



Output expansion 1RO(NO/NC)1RO(NO) 1 thermistor input for variable frequency drive SVX and SPX

Part no. OPTB2
Article no. 125060
Catalog No. OPTB2

Delivery programme

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|---------------------------------|--|--|---|
| Part group reference (e.g. DIL) | | | SVX SPX |
| Subrange | | | Output expansion |
| Description | | | The expansion module is plugged into the variable-frequency drive. 1 relay output (NO/NC) 1 relay output (NO) 1 Thermistor input |
| For use with | | | SVX, SPX |

Design verification as per IEC/EN 61439

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|--|--|--|--|
| IEC/EN 61439 design verification | | | |
| 10.2 Strength of materials and parts | | | |
| 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties | | | |
| 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. |

Approvals

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| Product Standards | | | UL 508C; CSA-C22.2 No. 14; IEC/EN61800-3; IEC/EN61800-5; CE marking |
| UL File No. | | | E134360 |
| UL Category Control No. | | | NMMS, NMMS2, NMMS7, NMMS8 |
| CSA File No. | | | UL report applies to both US and Canada |
| North America Certification | | | UL listed, certified by UL for use in Canada |
| Specially designed for North America | | | No |
| Suitable for | | | Branch circuits |

Additional product information (links)

IL04012011Z Instructions for Expansion cards for frequency inverter 9000X

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| IL04012011Z Instructions for Expansion cards for frequency inverter 9000X | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04012011Z2012_08.pdf |
| MN04003001Z Manual Option boards for 9000X variable frequency drives | |
| MN04003001Z Handbuch Optionskarten für Frequenzumrichter 9000X - Deutsch | ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04003001Z_DE.pdf |
| CA04020001Z-DE Sortimentskatalog: Antriebstechnik effizient gestalten, Motoren starten und steuern | http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238_de.pdf |