_rtd_dc_43-3d-model.stp

Multimedia

easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator

How to connect the Remote Touch Display EASY-RTD to the easyE4?

Handling of the data logger as a ring buffer with the easyE4 using the ST programming language.

How to process ModbusRTU devices with the EASY-COM-RTU-M1 module on an easyE4?

How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4?

How to connect the easyE4 to the touch panel XV-102 for easy? - 5 Steps

Product notifications

MZ049014EN

Sales notes

eaton-easy-remote-touch-display-flyer-fl048004en-en-us.pdf

eaton-control-relay-easye4-flyer-fl050007en-en-us.pdf

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