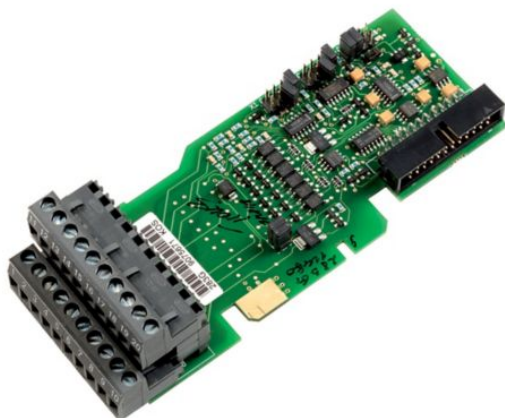


Specifications



Eaton 125055

Eaton SPX I/O expansion device
6DI,1DO,2AI(mA/V),1AO(mA/V); +10 Vref; +24 V/EXT+24 V for variable frequency drives SVX and SPX

General specifications

PRODUCT NAME	Eaton SPX input and output expansion
CATALOG NUMBER	125055
MODEL CODE	OPTA9
EAN	4015081226665
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 UL Category Control No.: NMMS, NMMS2, NMMS7, NMMS8 IEC/EN61800-5 UL File No.: E134360 IEC/EN61800-3 Certified by UL for use in Canada CE UL 508C UL CSA-C22.2 No. 14
CATALOG NOTES	The expansion module is plugged into the variable-frequency drive.



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Control circuit

INPUT	6 Digital inputs 2 Analog inputs (mA/V)
OUTPUT	1 Analog Output 1 Digital Output

Design verification

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.
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	Does not apply, since the

SWITCHING DEVICES AND COMPONENTS	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.

General information

PRODUCT CATEGORY	Accessories
SUITABLE FOR	Branch circuits, (UL/CSA)

Resources

APPLICATION NOTES	Electromagnetic compatibility (EMC) eaton-9000x-spi-common-dc-bus-selection-ap040044-en-us.pdf
CATALOGUES	eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251333en.pdf eaton-accessory-declaration-of-conformity-eu250850en.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

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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