

NMMS2.E140173 - Power Conversion Equipment - Component

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Power Conversion Equipment - Component

BARTA-SCHOENEWALD INC, DBA ADVANCED MOTION CONTROLS

E140173

3805 Calle Tecate
Camarillo, CA 93012-5068 United States

Marking: Company name and model designation.

Note: For additional marking information, refer to the [Guide Information Page](#).

Digital servo amplifiers, Model(s): [DX15C08](#), [DX15CS8](#), [DX15CT8](#), [DX60C08](#)

Filters cards, Model(s): [BFC10010+](#), [BFC10030+](#), [BFC1010+](#), [BFC1030+](#), [BFC15010+](#), [BFC15030+](#), [FC 1010+](#), [FC 1030+](#), [FC10010+](#), [FC10030+](#), [FC15010+](#), [FC15030+](#)

Mounting cards, Model(s): [MC2XZQD](#), [MC4XZGAL](#), [MC4XZGALQD](#), [MC4XZQD](#)

Open type, Industrial, AC Drive, Model(s): [4598-002-9890X](#) where X May be numbers 1-9, may be followed by Revision A-Z

Open type, Industrial, AC Drive, Model(s): [4598-003-0024X](#) where X May be numbers 1-9, may be followed by Revision A-Z

Open type, Industrial, DC Drive, Model(s): [DVC200A100](#), [DVC250A060](#), [DVR200A100](#), [DVR250A060](#)

Open type, Non-industrial, DC Drive, Model(s): [A](#) may be followed by 25A, 30A or 50A, followed by 100 or 200, may be followed by suffixes - Models [AB50A200](#) , [A50A20](#), [AB25A200](#), [A25A200](#), [AB50A100](#), [A50A100](#), [AB30A100](#) and [A30A100](#)

Open type, Non-industrial, DC Drive, Model(s): [AB](#) may be followed by 25A, 30A or 50A, followed by 100 or 200, may be followed by suffixes - Models [AB50A200](#) , [A50A20](#), [AB25A200](#), [A25A200](#), [AB50A100](#), [A50A100](#), [AB30A100](#) and [A30A100](#)

Power Conversion Equipment, Model(s): [4598-009-90491](#), [4598-009-90551](#), [ABDC30A100](#), [ABDC30A200](#), [ABDC50A200](#), [AZBC02](#), [DZCANTS-020L080](#), [DZCANTU-040B080](#), [DZMANTU-040B080](#), [FMKK01](#), [FMP060-25-EM](#), [FMP060-25-IPM](#), [PFC-GC](#), [S7A400GC](#)
[S7A400GC](#)

Power Conversion Equipment, Model(s): [AZ](#) followed by B or BDC, may be followed by E, D, or H, followed by 10, followed by A, followed by 4 or 6, may be followed by revision letters A-Z, may be followed by suffixes.

Power Conversion Equipment, Model(s): [DZCANTE-020L080X-ADH1](#) (X indicates the revision number, A-Z)

Power Conversion Equipment, Model(s): [DZCANTS-060L080](#) may be followed by revision letters A-Z, followed by -AL, may be followed by suffixes.

Power Conversion Equipment, "FlexPro", Model(s): [E](#) followed by E or M, followed by 060, followed by 5, 10, or 25, followed by C, E, R, or IP, followed by M. May be followed by revision letters A-Z, may be followed by suffixes.

Power supplies, Model(s): 3X40ACN+, PS100A+, PS2X3H24#, PS2X3H48#, PS2X3H72#, PS2X3H96#, PS2X3W24#, PS2X3W48#, PS2X3W72#, PS2X3W96#, PS30, PS30A, PS60, PS60A, PSSEH350+

Power supplies, Model(s): PS may be followed by 50, may be followed by A, LV or additional suffixes.

Servo Amplifier Z Series, Model(s): AZ10A20, AZ10A20DDC, AZ20A8, AZ20A8DDC, AZ25A20, AZ25A20DDC, AZ60A8, AZ60A8DDC, AZB10A20, AZB20A8, AZB20A8 Series, AZB25A20, AZB40A8 Series, AZB40A8, AZ40A8, AZBDC40A8, AZ40A8DDC, AZB60A8, AZBDC10A20, AZBDC20A8, AZBDC25A20, AZBDC60A8, AZBE10A20, AZBE60A8, AZBH10A20, AZBH20A8, AZBH20A8 Series, AZBH40A8, AZBH40A8 Series, AZBH60A8, AZXB15A8, AZXBDC15A8, AZXB25A8, AZXB8A8, AZXBDC8A8, AZXBDC25A8, AZXBH25A8, AZXBH8A8, DZCANTE-010L200, DZCANTE-012L080, DZCANTE-020L080, DZCANTE-025L200, DZCANTE-040L080, DZCANTE-060L080, DZEANTU-020B080, DZEANTU-020B200, DZEANTU-40B080, DZPANTU-020B080, DZPANTU-020B200, DZPANTU-040B080, DZRALTE-010L200, DZRALTE-012L080, DZRALTE-020L080, DZRALTE-025L200, DZRALTE-040L080, DZRALTE-060L080, DZSANTU-020B080, DZSANTU-020B200, DZSANTU-040B080, DZTANTU-020B080, DZTANTU-020B200, DZTANTU-040B080, DZXCANTE-008L080, DZXCANTE-015L080, DZXCANTE-040L080, DZXRALTE-008L080, DZXRALTE-015L080, DZXRALTE-040L080

Servo Amplifier Z Series, Model(s): AZBH25A20, AZBE40A8, AZBE25A20, AZBE25A8

Servo Amplifier Z Series, Model(s): AZXBH15A8, AZBE20A8, AZXB8A8, AZXB15A8

Servo amplifiers, Model(s): 100A25DD+, 100A25I+, 100A40DD+, 100A40I+, 10A5X6+, 10A8+, 120A10#, 16A20AC, 16A20DDAC, 25A20, 25A20DD, 30A20AC, 30A20DDAC, 30A20LT, 30A20LTAC, 30A8, 30A8DD, 30AKNS+, 3XSE15ACN+, 3XSE40ACN+, 40ACN, 40ACNG, 50A17WMD, 50A20, 50A20DD, 50A8, 50A8DD, 50A8LT, 50ACML, 60ACN, B100A20DD+, B100A20I+, B100A40ACDD+, B100A40ACI+, B100A40DD+, B100A40I+, B100A8DD+, B100A8I+, B12A6, B12A6P, B12CAM, B15A20, B15A8, B15A8AF, B15AHK, B25A20, B25A20AC, B25A20FAC, B25A40, B25A40AC, B25ABPCC, B2X10SPE#, B30A40#, B30A8, B40A20, B40A40ACDD+, B40A40ACI+, B40A40DD+, B40A40I+, B40A8, B40ACML, B60A40#, B60A40AC#, BD15A8, BD25A20, BD25A20AC, BD30A8, BD40A20, BD40A8, BDC30A80, BDC40A20, BE12A6, BE15A8, BE25A20, BE25A20AC, BE25A40, BE25A40AC, BE30A8, BE40A20, BE40A8, BEX25A20, BEX25A20AC, BEX30A8, BH15A8, BX15A20, BX25A20, BX25A20AC, BX30A8, MC1X510+, MC2X510+, MC3X510+, MF1X510+, MF2X510+, MF3X510+, PC3X+, S100A20DD+, S100A20I+, S100A40ACDD+, S100A40ACI+, S100A40DD+, S100A40I+, S10A40#, S10A40AC#, S16A8+, S25A20, S25A20AC, S25A40, S25A40AC, S30A40#, S30A40AC#, S30A8, S40A20, S40A40ACDD+, S40A40ACI+, S40A40DD+, S40A40I+, S40A8, S60A40#, S60A40AC#, SE100A40ACDD+, SE100A40ACI+, SE100A40DD+, SE100A40I+, SE10A20#, SE10A20AC#, SE10A40#, SE10A40AC#, SE10A8#, SE10A8AC#, SE15ACN+, SE25A40ACDD+, SE25A40ACI+, SE25A40DD+, SE25A40I+, SE30A20#, SE30A20AC#, SE30A40#, SE30A40AC#, SE30A8#, SE30A8AC#, SE40ACN+, SR100A40ACDD+, SR100A40ACI+, SR100A40DD+, SR100A40I+, SR10A40#, SR10A40AC#, SR25A40ACDD+, SR25A40ACI+, SR25A40DD+, SR25A40I+, SR30A40#, SR30A40AC#, SR60A40#, SR60A40AC#, SX25A20, SX30A80, VE150A+

Servo Amplifiers, Model(s): 84855104, A12A0600, A12A100, A15A100, A20A200, A20A200X-VLF1, A25A100, AB12A060, AB12A100, AB15A100, AB20A200, AB25A100

Servo amplifiers, "25 A Series", Model(s): 12A8, 20A14, 20A20, 25A8, 4598-003-29421

Servo amplifiers, "Z Series", Model(s): AZ12A8*, AZ12A8DDC*, AZ6A8*, AZ6A8DDC*, AZB12A8*, AZB6A8*, AZBDC12A8*, AZBDC6A8*, DZCANTE-012L080*, DZRALTE-012L080* and model 45980053568, Z12A8*, Z6A6*, ZB12A8*, ZB6A6*, ZBDC12A8*, ZBDC6A6*, ZBE12A8*, ZBE6A6*, ZBH12A8*, ZBH6A6*, ZDR300EE12A8LDC*, ZDRC300EE12A8LDC*

servo digital amplifier, Model(s): 4598-001-8889(X where X May be numbers 1-9, may be followed by Revision A-Z power board part no. PPD20A8

Servo digital amplifier, Model(s): AB100C200, AB125A200, AB200A100, AB250A060, AVB100C200, AVB125A200, AVB200A100, AVB250A060, PLA30A80, PLA60A80 and PLA100A80, PWRCP

servo digital amplifier assembly, Model(s): 4522-090-22891, 4522-090-22892, 4522-090-22901, 4598-001-96611, 4598-001-96621, 4598-001-96622, PLS15A40SFA

Servo digital amplifiers, Model(s): 4522-090-22861* Series, B030A400AC*, B040A400AC*, B050A400AC*, B060A400AC*, B100A400AC may be followed by suffixes.

Servo digital amplifiers, Model(s): AA may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or

LAC.

Servo digital amplifiers, Model(s): DC may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DP may be followed by C, E, Q, P, R or T, may be followed by AN, AL, AH, NL, NH or NN, followed by I or T, followed by E, R, A, S, or U, followed by "-", followed by 015, 015S, 020, 025, 030, 040, 060, 0100 or 130, followed by A, N, B, L, D, or S, followed by 080, 200, or 400 may be followed by suffixes.

Servo digital amplifiers, Model(s): DQ may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DR may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DRC may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DRQ may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DU may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DUC may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DV may be followed by C, E, Q, P, R or T, may be followed by AN, AL, AH, NL, NH or NN, followed by I or T, followed by E, R, A, S, or U, followed by "-", followed by 015, 015S, 020, 025, 030, 040, 060, 0100 or 130, followed by A, N, B, L, D, or S, followed by 080, 200, or 400 may be followed by suffixes.

Servo digital amplifiers, Model(s): DZ may be followed by C, E, Q, P, R or T, may be followed by AN, AL, AH, NL, NH or NN, followed by I or T, followed by E, R, A, S, or U, followed by "-", followed by 015, 015S, 020, 025, 030, 040, 060, 0100 or 130, followed by A, N, B, L, D, or S, followed by 080, 200, or 400, may be followed by suffixes.

Shunt regulators, Model(s): SRST135*, SRST175*, SRST185*, SRST330*, SRST380*, SRST400*, SRST50*, SRST55*, SRST57*, SRST70*, SRST80*, SRST90*

Last Updated on 2022-01-10

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NMMS2.GuidelInfo - Power Conversion Equipment - Component

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Power Conversion Equipment - Component

See General Information for Motor Controllers - Component

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UL.

GENERAL

This category covers component products that supply power to and control a motor or motors operating at a frequency or voltage different than the input supply voltage. This category also covers power-supply modules, input and output modules, dynamic braking modules and accessory kits for power conversion equipment. Power conversion equipment incorporating overload protection for motors and not intended for remote or external motor overload protection are marked to indicate the level of protection provided in percent of full load current. Where such protection is adjustable, a marking with instructions for adjustment is provided. Equipment not providing motor overload protection is marked to indicate motor protection such as thermal overload relays, or a thermally-protected motor must be otherwise provided.

This category does not cover power conversion equipment intended for use in safety-related functions (i.e., functional safety applications).

REBUILT PRODUCTS

This category also covers power conversion equipment that is rebuilt by the original manufacturer or by the Applicant's authorized manufacturer as found in the original product Follow-Up Service Procedure Authorization Page or Addendum to the Follow-Up Service Procedure Authorization Page. Rebuilt power conversion equipment is rebuilt to the extent necessary by disassembly and reassembly using new or reconditioned parts. Rebuilt power conversion equipment is subject to the same requirements as new power conversion equipment, including production-line tests as applicable.

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Reports when these components are employed in the end-use equipment.

RELATED PRODUCTS

Power conversion equipment rated over 1500 V is covered under Power Conversion Equipment, Medium Voltage ([NJIC](#)).

Equipment intended to provide a primary, secondary, or primary and secondary power source to nonspecific loads in parallel or separate from the utility is investigated in accordance with [UL 1741](#), "Inverters, Converters, Controllers and Interconnection System Equipment for Use with Distributed Energy Resources," and covered under Static Inverters and Converters for Use in Independent Power Systems ([QIKH](#)). Examples of this equipment are utility interactive, stand-alone, and multimode inverters and converters.

Products in which industrial-use power conversion equipment is integrated with a motor may be covered under Electronically Protected Motors with Integral Controllers for Industrial Use ([XDNZ2](#)).

ADDITIONAL INFORMATION

For additional information, see Motor Controllers ([NJOT2](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is [UL 508C](#), "Power Conversion Equipment," or [UL 61800-5-1](#), "Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements - Electrical, Thermal and Energy."

UL MARKING

Components Recognized under UL's Component Recognition Program are identified by significant markings consisting of the Recognized company's identification and catalog, model, or other product designation that correspond with the marking specified in UL's published records. Only those components that actually bear the "Marking" shown in the individual Recognitions should be considered as being covered under the Component Recognition Program.

For rebuilt products, the word "Rebuilt," "Refurbished" or "Remanufactured" precedes the product name.

The Listing or Classification Mark of UL is not authorized for use on, or in connection with, Recognized Components.

UL, in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental or consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Guide Information.

Last Updated on 2013-05-30

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NMMS8.E140173 - Power Conversion Equipment Certified for Canada - Component


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Power Conversion Equipment Certified for Canada - Component

BARTA-SCHOENEWALD INC, DBA ADVANCED MOTION CONTROLS

E140173

3805 Calle Tecate
Camarillo, CA 93012-5068 United States

Marking: Company name model designation, and the Recognized Component Mark for Canada 
Note: For additional marking information, refer to the [Guide Information Page](#).

Digital servo amplifiers, Model(s): [DX15C08](#), [DX15CS8](#), [DX15CT8](#), [DX60C08](#)

Filters cards, Model(s): [BFC10010+](#), [BFC10030+](#), [BFC1010+](#), [BFC1030+](#), [BFC15010+](#), [BFC15030+](#), [FC 1010+](#), [FC 1030+](#), [FC10010+](#), [FC10030+](#), [FC15010+](#), [FC15030+](#)

Mounting cards, Model(s): [MC2XZQD](#), [MC4XZGAL](#), [MC4XZGALQD](#), [MC4XZQD](#)

Open type, Industrial, AC Drive, Model(s): [4598-002-9890X](#) where X May be numbers 1-9, may be followed by Revision A-Z

Open type, Industrial, AC Drive, Model(s): [4598-003-0024X](#) where X May be numbers 1-9, may be followed by Revision A-Z

Open type, Industrial, DC Drive, Model(s): [DVC200A100](#), [DVC250A060](#), [DVR200A100](#), [DVR250A060](#)

Open type, Non-industrial, DC Drive, Model(s): [A](#) may be followed by 25A, 30A or 50A, followed by 100 or 200, may be followed by suffixes - Models [AB50A200](#) , [A50A20](#), [AB25A200](#), [A25A200](#), [AB50A100](#), [A50A100](#), [AB30A100](#) and [A30A100](#)

Open type, Non-industrial, DC Drive, Model(s): [AB](#) may be followed by 25A, 30A or 50A, followed by 100 or 200, may be followed by suffixes - Models [AB50A200](#) , [A50A20](#), [AB25A200](#), [A25A200](#), [AB50A100](#), [A50A100](#), [AB30A100](#) and [A30A100](#)

Power Conversion Equipment, Model(s): [4598-009-90491](#), [4598-009-90551](#), [ABDC30A100](#), [ABDC30A200](#), [ABDC50A200](#), [AZBC02](#), [DZCANTS-020L080](#), [DZCANTU-040B080](#), [DZMANTU-040B080](#), [FMKK01](#), [FMP060-25-EM](#), [FMP060-25-IPM](#), [PFC-GC](#), [S7A400GC](#)
[S7A400GC](#)

Power Conversion Equipment, Model(s): [AZ](#) followed by B or BDC, may be followed by E, D, or H, followed by 10, followed by A, followed by 4 or 6, may be followed by revision letters A-Z, may be followed by suffixes.

Power Conversion Equipment, Model(s): [DZCANTE-020L080X-ADH1](#) (X indicates the revision number, A-Z)

Power Conversion Equipment, Model(s): [DZCANTS-060L080](#) may be followed by revision letters A-Z, followed by -AL, may be followed by suffixes.

Power Conversion Equipment, "FlexPro", Model(s): [E](#) followed by E or M, followed by 060, followed(s) by 5, 10, or 25, followed by C, E, R, or IP, followed by M. May be followed by revision letters A-Z, may be followed by suffixes.

Power supplies, Model(s): 3X40ACN+, PS100A+, PS2X3H24#, PS2X3H48#, PS2X3H72#, PS2X3H96#, PS2X3W24#, PS2X3W48#, PS2X3W72#, PS2X3W96#, PS30, PS30A, PS60, PS60A, PSSEH350+

Power supplies, Model(s): PS may be followed by 50, may be followed by A, LV or additional suffixes.

Servo Amplifier Z Series, Model(s): AZ10A20, AZ10A20DDC, AZ20A8, AZ20A8DDC, AZ25A20, AZ25A20DDC, AZ60A8, AZ60A8DDC, AZB10A20, AZB20A8, AZB20A8 Series, AZB25A20, AZB40A8 Series, AZB40A8, AZ40A8, AZBDC40A8, AZ40A8DDC, AZB60A8, AZBDC10A20, AZBDC20A8, AZBDC25A20, AZBDC60A8, AZBE10A20, AZBE60A8, AZBH10A20, AZBH20A8, AZBH20A8 Series, AZBH40A8, AZBH40A8 Series, AZBH60A8, AZXB15A8, AZXBDC15A8, AZXB25A8, AZXB8A8, AZXBDC8A8, AZXBDC25A8, AZXBH25A8, AZXBH8A8, DZCANTE-010L200, DZCANTE-012L080, DZCANTE-020L080, DZCANTE-025L200, DZCANTE-040L080, DZCANTE-060L080, DZEANTU-020B080, DZEANTU-020B200, DZEANTU-40B080, DZPANTU-020B080, DZPANTU-020B200, DZPANTU-040B080, DZRALTE-010L200, DZRALTE-012L080, DZRALTE-020L080, DZRALTE-025L200, DZRALTE-040L080, DZRALTE-060L080, DZSANTU-020B080, DZSANTU-020B200, DZSANTU-040B080, DZTANTU-020B080, DZTANTU-020B200, DZTANTU-040B080, DZXCANTE-008L080, DZXCANTE-015L080, DZXCANTE-040L080, DZXRALTE-008L080, DZXRALTE-015L080, DZXRALTE-040L080

Servo Amplifier Z Series, Model(s): AZBH25A20, AZBE40A8, AZBE25A20, AZBE25A8

Servo Amplifier Z Series, Model(s): AZXBH15A8, AZBE20A8, AZXBE8A8, AZXBE15A8

Servo amplifiers, Model(s): 100A25DD+, 100A25I+, 100A40DD+, 100A40I+, 10A5X6+, 10A8+, 120A10#, 16A20AC, 16A20DDAC, 25A20, 25A20DD, 30A20AC, 30A20DDAC, 30A20LT, 30A20LTAC, 30A8, 30A8DD, 30AKNS+, 3XSE15ACN+, 3XSE40ACN+, 40ACN, 40ACNG, 50A17WMD, 50A20, 50A20DD, 50A8, 50A8DD, 50A8LT, 50ACML, 60ACN, B100A20DD+, B100A20I+, B100A40ACDD+, B100A40ACI+, B100A40DD+, B100A40I+, B100A8DD+, B100A8I+, B12A6, B12A6P, B12CAM, B15A20, B15A8, B15A8AF, B15AHK, B25A20, B25A20AC, B25A20FAC, B25A40, B25A40AC, B25ABPCC, B2X10SPE#, B30A40#, B30A8, B40A20, B40A40ACDD+, B40A40ACI+, B40A40DD+, B40A40I+, B40A8, B40ACML, B60A40#, B60A40AC#, BD15A8, BD25A20, BD25A20AC, BD30A8, BD40A20, BD40A8, BDC30A80, BDC40A20, BE12A6, BE15A8, BE25A20, BE25A20AC, BE25A40, BE25A40AC, BE30A8, BE40A20, BE40A8, BEX25A20, BEX25A20AC, BEX30A8, BH15A8, BX15A20, BX25A20, BX25A20AC, BX30A8, MC1X510+, MC2X510+, MC3X510+, MF1X510+, MF2X510+, MF3X510+, PC3X+, S100A20DD+, S100A20I+, S100A40ACDD+, S100A40ACI+, S100A40DD+, S100A40I+, S10A40#, S10A40AC#, S16A8+, S25A20, S25A20AC, S25A40, S25A40AC, S30A40#, S30A40AC#, S30A8, S40A20, S40A40ACDD+, S40A40ACI+, S40A40DD+, S40A40I+, S40A8, S60A40#, S60A40AC#, SE100A40ACDD+, SE100A40ACI+, SE100A40DD+, SE100A40I+, SE10A20#, SE10A20AC#, SE10A40#, SE10A40AC#, SE10A8#, SE10A8AC#, SE15ACN+, SE25A40ACDD+, SE25A40ACI+, SE25A40DD+, SE25A40I+, SE30A20#, SE30A20AC#, SE30A40#, SE30A40AC#, SE30A8#, SE30A8AC#, SE40ACN+, SR100A40ACDD+, SR100A40ACI+, SR100A40DD+, SR100A40I+, SR10A40#, SR10A40AC#, SR25A40ACDD+, SR25A40ACI+, SR25A40DD+, SR25A40I+, SR30A40#, SR30A40AC#, SR60A40#, SR60A40AC#, SX25A20, SX30A80, VE150A+

Servo Amplifiers, Model(s): 84855104, A12A0600, A12A100, A15A100, A20A200, A20A200X-VLF1, A25A100, AB12A060, AB12A100, AB15A100, AB20A200, AB25A100

Servo amplifiers, "25 A Series", Model(s): 12A8, 20A14, 20A20, 25A8, 4598-003-29421

Servo amplifiers, "Z Series", Model(s): AZ12A8*, AZ12A8DDC*, AZ6A8*, AZ6A8DDC*, AZB12A8*, AZB6A8*, AZBDC12A8*, AZBDC6A8*, DZCANTE-012L080*, DZRALTE-012L080* and model 45980053568, Z12A8*, Z6A6*, ZB12A8*, ZB6A6*, ZBDC12A8*, ZBDC6A6*, ZBE12A8*, ZBE6A6*, ZBH12A8*, ZBH6A6*, ZDR300EE12A8LDC*, ZDRC300EE12A8LDC*

servo digital amplifier, Model(s): 4598-001-8889(X where X May be numbers 1-9, may be followed by Revision A-Z power board part no. PPD20A8

Servo digital amplifier, Model(s): AB100C200, AB125A200, AB200A100, AB250A060, AVB100C200, AVB125A200, AVB200A100, AVB250A060, PLA30A80, PLA60A80 and PLA100A80, PWRCP

servo digital amplifier assembly, Model(s): 4522-090-22891, 4522-090-22892, 4522-090-22901, 4598-001-96611, 4598-001-96621, 4598-001-96622, PLS15A40SFA

Servo digital amplifiers, Model(s): 4522-090-22861* Series, B030A400AC*, B040A400AC*, B050A400AC*, B060A400AC*, B100A400AC may be followed by suffixes.

Servo digital amplifiers, Model(s): AA may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or

LAC.

Servo digital amplifiers, Model(s): DC may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DP may be followed by C, E, Q, P, R or T, may be followed by AN, AL, AH, NL, NH or NN, followed by I or T, followed by E, R, A, S, or U, followed by "-", followed by 015, 015S, 020, 025, 030, 040, 060, 0100 or 130, followed by A, N, B, L, D, or S, followed by 080, 200, or 400 may be followed by suffixes.

Servo digital amplifiers, Model(s): DQ may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DR may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DRC may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DRQ may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DU may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DUC may be followed by 100 thru 299 or 00, may be followed by E, EE, R, RE, S, SE, SE-H or HE, may be followed by 15A, 16A, 20A, 25A, 30A, 40A, 60A or 100, followed by 8, 20 or 40, may be followed by NDC, BDC, LDC, NAC, BAC or LAC.

Servo digital amplifiers, Model(s): DV may be followed by C, E, Q, P, R or T, may be followed by AN, AL, AH, NL, NH or NN, followed by I or T, followed by E, R, A, S, or U, followed by "-", followed by 015, 015S, 020, 025, 030, 040, 060, 0100 or 130, followed by A, N, B, L, D, or S, followed by 080, 200, or 400 may be followed by suffixes.

Servo digital amplifiers, Model(s): DZ may be followed by C, E, Q, P, R or T, may be followed by AN, AL, AH, NL, NH or NN, followed by I or T, followed by E, R, A, S, or U, followed by "-", followed by 015, 015S, 020, 025, 030, 040, 060, 0100 or 130, followed by A, N, B, L, D, or S, followed by 080, 200, or 400, may be followed by suffixes.

Shunt regulators, Model(s): SRST135*, SRST175*, SRST185*, SRST330*, SRST380*, SRST400*, SRST50*, SRST55*, SRST57*, SRST70*, SRST80*, SRST90*

Last Updated on 2022-01-10

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NMMS8.GuidelInfo - Power Conversion Equipment Certified for Canada - Component

Note: We are enhancing our systems and you may notice duplicate entries/missing/outdated data. During this interim period, please contact our Customer Service at <https://www.ul.com/about/locations>.

[Industrial Control Equipment Certified for Canada - Component] (Motor Controllers Certified for Canada - Component) Power Conversion Equipment Certified for Canada - Component

See General Information for Motor Controllers Certified for Canada - Component

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UL.

GENERAL

This category covers component products that supply power to and control a motor or motors operating at a frequency or voltage different than the input supply voltage. This category also covers power-supply modules, input and output modules, dynamic braking modules, and accessory kits for power conversion equipment. Power conversion equipment incorporating overload protection for motors and not intended for remote or external motor overload protection are marked to indicate the level of protection provided in percent of full load current. Where such protection is adjustable, a marking with instructions for adjustment is provided. Equipment not providing motor overload protection is marked to indicate motor protection such as thermal overload relays or a thermally protected motor must be otherwise provided.

This category does not cover power conversion equipment intended for use in safety-related functions (i.e., functional safety applications).

REBUILT PRODUCTS

This category also covers power conversion equipment that is rebuilt by the original manufacturer or by the Applicant's authorized manufacturer as found in the original product Follow-Up Service Procedure Authorization Page or Addendum to the Follow-Up Service Procedure Authorization Page. Rebuilt power conversion equipment is rebuilt to the extent necessary by disassembly and reassembly using new or reconditioned parts. Rebuilt power conversion equipment is subject to the same requirements as new power conversion equipment, including production-line tests as applicable.

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Reports when these components are employed in the end-use equipment.

RELATED PRODUCTS

Equipment intended to provide a primary, secondary, or primary and secondary power source to nonspecific loads in parallel or separate from the utility is covered under Static Inverters and Converters for Use in Independent Power Systems Certified for Canada ([QIKH7](#)). Examples of this equipment are utility interactive, stand-alone, and multimode inverters and converters.

Products in which industrial-use power conversion equipment is integrated with a motor may be covered under Electronically Protected Motors with Integral Controllers for Industrial Use Certified for Canada ([XDNZ8](#)).

ADDITIONAL INFORMATION

For additional information, see Motor Controllers Certified for Canada ([NJOT8](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is CSA-C22.2 No. 274, "Adjustable Speed Drives."

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