Specifications

# Eaton 125052

## Catalog Number: 125052

Eaton SPX Encoder 3DI(10 - 24 V)Out +15 V/24 V for variable frequency drive SPX



### General specifications

**Product Name**
Eaton SPX encoder

**Catalog Number**
125052

**EAN**
4015081226634

**Product Length/Depth**
39 mm

**Product Height**
6 mm

**Product Width**
22 mm

**Product Weight**
0.2 kg

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

Powering Business Worldwide

## General

### Product Category

Accessories

### Suitable for

Branch circuits, (UL/CSA)

## 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

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.

## Resources

### Application notes

SPI - Variable frequency drives with a common DC bus

Electromagnetic compatibility (EMC)

Connecting drives to generator supplies

### Catalogs

Product Range Catalog Drives Engineering

### Declarations of conformity

DA-DC-00004868.pdf

DA-DC-00004869.pdf

DA-DC-00004866.pdf

DA-DC-00004871.pdf

### Drawings

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

### Installation instructions

IL04012011Z2021_04.pdf

### Multimedia

How does a VFD work to save energy and money?

Eaton variable frequency drives - Demand more innovation

Eaton variable frequency drives - Demand more expertise

Eaton variable frequency drives - Demand more than good enough

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