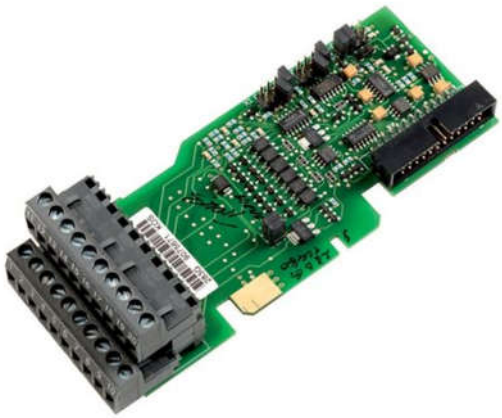
Specifications

Eaton 125054

Catalog Number: 125054

Eaton SPX I/O expansion device
6DI,1DO,2AI(mA/V),1AO(mA/V)+10 V for variable frequency drive
SPX



General specifications

Product Name
Eaton SPX input and output expansion

Catalog Number
125054

EAN
4015081226658

Product Length/Depth
39 mm

Product Height
6 mm

Product Width
22 mm

Product Weight
0.2 kg

Certifications
UL Category Control No.: NMMS, NMMS2, NMMS7. NMMS8
CSA-C22.2 No. 14
IEC/EN61800-5
UL 508C
CE
Certified by UL for use in Canada
IEC/EN61800-3
UL report applies to both US and Canada
UL
UL File No.: E134360

Catalog Notes
The expansion module is plugged into the variable-frequency drive.

Powering Business Worldwide

General

Product Category

Accessories

Suitable for

Branch circuits, (UL/CSA)

Control circuit

Input

6 Digital inputs

2 Analog inputs (mA/V)

Output

1 Analog Output

1 Digital Output

Design verification

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.

10.6 Incorporation of switching devices and components

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

10.7 Internal electrical circuits and connections

Resources

Application notes

Electromagnetic compatibility (EMC)

Connecting drives to generator supplies

SPI - Variable frequency drives with a common DC bus

Catalogs

Product Range Catalog Drives Engineering

Declarations of conformity

DA-DC-00004869.pdf

DA-DC-00004871.pdf

DA-DC-00004866.pdf

DA-DC-00004868.pdf

Drawings

eaton-regulating-equipment-options-spx-output-expansion-3d-drawing.eps

Installation instructions

IL04012011Z2021_04.pdf

Multimedia

Eaton variable frequency drives - Demand more innovation

Eaton variable frequency drives - Demand more expertise

How does a VFD work to save energy and money?

Eaton variable frequency drives - Demand more than good enough

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. 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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