

# NMMS.E134261 - Power Conversion Equipment

## Power Conversion Equipment

[See General Information for Power Conversion Equipment](#)

### DANFOSS POWER ELECTRONICS A/S

E134261

ULSNAES 1

6300 GRAASTEN, DENMARK

Trademark and/or Tradename: "E134261", "VLT", "www.danfoss.com",



## Investigated to ANSI/UL 508C

**AC Drive** Model(s) NBU-101, NBU-102, NBU-103, NBU-201, NBU-202, NBU-301, NBU-302, NBU-322

**AC motor controllers, "BFU Type"** Model(s) E05\*, E07\*, E11\*, E15\*, E22\*, E30\*, E40\*

**AC motor controllers, "CRB Type 400V"** Model(s) CRB 307, 315, 330

**AC motor controllers, "FCD Series"** Model(s) FCD302 followed by PK37, PK55, PK75, P1K1, P1K5, P2K2, or P3K0 followed by T4, followed by B, or W, followed by 66 or 69, followed by H1, followed by X or S, followed by X, Y, 1, or 3, followed by X, E, or F, followed by M, N, O, or X, followed by X, E, F, S, M, L or K, followed by X or C, followed by X, E, or F, followed by X, followed by X, followed by X, E, or P followed by X, followed by A, followed by X, 0, L, 8, Y, or N, followed by B, followed by X, R, Z, or U, followed by XXXXX or S067X followed by D, followed by X or 0.

**AC motor controllers, "FCD Type 400V"** Model(s) 303, 305, 307, 311, 315, 322, 330, 335, 340

**AC motor controllers, "PMX Type"** Model(s) C0-7\*, C00\*, C003\*, C1-1\*, C1-5\*, C2-2\*, C3-7\*

**AC motor controllers, "VLT Type"** Model(s) +2803\*, +2805\*, +2807\*, +2811\*, +2815\*, +2822\*, +2830\*, +2840\*, +2855\*, +2875\*, +2880\*, +2881\*, +2882\*

**AC motor controllers** Model(s) 176L8221, 176L8222, 176L8223, 176L8224, 176L8225, ADS102, ADS102, AKD102, AKD102, BXX301, BXX302, CD-302, CD-302, CDS-302, CDS302, CDS303, CDS303

CPE134P11k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P15k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P18k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P2k2 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P3k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P4k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P5k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P7k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CRB302 followed by PK37, PK55, PK75, P1K1, P1K5, P2K2, or P3K0 followed by T4, followed by B, or W, followed by 66 or 69, followed by H1, followed by X or S, followed by X, Y, 1, or 3, followed by X, E, or F, followed by M, N, O, or X, followed by X, E, F, S, M, L or K, followed by X or C, followed by X, E, or F, followed by X, followed by X, followed by X, E, or P followed by X, followed by A, followed by X, 0, L, 8, Y, or N, followed by B, followed by X, R, Z, or U, followed by XXXXX or S067X followed by D, followed by X or 0.

CU-331, CUE202, CUE203, CUE203, DAA102, DAA102, DV-302, DV-302, FC-101, FC-102, FC-103, FC-103, FC-201, FC-202, FC-301, FC-302, FC-322, FC302, FC101, FC322, FWX301, IPC102, IR-301, IR302, IRV-302, IRV302, ITT102, ITT102, IVS102, KSB202, LD-302, LD302/MWU302/CUE202, MWU302, NBU101, NBU102, NBU103, NBU201, NBU202, NBU301, NBU302, NBU322, PNR202, PNR202, TR-200, TR-200, Type 1, Type 12, Type 4X Enclosure, WI-EFC, WI-EFC, WLD-302, WLD302

**AC motor controllers, 24 V External supply options** Model(s) 130B1108/130B1208@

**AC motor controllers, DC to DC Converters** Model(s) 130B1120/130B1209@

**AC motor controllers, Device net communication card options** Model(s) 130B1102/130B1202@

**AC motor controllers, Encoder options** Model(s) 130B1115/130B1215@

**AC motor controllers, MCA 101 Profibus DP V1 options** Model(s) 130B1100/130B1200

**AC motor controllers, MCA 104 DeviceNet options** Model(s) 130B1102/130B1202

**AC motor controllers, MCA 105 Canopen options** Model(s) 130B1103/130B1205

**AC motor controllers, MCA 107AKD LonWorks** Model(s) 130B1169/130B1269

**AC motor controllers, MCA 108 Lonworks options** Model(s) 130B1106/130B1206

**AC motor controllers, MCA 109 BacNet options** Model(s) 130B1144/130B1244

**AC motor controllers, MCA 113 Profibus conv.** Model(s) 130B1245

**AC motor controllers, MCA 114 Profibus conv.** Model(s) 130B1246

**AC motor controllers, MCA 115 TR200 LonWorks** Model(s) 130B1467

**AC motor controllers, MCA 120 Profinet RT** Model(s) 130B1135/130B1235

**AC motor controllers, MCA 121 Ethernet IP options** Model(s) 130B1119/130B1219

**AC motor controllers, MCA 122 Modbus TCP** Model(s) 130B1196/130B1296/130B7344

**AC motor controllers, MCA 140 Modbus RTU Option** Model(s) 130G0229/130G0230

**AC motor controllers, MCB 101 General purpose I/O** Model(s) 130B1125/130B1212

**AC motor controllers, MCB 102 CL Encoder** Model(s) 130B1115/130B1203

**AC motor controllers, MCB 103 Resolver** Model(s) 130B1127/130B1227

**AC motor controllers, MCB 105 Relay card options** Model(s) 130B1110/130B1210

**AC motor controllers, MCB 107 24 V External supply options** Model(s) 130B1108/130B1208

**AC motor controllers, MCB 108 Safety PLC interfaces / MCB RTC Options** Model(s) 130B1120

**AC motor controllers, MCB 109 Analog I/O options** Model(s) 130B1143/130B1243

**AC motor controllers, MCB 110 Real time clocks** Model(s) 130B1142/130B1242

**AC motor controllers, MCB 112 PTC Thermistor card options / MCB112 PTC Relay card option B (60mA/20-28Vdc)** Model(s) 130B1137

**AC motor controllers, MCB 113 Extended relay cards** Model(s) 130B1164/130B1264

**AC motor controllers, MCB 114 Sensor input kits MCB 115 programmable I/O options** Model(s) 130B1166/130B1266/130B1267

**AC motor controllers, MCB 116 TR-200 Real time clocks** Model(s) 130B7463/130B7464/130B7465

**AC motor controllers, MCB 120 RTC Option** Model(s) 130B1138/130B1140

**AC motor controllers, MCB 121 RTC Option** Model(s) 130B1141/130B1139

**AC motor controllers, MCB 150 NSF Option** Model(s) 130B3180/130B3280

**AC motor controllers, MCB105 Relay cards option B** Model(s) 130B1110

**AC motor controllers, MCF 106 A/B Option Adaptor** Model(s) 130B1230

**AC motor controllers, MCO 102 Adv. Cascade controller options** Model(s) 130B1154/130B1254

**AC motor controllers, MCO 301 IPC102 A-option, Programmable option** Model(s) 134b0047

**AC motor controllers, MCO 305 SyncPos programmable motion controls** Model(s) 130B1134/130B1234

**AC motor controllers, MCO 350 Synchronizing control options** Model(s) 130B1152/130B1252

**AC motor controllers, MCO 352 Center Winder** Model(s) 130B1165/130B1265

**AC motor controllers, MCO 360 VLT SALT control options** Model(s) 130B7611/130B7612

**AC motor controllers, option kits** Model(s) Graphic Display Kit for panel mounting 130B1113

**AC motor controllers, option panel mounting kits (w/o additional display)** Model(s) Type 4X 130B1117

**AC motor controllers, options** Model(s) MCB 122 Encoder Ringspinner, MCB 132 Encoder Positioning, MCB 133 Resolver Positioning, MCO 101 Extended Cascade Control, MCO 104 Electronic Controlled Bypass, MCO 302 Motion Control API, MCO 351

**AC motor controllers, options, MCB105 Relay card option B (2A/250 Vac)** Model(s) 130B1110/130B1210

**AC motor controllers, Positioning control options** Model(s) 130B1153/130B1253

**AC motor controllers, Type 1/IP21 top enclosure kit B3 enclosure option kits** Model(s) 130B1187

**AC motor controllers, Type 1/IP21 top enclosure kit B4 enclosure option kits** Model(s) 130B1189

**AC motor controllers, Type 1/IP21 top enclosure kit C3 enclosure option kits** Model(s) 130B1191

**AC motor controllers, Type 1/IP21 top enclosure kit C4 enclosure option kits** Model(s) 130B1193

**AC motor controllers, Type 1/IP21 top enclosure kit H10 enclosure option kits** Model(s) 132B0221

**AC motor controllers, Type 1/IP21 top enclosure kit H6 enclosure option kits** Model(s) 132B0217

**AC motor controllers, Type 1/IP21 top enclosure kit H7 enclosure option kits** Model(s) 132B0218

**AC motor controllers, Type 1/IP21 top enclosure kit H8 enclosure option kits** Model(s) 132B0219

**AC motor controllers, Type 1/IP21 top enclosure kit H9 enclosure option kits** Model(s) 132B0220

**AC motor controllers, Type 1/IP21/IP4X top enclosure kit A1 enclosures, "FC302"** Model(s) 130B1121

**AC motor controllers, Type 1/IP21/IP4X top enclosure kit A2 enclosures, "FC302"** Model(s) 130B1122

**AC motor controllers, Type 1/IP21/IP4X top enclosure kit A3 enclosures, "FC302"** Model(s) 130B1123

**Accessory Enclosed** Model(s) 132B9110

**Accessory Open type Control Cards** Model(s) 134B1724, 134B1726, 134B1727, 134B1728, 134B1729, 134B1730, 134B1731, 134B1732

**Decoupling kit H10 11kW/15kW** Model(s) 132B0211

**Decoupling kit H6 30kW/37-45kW** Model(s) 132B0207/132B0242

**Decoupling kit H7 55kW/75kW** Model(s) 132B0208/132B0243

**Decoupling kit H8 90kW** Model(s) 132B0209

**Decoupling kit H9 2.2kW-7.5kW** Model(s) 132B0230

**Enclosed, AC Drive** Model(s) FCD315PT4P66EXR1D0F12T12C0, TR-150, TRV200

**Field installable options, Cascade controllers** Model(s) 175Z4455

**Field installable options, Fieldbus** Model(s) 175Z4362, 195N2100

**Field installable options, Positionings and controllers** Model(s) 175Z3055, 175Z3057, 175Z4458, 175Z4459

**Field installable options, Profibus** Model(s) 175L 3669

**Field installable options, Relay cards (4 relay)** Model(s) 175Z4453, 175Z4454

**Field installable options, Synchronization and positionings** Model(s) 175Z3053, 175Z3056, 175Z4456, 175Z4457

**Field installable options, Winders and reels** Model(s) 175Z3245

**LCP H6, H7, H8, H9, H10** Model(s) 132B0200

**LCP panel mounting kit** Model(s) 132B0201

**LCP process kits** Model(s) HVAC kit

**Motor coil options** Model(s) 195N3110

**Open or enclosed AC motor controllers** Model(s) VLT-2880, VLT-2881, VLT-2882

**Open type input harmonics filters for motor drives** Model(s) 130B1482, 130B1483, 130B1484, 130B1485, 130B1486, 130B1487, 130B1488, 130B1491, 130B1492, 130B1493, 130B1494, 130B1495, 130B1496, 130B1497, 130B1498, 130B1499, 130B1751, 130B1752, 130B1753, 130B1754, 130B1755, 130B1758, 130B1759, 130B1760, 130B1761, 130B1762, 130B1763, 130B1765, 130B1766, 130B1768, 130B1769, 130B3165, 130B3167, 130B5212, 130B5213, 130B5214, 130B5215, 130B5216, 130B5217, 130B5218, 130B5219, 130B5220, 130B5221, 130B5222, 130B5223, 130B5224, 130B5225, 130B5226, 130B5227, 130B5228, 130B5246, 130B5247, 130B5248, 130B5249, 130B5250, 130B5251, 130B5252, 130B5253, 130B5254, 130B5255, 130B5256, 130B5257, 130B5258, 130B5259, 130B5260, 30B1756, 30B1757, 30B1764

**Panel through mounting frame Type 12/3R A5 enclosures** Model(s) 130B1028

**Panel through mounting frame Type 12/3R B1 enclosures** Model(s) 130B1046

**Panel through mounting frame Type 12/3R B2 enclosures** Model(s) 130B1047

**Panel through mounting frame Type 12/3R C1 enclosures** Model(s) 130B1048

**Panel through mounting frame Type 12/3R C2 enclosures** Model(s) 130B1049

**Power Conversion Equipment** Model(s) TR-170

**RFI filters** Model(s) 195N3103

**RFI/LC filters** Model(s) 195L3100, 195L3101, 195N3100, 195N3101

**Trane drives** Model(s) TR1 2811

\* - May be marked differently than table, but within the ratings range indicated

+ - May be prefixed by alternate alphanumeric code.

@ - Limited voltage/current device, construction not specified.

Last Updated on 2020-09-30

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# NMMS2.E134261 - Power Conversion Equipment - Component

## Power Conversion Equipment - Component

[See General Information for Power Conversion Equipment - Component](#)

### **DANFOSS POWER ELECTRONICS A/S**

E134261

ULSNAES 1

6300 GRAASTEN, DENMARK

### **Investigated to ANSI/UL 508C**

**AC Drive, "FCP 106 Series"** Model(s) FCP106 followed by, PK55, PK75, P1k1, P1k5, P2k2, P3k0, P4k0, P5k5, P7k5, NK55, NK75, N1K1, N1K5, N2K2, N3K0, N4K0, N5K5, N7K5, H7K5, followed by T4, followed by C66, followed by H1, followed by F, followed by SSX, followed by AX, A0, followed by X, 0

**AC Motor controllers, "CRB Type 400 V"** Model(s) CRB 307, 315, 330.

**AC Motor controllers, "FCD Ttype 400V"** Model(s) 307

**AC Motor controllers, "FCD Type 400V"** Model(s) 303, 305, 311, 315, 322, 335

**AC Motor controllers, "FCDType 400V"** Model(s) 330

**AC Motor controllers, "FCP 300 Series"** Model(s) FCP305(#), FCP307(#), FCP311(#), FCP315(#), FCP322(#), FCP330(#), FCP340(#), FCP355(#), FCP375(#)

**AC Motor controllers** Model(s) 132B, followed by 9105 or 9110, 132B, followed by 9105, 0332 or 9110, 176L followed by 0671, 0676, 0677 or 0880., 176L8050, 176L8051, 176L8052, 176L8053, 176L8054, 176L8055, 176L8056

**AC motor controllers** Model(s) CPE134P1k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P22k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

**AC Motor controllers** Model(s) X13170922010, X13170923010, X13170923020, X13170923030, X13170923040, X13170924010, X13171849001, X13171851001, X13171851002, X13171852001, X13171852002, X13171853001, X13171853002, X13171854001

**AC Motor controllers for installation box, "FCD 302 Series Inverters"** Model(s) R or T

**AC Motor controllers, LCP Units** Model(s) 130B followed by 4691, 4692, 4693, 4694, 4695, 4696, 4697, 4698, 4699, 4700, 5095, 5096, 5097, 5098, 5099, or 7683.

**Accessories** Model(s) 175n1346, 175n1347, 175n1348, 175n1349, 175n1350, 175z2143

**Accessory Installation Box, "FCD or CRB type 400V"** Model(s) Installation Box: 175x0318, 175x0329, 175x0320.

**Accessory Open type, Industrial Mounting Kits** Model(s) 134b0338, 134b0339, 134b0340, 134b0341, 134b0388, 134b0389, 134b0390, 134b0391, 134b0393, 134b0438, 134b0439, 134b0440, 134b0441, 34b0443

**AD SmartBoxes** Model(s) 176L8082 Rev. 1, 176L8082 Rev. 2

**Component - Power Conversion Equipment: Control card part nos.** Model(s) 195N2096, 195N2131, 195N2132, 195N2133, 195N2134, 195N2173, 195N2176, 195N2345, 195N2353, 195N2355, 195N2363, 195N237

**Control card part nos** Model(s) 130b7790, 130b7791, 134b7049, 175G0117, 175G0118

**Control card part nos.** Model(s) 195N3931, 195N3932, 195N3933, 195N3934, 195N3945, 195N3953, 195N3955, 195N3963, 195N3973, 195N3974, 195N3976, 195N3996

**Field wiring kits- accessories for panel mounting** Model(s) 175N2207

**Motor controllers Intelliflo/Intellipro** Model(s) 176L8080\*, 176L8081\*, 176L8083\*, 176L8084\*, 176L8087\*, 176L8088\*, 176L8089\*, 176L81, followed by 2 suffixes.

**Open type input harmonics filters for motor drives** Model(s) 130B1770, 130B1771, 130B1772, 130B1773, 130B1774, 130B1775, 130B1776, 130B1777, 130B1778, 130B1779, 130B1780, 130B1781, 130B1782, 130B1783, 130B1784, 130B1785, 130B1786, 130B1787, 130B1788, 130B1789, 130B1790, 130B1791, 130B1792, 130B1793, 130B1794, 130B1795, 130B1796, 130B1797, 130B1798, 130B1799, 130B1900, 130B2200, 130B2257, 130B2259, 130B3166, 130B3168, 130B5229, 130B5230, 130B5231, 130B5232, 130B5233, 130B5234,, 130B5235, 130B5236, 130B5237, 130B5238, 130B5239, 130B5240, 130B5241, 130B5242, 130B5243, 130B5244, 130B5245, 130B5261, 130B5262, 130B5263, 130B5264, 130B5265, 130B5266, 130B5267, 130B5268, 130B5269, 130B5270, 130B5271, 130B5272, 130B5273, 130B5274, 130B5275

**Power Conversion Equipment** Model(s) 134b0522, 134b0523, 134b0524, 134b0525, 134b0526, 134b0527, 134b0528, RFI Cards - 134b0517

**Servo Drives** Model(s) Servo Drive Series ISD followed by 510 followed by A or S, followed by T, followed by 01C5, 02C1, 02C9 or 03C8, followed by additional letters and numbers specific to customer's needs.

## Investigated to ANSI/UL 508C (4th ed.)

**AC Motor Controllers** Model(s) 134B followed by 1577 , 6904, 6905 or 0460

## Investigated to UL 61800-5-1

**Power Conversion Equipment, "Servo Drive Series"** Model(s) ISD or DSD followed by 510, followed by A or S, followed by T or C, followed by 01C5, 02C1, 02C9 or 03C8, followed by additional letters and numbers specific to customer needs.

**Power Conversion Equipment** Model(s) PCU-A21HA-036-006 May be followed by additional letters and/or numbers.

PCU-A21HA-036-006+PPCB May be followed by additional letters and/or numbers.

PCU-A21HA-050-006 May be followed by additional letters and/or numbers.

PCU-A21HA-050-006+PPCB May be followed by additional letters and/or numbers.

PCU-A21HA-070-006 May be followed by additional letters and/or numbers.

PCU-A21HA-070-006+PPCB May be followed by additional letters and/or numbers.

PCU-A22HA-100-006 May be followed by additional letters and/or numbers.

PCU-A22HA-100-006+PPCB May be followed by additional letters and/or numbers.

PCU-A22HA-140-006 May be followed by additional letters and/or numbers.

PCU-A22HA-140-006+PPCB May be followed by additional letters and/or numbers.

PCU-A23HA-180-006 May be followed by additional letters and/or numbers.

PCU-A23HA-180-006+PPCB May be followed by additional letters and/or numbers.

PCU-A23HA-215-006 May be followed by additional letters and/or numbers.

PCU-A23HA-215-006+PPCB May be followed by additional letters and/or numbers.

PCU-A24HA-250-006 May be followed by additional letters and/or numbers.

PCU-A24HA-250-006+PPCB May be followed by additional letters and/or numbers.

PCU-A24HA-305-006 May be followed by additional letters and/or numbers.

PCU-A24HA-305-006+PPCB May be followed by additional letters and/or numbers.

PCU-A24HA-350-006 May be followed by additional letters and/or numbers.

PCU-A24HA-350-006+PPCB May be followed by additional letters and/or numbers.

PCU-A25HA-438-006 May be followed by additional letters and/or numbers.

PCU-A25HA-438-006+PPCB May be followed by additional letters and/or numbers.

PCU-A25HA-560-006 May be followed by additional letters and/or numbers.

PCU-A25HA-560-006+PPCB May be followed by additional letters and/or numbers.

PCU-A25HA-680-006 May be followed by additional letters and/or numbers.

PCU-A25HA-680-006+PPCB May be followed by additional letters and/or numbers.

# - Prefixes ATB, HER, VEM, IBC, BUK, KLS, SHI, DAB, MCI and BIT may be used in place of FCP.

\* - Followed by additional suffixes.

Marking: Company name or tradename "E134261" , "VLT" , "www.danfoss.com" or trademark  and model designation.

Last Updated on 2020-09-23

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# NMMS7.E134261 - Power Conversion Equipment Certified for Canada

## Power Conversion Equipment Certified for Canada

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### **DANFOSS POWER ELECTRONICS A/S**

ULSNAES 1  
6300 GRAASTEN, DENMARK

E134261

### **Investigated to CAN/CSA C22.2 No. 274**

**AC Drive** Model(s) NBU-101, NBU-102, NBU-103, NBU-201, NBU-202, NBU-301, NBU-302, NBU-322

**AC motor controllers, "BFU Type"** Model(s) E05\*, E07\*, E11\*, E15\*, E22\*, E30\*, E40\*

**AC motor controllers, "CRB Type 400V"** Model(s) CRB 307, 315, 330

**AC motor controllers, "FCD Series"** Model(s) FCD302 followed by PK37, PK55, PK75, P1K1, P1K5, P2K2, or P3K0 followed by T4, followed by B, or W, followed by 66 or 69, followed by H1, followed by X or S, followed by X, Y, 1, or 3, followed by X, E, or F, followed by M, N, O, or X, followed by X, E, F, S, M, L or K, followed by X or C, followed by X, E, or F, followed by X, followed by X, followed by X, E, or P followed by X, followed by A, followed by X, 0, L, 8, Y, or N, followed by B, followed by X, R, Z, or U, followed by XXXXX or S067X followed by D, followed by X or 0.

**AC motor controllers, "FCD Type 400V"** Model(s) 303, 305, 307, 311, 315, 322, 330, 335, 340

**AC motor controllers, "PMX Type"** Model(s) C0-7\*, C00\*, C003\*, C1-1\*, C1-5\*, C2-2\*, C3-7\*

**AC motor controllers, "VLT Type"** Model(s) +2803\*, +2805\*, +2807\*, +2811\*, +2815\*, +2822\*, +2830\*, +2840\*, +2855\*, +2875\*, +2880\*, +2881\*, +2882\*

**AC motor controllers** Model(s) 176L8221, 176L8222, 176L8223, 176L8224, 176L8225, ADS102, ADS102, AKD102, AKD102, BXX301, BXX302, CD-302, CD-302, CDS-302, CDS302, CDS303, CDS303

CRB302 followed by PK37, PK55, PK75, P1K1, P1K5, P2K2, or P3K0 followed by T4, followed by B, or W, followed by 66 or 69, followed by H1, followed by X or S, followed by X, Y, 1, or 3, followed by X, E, or F, followed by M, N, O, or X, followed by X, E, F, S, M, L or K, followed by X or C, followed by X, E, or F, followed by X, followed by X, followed by X, E, or P followed by X, followed by A, followed by X, 0, L, 8, Y, or N, followed by B, followed by X, R, Z, or U, followed by XXXXX or S067X followed by D, followed by X or 0.

CU-331, CUE202, CUE203, CUE203, DAA102, DAA102, DV-302, DV-302, FC-101, FC-102, FC-103, FC-103, FC-201, FC-202, FC-301, FC-302, FC-322, FC302, FC101, FC322, FWX301, IPC102, IR-301, IR302, IRV-302, IRV302, ITT102, ITT102, IVS102, KSB202, LD-302, LD302/MWU302/CUE202, MWU302, NBU101, NBU102, NBU103, NBU201, NBU202, NBU301, NBU302, NBU322, PNR202, PNR202, TR-200, TR-200, Type 1, Type 12, Type 4X Enclosure, WI-EFC, WI-EFC, WLD-302, WLD302

**AC motor controllers, 24 V External supply options** Model(s) 130B1108/130B1208@

**AC motor controllers, DC to DC Converters** Model(s) 130B1120/130B1209@

**AC motor controllers, Device net communication card options** Model(s) 130B1102/130B1202@

**AC motor controllers, Encoder options** Model(s) 130B1115/130B1215@

**AC motor controllers, MCA 101 Profibus DP V1 options** Model(s) 130B1100/130B1200

**AC motor controllers, MCA 104 DeviceNet options** Model(s) 130B1102/130B1202

**AC motor controllers, MCA 105 Canopen options** Model(s) 130B1103/130B1205

**AC motor controllers, MCA 107AKD LonWorks** Model(s) 130B1169/130B1269

**AC motor controllers, MCA 108 Lonworks options** Model(s) 130B1106/130B1206

**AC motor controllers, MCA 109 BacNet options** Model(s) 130B1144/130B1244

**AC motor controllers, MCA 113 Profibus conv.** Model(s) 130B1245

**AC motor controllers, MCA 114 Profibus conv.** Model(s) 130B1246

**AC motor controllers, MCA 115 TR200 LonWorks** Model(s) 130B1467

**AC motor controllers, MCA 120 Profinet RT** Model(s) 130B1135/130B1235

**AC motor controllers, MCA 121 Ethernet IP options** Model(s) 130B1119/130B1219

**AC motor controllers, MCA 122 Modbus TCP** Model(s) 130B1196/130B1296/130B7344

**AC motor controllers, MCA 140 Modbus RTU Option** Model(s) 130G0229/130G0230

**AC motor controllers, MCB 101 General purpose I/O** Model(s) 130B1125/130B1212

**AC motor controllers, MCB 102 CL Encoder** Model(s) 130B1115/130B1203

**AC motor controllers, MCB 103 Resolver** Model(s) 130B1127/130B1227

**AC motor controllers, MCB 105 Relay card options** Model(s) 130B1110/130B1210

**AC motor controllers, MCB 107 24 V External supply options** Model(s) 130B1108/130B1208

**AC motor controllers, MCB 108 Safety PLC interfaces / MCB RTC Options** Model(s) 130B1120

**AC motor controllers, MCB 109 Analog I/O options** Model(s) 130B1143/130B1243

**AC motor controllers, MCB 110 Real time clocks** Model(s) 130B1142/130B1242

**AC motor controllers, MCB 112 PTC Thermistor card options / MCB112 PTC Relay card option B (60mA/20-28Vdc)** Model(s) 130B1137

**AC motor controllers, MCB 113 Extended relay cards** Model(s) 130B1164/130B1264

**AC motor controllers, MCB 114 Sensor input kits MCB 115 programmable I/O options** Model(s) 130B1166/130B1266/130B1267

**AC motor controllers, MCB 116 TR-200 Real time clocks** Model(s) 130B7463/130B7464/130B7465

**AC motor controllers, MCB 120 RTC Option** Model(s) 130B1138/130B1140

**AC motor controllers, MCB 121 RTC Option** Model(s) 130B1141/130B1139

**AC motor controllers, MCB 150 NSF Option** Model(s) 130B3180/130B3280

**AC motor controllers, MCB105 Relay cards option B** Model(s) 130B1110

**AC motor controllers, MCF 106 A/B Option Adaptor** Model(s) 130B1230

**AC motor controllers, MCO 102 Adv. Cascade controller options** Model(s) 130B1154/130B1254

**AC motor controllers, MCO 301 IPC102 A-option, Programmable option** Model(s) 134b0047

**AC motor controllers, MCO 305 SyncPos programmable motion controls** Model(s) 130B1134/130B1234

**AC motor controllers, MCO 350 Synchronizing control options** Model(s) 130B1152/130B1252

**AC motor controllers, MCO 352 Center Winder** Model(s) 130B1165/130B1265

**AC motor controllers, MCO 360 VLT SALT control options** Model(s) 130B7611/130B7612

**AC motor controllers, option kits** Model(s) Graphic Display Kit for panel mounting 130B1113

**AC motor controllers, option panel mounting kits (w/o additional display)** Model(s) Type 4X 130B1117

**AC motor controllers, options** Model(s) MCB 122 Encoder Ringspinner, MCB 132 Encoder Positioning, MCB 133 Resolver Positioning, MCO 101 Extended Cascade Control, MCO 104 Electronic Controlled Bypass, MCO 302 Motion Control API, MCO 351

**AC motor controllers, options, MCB105 Relay card option B (2A/250 Vac)** Model(s) 130B1110/130B1210

**AC motor controllers, Positioning control options** Model(s) 130B1153/130B1253

**AC motor controllers, Type 1/IP21 top enclosure kit B3 enclosure option kits** Model(s) 130B1187

**AC motor controllers, Type 1/IP21 top enclosure kit B4 enclosure option kits** Model(s) 130B1189

**AC motor controllers, Type 1/IP21 top enclosure kit C3 enclosure option kits** Model(s) 130B1191

**AC motor controllers, Type 1/IP21 top enclosure kit C4 enclosure option kits** Model(s) 130B1193

**AC motor controllers, Type 1/IP21 top enclosure kit H10 enclosure option kits** Model(s) 132B0221

**AC motor controllers, Type 1/IP21 top enclosure kit H6 enclosure option kits** Model(s) 132B0217

**AC motor controllers, Type 1/IP21 top enclosure kit H7 enclosure option kits** Model(s) 132B0218

**AC motor controllers, Type 1/IP21 top enclosure kit H8 enclosure option kits** Model(s) 132B0219

**AC motor controllers, Type 1/IP21 top enclosure kit H9 enclosure option kits** Model(s) 132B0220

**AC motor controllers, Type 1/IP21/IP4X top enclosure kit A1 enclosures, "FC302"** Model(s) 130B1121

**AC motor controllers, Type 1/IP21/IP4X top enclosure kit A2 enclosures, "FC302"** Model(s) 130B1122

**AC motor controllers, Type 1/IP21/IP4X top enclosure kit A3 enclosures, "FC302"** Model(s) 130B1123

**Accessory Enclosed** Model(s) 132B9110

**Accessory Open type Control Cards** Model(s) 134B1724, 134B1726, 134B1727, 134B1728, 134B1729, 134B1730, 134B1731, 134B1732

**Decoupling kit H10 11kW/15kW** Model(s) 132B0211

**Decoupling kit H6 30kW/37-45kW** Model(s) 132B0207/132B0242

**Decoupling kit H7 55kW/75kW** Model(s) 132B0208/132B0243

**Decoupling kit H8 90kW** Model(s) 132B0209

**Decoupling kit H9 2.2kW-7.5kW** Model(s) 132B0230

**Enclosed, AC Drive** Model(s) FCD315PT4P66EXR1D0F12T12C0, TR-150, TRV200

**Field installable options, Cascade controllers** Model(s) 175Z4455

**Field installable options, Fieldbus** Model(s) 175Z4362, 195N2100

**Field installable options, Positionings and controllers** Model(s) 175Z3055, 175Z3057, 175Z4458, 175Z4459

**Field installable options, Profibus** Model(s) 175L 3669

**Field installable options, Relay cards (4 relay)** Model(s) 175Z4453, 175Z4454

**Field installable options, Synchronization and positionings** Model(s) 175Z3053, 175Z3056, 175Z4456, 175Z4457

**Field installable options, Winders and reelers** Model(s) 175Z3245

**LCP H6, H7, H8, H9, H10** Model(s) 132B0200

**LCP panel mounting kit** Model(s) 132B0201

**LCP process kits** Model(s) HVAC kit

**Motor coil options** Model(s) 195N3110

**Open or enclosed AC motor controllers** Model(s) VLT-2880, VLT-2881, VLT-2882

**Open type input harmonics filters for motor drives** Model(s) 130B1482, 130B1483, 130B1484, 130B1485, 130B1486, 130B1487, 130B1488, 130B1491, 130B1492, 130B1493, 130B1494, 130B1495, 130B1496, 130B1497, 130B1498, 130B1499, 130B1751, 130B1752, 130B1753, 130B1754, 130B1755, 130B1758, 130B1759, 130B1760, 130B1761, 130B1762, 130B1763, 130B1765, 130B1766, 130B1768, 130B1769, 130B3165, 130B3167, 130B5212, 130B5213, 130B5214, 130B5215, 130B5216, 130B5217, 130B5218, 130B5219, 130B5220, 130B5221, 130B5222, 130B5223, 130B5224, 130B5225, 130B5226, 130B5227, 130B5228, 130B5246, 130B5247, 130B5248, 130B5249, 130B5250, 130B5251, 130B5252, 130B5253, 130B5254, 130B5255, 130B5256, 130B5257, 130B5258, 130B5259, 130B5260, 30B1756, 30B1757, 30B1764

**Panel through mounting frame Type 12/3R A5 enclosures** Model(s) 130B1028

**Panel through mounting frame Type 12/3R B1 enclosures** Model(s) 130B1046

**Panel through mounting frame Type 12/3R B2 enclosures** Model(s) 130B1047

**Panel through mounting frame Type 12/3R C1 enclosures** Model(s) 130B1048

**Panel through mounting frame Type 12/3R C2 enclosures** Model(s) 130B1049

**Power Conversion Equipment** Model(s) TR-170

**RFI filters** Model(s) 195N3103

**RFI/LC filters** Model(s) 195L3100, 195L3101, 195N3100, 195N3101

**Trane drives** Model(s) TR1 2811

## Investigated to CAN/CSA C22.2. No. 14-10

**AC motor controllers** Model(s) CPE134P11k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P15k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P18k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P2k2 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P3k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P4k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P5k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P7k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

\* - May be marked differently than table, but within the ratings range indicated

+ - May be prefixed by alternate alphanumeric code.

@ - Limited voltage/current device, construction not specified.

Trademark and/or Tradename: "E134261" , "VLT" , "www.danfoss.com" ,



Last Updated on 2020-09-30

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# NMMS8.E134261 - Power Conversion Equipment Certified for Canada - Component

## Power Conversion Equipment Certified for Canada - Component

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### DANFOSS POWER ELECTRONICS A/S

E134261

ULSNAES 1

6300 GRAASTEN, DENMARK

## Investigated to CAN/CSA C22.2 No. 274

**AC Drive, "FCP 106 Series"** Model(s) FCP106 followed by, PK55, PK75, P1k1, P1k5, P2k2, P3k0, P4k0, P5k5, P7k5, NK55, NK75, N1K1, N1K5, N2K2, N3K0, N4K0, N5K5, N7K5, H7K5, followed by T4, followed by C66, followed by H1, followed by F, followed by SSX, followed by AX, A0, followed by X, 0

**AC Motor controllers, "CRB Type 400 V"** Model(s) CRB 307, 315, 330.

**AC Motor controllers, "FCD Ttype 400V"** Model(s) 307

**AC Motor controllers, "FCD Type 400V"** Model(s) 303, 305, 311, 315, 322, 335

**AC Motor controllers, "FCDType 400V"** Model(s) 330

**AC Motor controllers, "FCP 300 Series"** Model(s) FCP305(#), FCP307(#), FCP311(#), FCP315(#), FCP322(#), FCP330(#), FCP340(#), FCP355(#), FCP375(#)

**AC Motor controllers** Model(s) 132B, followed by 9105 or 9110, 132B, followed by 9105, 0332 or 9110

**AC Motor Controllers** Model(s) 134B followed by 1577 , 6904, 6905 or 0460

**AC Motor controllers** Model(s) 176L followed by 0671, 0676, 0677 or 0880., 176L8050, 176L8051, 176L8052, 176L8053, 176L8054, 176L8055, 176L8056, X13170922010, X13170923010, X13170923020, X13170923030, X13170923040, X13170924010, X13171849001, X13171851001, X13171851002, X13171852001, X13171852002, X13171853001, X13171853002, X13171854001

**AC Motor controllers for installation box, "FCD 302 Series Inverters"** Model(s) R or T

**AC Motor controllers, LCP Units** Model(s) 130B followed by 4691, 4692, 4693, 4694, 4695, 4696, 4697, 4698, 4699, 4700, 5095, 5096, 5097, 5098, 5099, or 7683.

**Accessories** Model(s) 175n1346, 175n1347, 175n1348, 175n1349, 175n1350, 175z2143

**Accessory Installation Box, "FCD or CRB type 400V"** Model(s) Installation Box: 175x0318, 175x0329, 175x0320.

**Accessory Open type, Industrial Mounting Kits** Model(s) 134b0338, 134b0339, 134b0340, 134b0341, 134b0388, 134b0389, 134b0390, 134b0391, 134b0393, 134b0438, 134b0439, 134b0440, 134b0441, 34b0443

**AD SmartBoxes** Model(s) 176L8082 Rev. 1, 176L8082 Rev. 2

**Component - Power Conversion Equipment: Control card part nos.** Model(s) 195N2096, 195N2131, 195N2132, 195N2133, 195N2134, 195N2173, 195N2176, 195N2345, 195N2353, 195N2355, 195N2363, 195N237

**Control card part nos** Model(s) 130b7790, 130b7791, 134b7049, 175G0117, 175G0118

**Control card part nos.** Model(s) 195N3931, 195N3932, 195N3933, 195N3934, 195N3945, 195N3953, 195N3955, 195N3963, 195N3973, 195N3974, 195N3976, 195N3996

**Field wiring kits- accessories for panel mounting** Model(s) 175N2207

**Motor controllers Intelliflo/Intellipro** Model(s) 176L8080\*, 176L8081\*, 176L8083\*, 176L8084\*, 176L8087\*, 176L8088\*, 176L8089\*, 176L81, followed by 2 suffixes.

**Open type input harmonics filters for motor drives** Model(s) 130B1770, 130B1771, 130B1772, 130B1773, 130B1774, 130B1775, 130B1776, 130B1777, 130B1778, 130B1779, 130B1780, 130B1781, 130B1782, 130B1783, 130B1784, 130B1785, 130B1786, 130B1787, 130B1788, 130B1789, 130B1790, 130B1791, 130B1792, 130B1793, 130B1794, 130B1795, 130B1796, 130B1797, 130B1798, 130B1799, 130B1900,

130B2200, 130B2257, 130B2259, 130B3166, 130B3168, 130B5229, 130B5230, 130B5231, 130B5232, 130B5233, 130B5234,, 130B5235, 130B5236, 130B5237, 130B5238, 130B5239, 130B5240, 130B5241, 130B5242, 130B5243, 130B5244, 130B5245, 130B5261, 130B5262, 130B5263, 130B5264, 130B5265, 130B5266, 130B5267, 130B5268, 130B5269, 130B5270, 130B5271, 130B5272, 130B5273, 130B5274, 130B5275

**Power Conversion Equipment, "Servo Drive Series"** Model(s) ISD or DSD followed by 510, followed by A or S, followed by T or C, followed by 01C5, 02C1, 02C9 or 03C8, followed by additional letters and numbers specific to customer needs.

**Power Conversion Equipment** Model(s) 134b0522, 134b0523, 134b0524, 134b0525, 134b0526, 134b0527, 134b0528

PCU-A21HA-036-006 May be followed by additional letters and/or numbers.

PCU-A21HA-036-006+PPCB May be followed by additional letters and/or numbers.

PCU-A21HA-050-006 May be followed by additional letters and/or numbers.

PCU-A21HA-050-006+PPCB May be followed by additional letters and/or numbers.

PCU-A21HA-070-006 May be followed by additional letters and/or numbers.

PCU-A21HA-070-006+PPCB May be followed by additional letters and/or numbers.

PCU-A22HA-100-006 May be followed by additional letters and/or numbers.

PCU-A22HA-100-006+PPCB May be followed by additional letters and/or numbers.

PCU-A22HA-140-006 May be followed by additional letters and/or numbers.

PCU-A22HA-140-006+PPCB May be followed by additional letters and/or numbers.

PCU-A23HA-180-006 May be followed by additional letters and/or numbers.

PCU-A23HA-180-006+PPCB May be followed by additional letters and/or numbers.

PCU-A23HA-215-006 May be followed by additional letters and/or numbers.

PCU-A23HA-215-006+PPCB May be followed by additional letters and/or numbers.

PCU-A24HA-250-006 May be followed by additional letters and/or numbers.

PCU-A24HA-250-006+PPCB May be followed by additional letters and/or numbers.

PCU-A24HA-305-006 May be followed by additional letters and/or numbers.

PCU-A24HA-305-006+PPCB May be followed by additional letters and/or numbers.

PCU-A24HA-350-006 May be followed by additional letters and/or numbers.

PCU-A24HA-350-006+PPCB May be followed by additional letters and/or numbers.

PCU-A25HA-438-006 May be followed by additional letters and/or numbers.

PCU-A25HA-438-006+PPCB May be followed by additional letters and/or numbers.

PCU-A25HA-560-006 May be followed by additional letters and/or numbers.

PCU-A25HA-560-006+PPCB May be followed by additional letters and/or numbers.

PCU-A25HA-680-006 May be followed by additional letters and/or numbers.

PCU-A25HA-680-006+PPCB May be followed by additional letters and/or numbers.

RFI Cards - 134b0517

**Servo Drives** Model(s) Servo Drive Series ISD followed by 510 followed by A or S, followed by T, followed by 01C5, 02C1, 02C9 or 03C8, followed by additional letters and numbers specific to customer's needs.

## Investigated to CAN/CSA C22.2. No. 14-10

**AC motor controllers** Model(s) CPE134P1k5 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

CPE134P22k0 followed by S2 or T2 or T4, followed by V03, followed by H3, followed by X, followed by Y, followed by X, followed by X, followed by X, followed by X or S, followed by SXXX, followed by X, followed by AX, followed by BX, followed by CX, followed by X, followed by XX, followed by DX

# - Prefixes ATB, HER, VEM, IBC, BUK, KLS, SHI, DAB, MCI and BIT may be used in place of FCP.

\* - Followed by additional suffixes.

Marking: Company name or tradename "E134261" , "VLT" , "www.danfoss.com" or trademark  , model designation

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