



# NLRV.E137861 - Motor Controllers, Manual

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## Motor Controllers, Manual

[See General Information for Motor Controllers, Manual](#)

**ABB STOTZ-KONTAKT GMBH**  
EPPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E137861

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Accessory AUXILIARY CONTACTS** Model(s) MAHN, followed by -02, -11, -20, -01, -10, followed by FB, LL or LR.

**Accessory AUXILIARY CONTACTS for MS1x** Model(s) CK1-11; CK1-20; CK1-02; CK1-01; CK1-10 may be followed by L, may be followed by K.

HK1-11; HK1-20; HK1-02; HK1-01; HK1-10 may be followed by L, may be followed by K.

HKF1-11; HKF1-20; HKF1-02; HKF1-01; HKF1-10 may be followed by L, may be followed by K.

SK1-11; SK1-20; SK1-02; SK1-01; SK1-10 may be followed by L, may be followed by K.

**Accessory AUXILIARY CONTACTS for MS325** Model(s) HK-11; HK-20; HK-02; HKF-11; HKF-20; HKF-02; SK-11; SK-20; SK-02; CK-11; CK-20; CK-02

**Accessory SHUNT RELEASE for MS1x** Model(s) AA1-20; AA1-24; AA1-48; AA1-60; AA1-110; AA1-208; AA1-230; AA1-400; AA1-415; AA1-575

**Accessory UNDERVOLTAGE RELEASE for MS1x** Model(s) UA1-20; UA1-24; UA1-48; UA1-60; UA1-110; UA1-208; UA1-230; UA1-400; UA1-415; or UA1-575

**Accessory UNDERVOLTAGE RELEASE for MS325** Model(s) UAF-20; UAF-24; UAF-48; UAF-60; UAF-110; UAF-230; UAF-400; UAF-415; UAF-500

**Accessory Connecting Link** Model(s) BEMC/132, MF32L05K

**Accessory Open type Padlock Kit** Model(s) MAS1, SA1; SA3, SA10.

**Accessory SHUNT TRIP** Model(s) MAANLLA, followed by -20, 24, -48, -60, -110, -208, -230, -400, -415 or -575.

**Accessory UNDERVOLTAGE TRIP** Model(s) MARNLLA

**Accessory, current limiters** Model(s) S803W-SCL100-SR, S803W-SCL32-SR, S803W-SCL63-SR

**Accessory, Enclosures** Model(s) IB132 followed by -F, -Y or -G., MI65 followed by -F, -Y or -G.

**Accessory, mounting plates** Model(s) PM26-13, PM26-23

**Accessory, Panel Mounted Enclosures** Model(s) DMS132 followed by - Y or -G.

**Manual motor controllers, open type** Model(s) M0325-0.16, M0325-0.25, M0325-0.40, M0325-0.63, M0325-1.00, M0325-1.60, M0325-12.5, M0325-16.00, M0325-2.5, M0325-20, M0325-25, M0325-4.00, M0325-6.3, M0325-9.00, MS225-0.16, MS225-0.25, MS225-0.40, MS225-0.63, MS225-1.00, MS225-1.60, MS225-12.5, MS225-16.00, MS225-2.5, MS225-20, MS225-25, MS225-4.00, MS225-6.3, MS225-9.00, MS325-0.16, MS325-0.25, MS325-0.40, MS325-0.63, MS325-1.00, MS325-1.60, MS325-12.5, MS325-16.00, MS325-2.5, MS325-20, MS325-25, MS325-4.00, MS325-6.3, MS325-9.00, MS326-0.16, MS326-0.25, MS326-0.40, MS326-0.63, MS326-1.00, MS326-1.60, MS326-12.5, MS326-16.00, MS326-2.5, MS326-20, MS326-25, MS326-4.00, MS326-6.3, MS326-9.00

**Motor disconnects with locking kit SA1, open type** Model(s) MS116-0.16, MS116-0.25, MS116-0.40, MS116-0.63, MS116-1.00, MS116-1.60, MS116-10.0, MS116-12.0, MS116-16.0, MS116-2.5, MS116-20.0, MS116-25.0, MS116-32.0, MS116-4.00, MS116-6.3

**Motor disconnects with locking, open type** Model(s) MBS32NG, followed by -002, -003, -004, -006, -010, -016, -025, -040, -063, -100, -120, -160, -200, -250 or -320.

**Open type, Manual motor controllers, suitable for group installation, suitable as motor disconnect, suitable as tap conductor protection, provided with overload protection (starter)** Model(s) MO132 followed by -0.16, -0.25, -0.40, -0.63, -1.0, -1.60, -2.5, -4.0, -6.3, -10, -12, -16, -20, -25 or -32, may be followed by K, may be followed by B.

MS132 followed by -0.16, -0.25, -0.40, -0.63, -1.0, -1.60, -2.5, -4.0, -6.3, -10, -12, -16, -20, -25 or -32, may be followed by K, may be followed by B, L or T..

MS165 or MO165 followed by -16, -20, -25, -32, -42, -54, -65, -73 or -80, may be followed by B.

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# NLRV7.E137861 - Motor Controllers, Manual Certified for Canada

## Motor Controllers, Manual Certified for Canada

[See General Information for Motor Controllers, Manual Certified for Canada](#)

**ABB STOTZ-KONTAKT GMBH**  
EPPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E137861

### Investigated to **CAN/CSA-C22.2 No.60947-1-13** and **CAN/CSA-C22.2 No.60947-4-1-14**

**Accessory AUXILIARY CONTACTS** Model(s) MAHN, followed by -02, -11, -20, -01, -10, followed by FB, LL or LR.

**Accessory AUXILIARY CONTACTS for MS1x** Model(s) CK1-11; CK1-20; CK1-02; CK1-01; CK1-10 may be followed by L, may be followed by K.

HK1-11; HK1-20; HK1-02; HK1-01; HK1-10 may be followed by L, may be followed by K.

HKF1-11; HKF1-20; HKF1-02; HKF1-01; HKF1-10 may be followed by L, may be followed by K.

SK1-11; SK1-20; SK1-02; SK1-01; SK1-10 may be followed by L, may be followed by K.

**Accessory AUXILIARY CONTACTS for MS325** Model(s) HK-11; HK-20; HK-02; HKF-11; HKF-20; HKF-02; SK-11; SK-20; SK-02; CK-11; CK-20; CK-02

**Accessory SHUNT RELEASE for MS1x** Model(s) AA1-20; AA1-24; AA1-48; AA1-60; AA1-110; AA1-208; AA1-230; AA1-400; AA1-415; AA1-575

**Accessory UNDERVOLTAGE RELEASE for MS1x** Model(s) UA1-20; UA1-24; UA1-48; UA1-60; UA1-110; UA1-208; UA1-230; UA1-400; UA1-415; or UA1-575

**Accessory UNDERVOLTAGE RELEASE for MS325** Model(s) UAF-20; UAF-24; UAF-48; UAF-60; UAF-110; UAF-230; UAF-400; UAF-415; UAF-500

**Accessory Connecting Link** Model(s) BEMC/132, MF32L05K

**Accessory Open type Padlock Kit** Model(s) MAS1, SA1; SA3, SA10.

**Accessory SHUNT TRIP** Model(s) MAANLLA, followed by -20, 24, -48, -60, -110, -208, -230, -400, -415 or -575.

**Accessory UNDERVOLTAGE TRIP** Model(s) MARNLLA

**Accessory, current limiters** Model(s) S803W-SCL100-SR, S803W-SCL32-SR, S803W-SCL63-SR

**Accessory, Enclosures** Model(s) IB132 followed by -F, -Y or -G., MI65 followed by -F, -Y or -G.

**Accessory, Panel Mounted Enclosures** Model(s) DMS132 followed by -Y or -G.

**Manual motor controllers, open type** Model(s) M0325-0.16, M0325-0.25, M0325-0.40, M0325-0.63, M0325-1.00, M0325-1.60, M0325-12.5, M0325-16.00, M0325-2.5, M0325-20, M0325-25, M0325-4.00, M0325-6.3, M0325-9.00, MS225-0.16, MS225-0.25, MS225-0.40, MS225-0.63, MS225-1.00, MS225-1.60, MS225-12.5, MS225-16.00, MS225-2.5, MS225-20, MS225-25, MS225-4.00, MS225-6.3, MS225-9.00, MS325-0.16, MS325-0.25, MS325-0.40, MS325-0.63, MS325-1.00, MS325-1.60, MS325-12.5, MS325-16.00, MS325-2.5, MS325-20, MS325-25, MS325-4.00, MS325-6.3, MS325-9.00, MS326-0.16, MS326-0.25, MS326-0.40, MS326-0.63, MS326-1.00, MS326-1.60, MS326-12.5, MS326-16.00, MS326-2.5, MS326-20, MS326-25, MS326-4.00, MS326-6.3, MS326-9.00

**Motor disconnects with locking kit SA1, open type** Model(s) MS116-0.16, MS116-0.25, MS116-0.40, MS116-0.63, MS116-1.00, MS116-1.60, MS116-10.0, MS116-12.0, MS116-16.0, MS116-2.5, MS116-20.0, MS116-25.0, MS116-32.0, MS116-4.00, MS116-6.3

**Motor disconnects with locking, open type** Model(s) MBS32NG, followed by -002, -003, -004, -006, -010, -016, -025, -040, -063, -100, -120, -160, -200, -250 or -320.

**Open type, Manual motor controllers, suitable for group installation, suitable as motor disconnect, suitable as tap conductor protection, provided with overload protection (starter)** Model(s) MO132 followed by -0.16, -0.25, -0.40, -0.63, -1.0, -1.60, -2.5, -4.0, -6.3, -10, -12, -16, -20, -25 or -32, may be followed by K, may be followed by B.

MS132 followed by -0.16, -0.25, -0.40, -0.63, -1.0, -1.60, -2.5, -4.0, -6.3, -10, -12, -16, -20, -25 or -32, may be followed by K, may be followed by B, L or T..

MS165 or MO165 followed by -16, -20, -25, -32, -42, -54, -65, -73 or -80, may be followed by B.

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# NKCR.E48139 - Auxiliary Devices

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## Auxiliary Devices

See General Information for Auxiliary Devices

### ABB STOTZ-KONTAKT GMBH

EPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E48139

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## Investigated to ANSI/UL 508

**Accessories, I/O modules** Model(s) DX111, DX122, VI150, VI155

**Accessories, mechanical resets** Model(s) 1TGB100038

**Accessories, mechanical resets, terminal adapters** Model(s) DB140E, DB145E, DB16E, DB45E, DB80E

**Accessories, single mounting kits** Model(s) DB16, DB42

**Accessory - Wire Reset Button** Model(s) Cat. Nos. WRB-400, WRB-600, WRB-1000

**Auxiliary devices, electronic relays, open type** Model(s) GHC followed by 105 or 106, followed by 0201, followed by R0001, R0002, R0003, R0004, R0005 or R0006.

**Auxiliary devices, overload relay, open-type** Model(s) GHC 461 02 01 R0004, GHC 461 02 02 R0004, GHC 461 02 03 R0004, GHC 461 02 04 R0004, GHC 461 02 05 R0004, GHC 461 02 06 R0004, GHC 461 02 07 R0004, GHC 461 02 08 R0004, GHC 461 02 09 R0004, GHC 461 02 10 R0004, GHC 461 02 11 R0004, GHC 461 02 12 R0004, GHC 461 10 01 R0001, GHC 461 10 01 R0003, GHC 461 10 01 R0004, GHC 461 10 02 R0001, GHC 461 10 02 R0003, GHC 461 10 02 R0004, GHC 461 10 03 R0001, GHC 461 10 03 R0003, GHC 461 10 03 R0004, GHC 461 1304 R0001, GHC 461 1304 R0002, GHC 461 1304 R0003, GHC 461 1304 R0004

GHC 462 00, followed by 01, 02, 03, 04, 05, 06, 07, 08, 09, 10 or 11, followed by R0001, R0003 or R0004.

GHC 462 10, followed by 02, 03 or 04, followed by R0001, R0003 or R0004.

GHC 463 0001 R0001, GHC 463 0001 R0002, GHC 463 0001 R0003, GHC 463 0001 R0004, GHC 464 0101 R0001, GHC 464 0101 R0003, GHC 464 0101 R0004, GHC 465 0101 R0001, GHC 465 0101 R0003, GHC 465 0101 R0004

GHC followed by 105 or 106, followed by 0201, 0301, 1201 or 1301, followed by R0011, R0012, R0013, R0014, R0015 or R0016.

UMC100 may be followed by additional suffixes.

UMC22 may be followed by additional suffixes.

**Auxiliary switches** Model(s) CA6 followed by -11K, 11E, -02 or 11M-20, followed by E, K, M or N.

CAF6 followed by -11K, 11E, -02 or 11M-20, followed by E, K, M or N.

**Interface units auxiliary devices, open type** Model(s) 95.049-052, 95.087-091, 95.095-109, 95.136-141, 96.053, 96.079, 96.080, 98.018, 98.028, 98.029

**Overload relays, open-type** Model(s) 1SAZ411201R1001, 1SAZ411201R1002, T900DU375, T900DU500, T900DU650, T900DU850, T900SU375, T900SU500, T900SU650, T900SU850, TA450DU105, TA450DU140, TA450DU185, TA450DU235, TA450DU310, TA450DU400, TA450DU60, TA450DU80, TA450SU105, TA450SU140, TA450SU185, TA450SU235, TA450SU310, TA450SU400, TA450SU60, TA450SU80

**Overload relays, open-type, Class 20** Model(s) T80DU42 may be followed by -M, T80DU52 may be followed by -M, T80DU63 may be followed by -M, T80DU80 may be followed by -M

**Terminal block adapters, open type** Model(s) AB200, DB200, DB80

**Transformer modules** Model(s) P30 thru P80 followed by 102, 111, 120, 202, 211, 220, 302, 311, 320, 402, 411 or 420.

## Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Accessories, single mounting kits** Model(s) VST05N, VST18N

**Accessory Mounting Kit** Model(s) DB65, DB96

**Accessory mounting kit** Model(s) VST30N, VST45N

**Accessory, Remote Reset** Model(s) DRS-F followed by -01, -02, -03, or -04.

**Accessory, Remote Stop** Model(s) DRS-F-EF followed by -01, -02, -03, or -04., DRS-F-TF followed by -01, -02, -03 or -04.

**Auxiliary Devices** Model(s) SC10-40.1, SCV10-40.1, SFM1-A11.1

**Listed Accessorie Display Unit** Model(s) Type UMC100-PAN

**Open type, Electronic overload relays** Model(s) EF460, EF750, EF96-100, EF96-56, UMC100.3 DC, UMC100.3 UC

**Open type, Thermal overload relays** Model(s) B05N followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16.

B18N followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38.

B30N followed by -28, -33, -40, -47, -53, -60 or -67, may additionally be followed by B.

B45N followed by -51, -60, -68, -78, -87 or -96, may additionally be followed by B.

T16 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38.

TA40 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38, may additionally be followed by B.

TA42 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38, may additionally be followed by B.

TF42 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38, may additionally be followed by B.

TF65 followed by -28, -33, -40, -47, -53, -60 or -67, may additionally be followed by B.

TF96 followed by -51, -60, -68, -78, -87 or -96, may additionally be followed by B.

**Open-Type, Overload Relays** Model(s) TF140DU 110 may be followed by -V1000, TF140DU 135 may be followed by -V1000, TF140DU 142 may be followed by -V1000, Type TF140DU 90 may be followed by -V1000

**Overload relays, electronic, open type** Model(s) E16DU 0.32, E16DU 1.0, E16DU 18.9, E16DU 2.7, E16DU 6.3, E45DU 30, E45DU 45, E80DU, EF19 0.32, EF19 1.0, EF19 18.9, EF19 2.7, EF19 6.3, EF205, EF370, EF45 30, EF45 45, EF65-56, EF65-70, EF96

**Overload relays, open-type** Model(s) TA110DU110, may be followed by -V1000, TA110DU90, may be followed by -V1000, TA200DU110, may be followed by -V1000, TA200DU135, may be followed by -V1000, TA200DU150, may be followed by -V1000, TA200DU175, may be followed by -V1000, TA200DU200, may be followed by -V1000, TA200DU90, may be followed by -V1000

**Overload relays, open-type, Class 10** Model(s) TA 42 DU followed by 25, 32, 42, maybe followed by M, maybe followed by -V1000

TA 75 DU followed by 25-80, maybe followed by M, may be followed by -V1000

TA25DU.25 may be followed by M may be followed by -V1000

TA25DU.4 may be followed by M, may be followed by -V1000

TA25DU.63 may be followed by M, may be followed by -V1000

TA25DU1.0 may be followed by M, may be followed by -V1000

TA25DU1.4 may be followed by M, may be followed by -V1000

TA25DU1.8 may be followed by M may be followed by -V1000

TA25DU11 may be followed by M may be followed by -V1000

TA25DU14 may be followed by M may be followed by -V1000

TA25DU19 may be followed by M may be followed by -V1000

TA25DU2.4 may be followed by M may be followed by -V1000

TA25DU3.1 may be followed by M may be followed by -V1000

TA25DU32 may be followed by M may be followed by -V1000

TA25DU5.0 may be followed by M may be followed by -V1000

TA25DU6.5 may be followed by M may be followed by -V1000

TA25DU8.5 may be followed by M may be followed by -V1000

TA80DU80 may be followed by -M, may be followed by -V1000

**Overload relays, open-type, Class 20** Model(s) TA 75 DU 25 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 32 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 42 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 52 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 63 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 80 maybe followed by M, Terminal block adapter, DB80.

TA25DU1.8, TA25DU11, TA25DU14, TA25DU19, TA25DU2.4, TA25DU25

TA25DU25 may be followed by M may be followed by -V1000

TA25DU3.1, TA25DU32, TA25DU4.0

TA25DU4.0 may be followed by M may be followed by -V1000

TA25DU5.0, TA25DU6.5, TA25DU8.5

TA42DU followed by 25, 32, 42, maybe followed by M, Terminal block adapter, DB80.

**Terminal block adapters** Model(s) DX25, may be followed by -M

**Terminal block adapters, open type** Model(s) DB25/25A, may be followed by -M, DB25/25A, may be followed by M, DB25/32A, may be followed by -M, DB25/32A, may be followed by M, DB45EF

## Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-5-1

**Auxiliary contact blocks** Model(s) HS05K-F02, HS05K-F04, HS05K-F11, HS05K-F13, HS05K-F20, HS05K-F22, HS05K-F31, HS05K-F40, HS05KL01, HS05KL10, MACL101AR, MACL101ARS, MACL101AT, MACL101ATS, MACL110AR, MACL110ARS, MACL110AT, MACL110ATS

MACN followed by 2 or 4, followed by 02, 04, 11, 13, 20, 22, 31 or 40, followed by A, followed by T or R

MARL101AR, MARL101ARS, MARL101AT, MARL101ATS, MARL110AR, MARL110ARS, MARL110AT, MARL110ATS

MARN followed by 2 or 4, followed by 02, 04, 11, 13, 20, 22, 31 or 40, followed by A, followed by T or R

**Auxiliary devices, relays, open type** Model(s) MCR, followed by A0, C0, I0 or K0 followed by 04, 13, 22, 31 or 40, followed by A, followed by T or R, may be followed by one or two alphanumeric digits, may be followed by D, may be followed by -Rail

SH05K-04 followed by two alphanumeric digits, SH05K-13 followed by two alphanumeric digits, SH05K-22 followed by two alphanumeric digits, SH05K-31 followed by two alphanumeric digits, SH05K-40 followed by two alphanumeric digits

**Electronic timers** Model(s) MREBC10AC2, MREBC20AC2

**Overload relays, electronic, open type** Model(s) EF146

**Voltage suppressors** Model(s) EB05K followed by -1, -2, or -3., MP0AAE1, MP0AAE2, MP0AAE3, MP0AAE4, MPOCAE1, MPOCAE2, MPOCAE3, MPOCAE4

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## Auxiliary Devices - Component

See General Information for Auxiliary Devices - Component

**ABB STOTZ-KONTAKT GMBH**  
EPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E48139

### Investigated to ANSI/UL 508

**Accessories, pin terminal adaptors** Model(s) LB6, LB6CA

**Auxiliary devices** Model(s) K6 or KC6 followed by 40E, 31Z or 22Z, followed by F or P, followed by 1.4, 1.7, 2.4 or 2.48.

**Auxiliary switches** Model(s) CA6-11E-C, CA6-11E-P, CA6-11K-C, CA6-11K-P, CA6-11M-C, CA6-11M-P, CA6-11N-C, CA6-11N-P, CA9-11, CA9-20, CDL-7

**Auxiliary devices, open type** Model(s) N22-ST, N22E-ST, N31-ST, N33/11-ST, N40-ST, N44E-ST, N53E-ST, N62E-ST, N71E-ST, N80E-ST, NL22E-ST, NL31E-ST, NL33/11-ST, NL40E-ST, NL44E-ST, NL53E-ST, NL62E-ST, NL71E-ST, NL80E-ST

**Overload relays** Model(s) 85DM10, 85DM100, 85DM14, 85DM20, 85DM29, 85DM40, 85DM55, 85DM70

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Overload relays** Model(s) T80DU42 RT, T80DU52 RT, T80DU63 RT, T80DU80 RT

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-5-1

**Contact blocks** Model(s) MACL followed by 1, followed by 0, 1 or 10, followed by AI, may be followed by S.

MARL followed by 1, followed by 0, 1 or 10, followed by AI, may be followed by S.

**Relays, open type** Model(s) MCR followed by A0, C0, I0 or K0, followed by 04, 13, 22, 31 or 40, followed by AI.

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# NKCR7.E48139 - Auxiliary Devices Certified for Canada

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## Auxiliary Devices Certified for Canada

See General Information for Auxiliary Devices Certified for Canada

### ABB STOTZ-KONTAKT GMBH

EPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E48139

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

**Accessories, I/O modules** Model(s) DX111, DX122, VI150, VI155

**Accessories, mechanical resets, terminal adapters** Model(s) DB140E, DB145E, DB16E, DB45E, DB80E

**Accessories, single mounting kits** Model(s) DB16, DB42

**Accessory - Wire Reset Button** Model(s) Cat. Nos. WRB-400, WRB-600, WRB-1000

**Auxiliary devices, overload relay, open-type** Model(s) UMC100 may be followed by additional suffixes.

UMC22 may be followed by additional suffixes.

**Auxiliary switches** Model(s) CA6 followed by -11K, 11E, -02 or 11M-20, followed by E, K, M or N.

CAF6 followed by -11K, 11E, -02 or 11M-20, followed by E, K, M or N.

**Overload relays, open-type** Model(s) 1SAZ411201R1001, 1SAZ411201R1002, T900DU375, T900DU500, T900DU650, T900DU850, T900SU375, T900SU500, T900SU650, T900SU850, TA450DU105, TA450DU140, TA450DU185, TA450DU235, TA450DU310, TA450DU400, TA450DU60, TA450DU80, TA450SU105, TA450SU140, TA450SU185, TA450SU235, TA450SU310, TA450SU400, TA450SU60, TA450SU80

**Terminal block adapters, open type** Model(s) DB200, DB80

### Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA C22.2 No.60947-5-1-14

**Auxiliary contact blocks** Model(s) HS05K-F02, HS05K-F04, HS05K-F11, HS05K-F13, HS05K-F20, HS05K-F22, HS05K-F31, HS05K-F40, HS05KL01, HS05KL10, MACL101AR, MACL101ARS, MACL101AT, MACL101ATS, MACL110AR, MACL110ARS, MACL110AT, MACL110ATS

MACN followed by 2 or 4, followed by 02, 04, 11, 13, 20, 22, 31 or 40, followed by A, followed by T or R

MARL101AR, MARL101ARS, MARL101AT, MARL101ATS, MARL110AR, MARL110ARS, MARL110AT, MARL110ATS

MARN followed by 2 or 4, followed by 02, 04, 11, 13, 20, 22, 31 or 40, followed by A, followed by T or R

**Auxiliary devices, relays, open type** Model(s) MCR, followed by A0, C0, I0 or K0 followed by 04, 13, 22, 31 or 40, followed by A, followed by T or R, may be followed by one or two alphanumeric digits, may be followed by D, may be followed by -Rail

SH05K-04 followed by two alphanumeric digits, SH05K-13 followed by two alphanumeric digits, SH05K-22 followed by two alphanumeric digits, SH05K-31 followed by two alphanumeric digits, SH05K-40 followed by two alphanumeric digits

**Electronic timers** Model(s) MREBC10AC2, MREBC20AC2

**Voltage suppressors** Model(s) EB05K followed by -1, -2, or -3., MP0AAE1, MP0AAE2, MP0AAE3, MP0AAE4, MPOCAE1, MPOCAE2, MPOCAE3, MPOCAE4

# Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA-C22.2 No.60947-4-1-14

**Accessories, single mounting kits** Model(s) VST05N, VST18N

**Accessory Mounting Kit** Model(s) DB65, DB96

**Accessory mounting kit** Model(s) VST30N, VST45N

**Accessory, Remote Reset** Model(s) DRS-F followed by -01, -02, -03, or -04.

**Accessory, Remote Stop** Model(s) DRS-F-EF followed by -01, -02, -03, or -04., DRS-F-TF followed by -01, -02, -03 or -04.

**Auxiliary Devices** Model(s) SC10-40.1, SCV10-40.1, SFM1-A11.1

**Listed Accessorie Display Unit** Model(s) Type UMC100-PAN

**Open type, Electronic overload relays** Model(s) EF460, EF750, EF96-100, EF96-56, UMC100.3 DC, UMC100.3 UC

**Open type, Thermal overload relays** Model(s) B05N followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16.

B18N followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38.

B30N followed by -28, -33, -40, -47, -53, -60 or -67, may additionally be followed by B.

B45N followed by -51, -60, -68, -78, -87 or -96, may additionally be followed by B.

T16 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38.

TA40 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38, may additionally be followed by B.

TA42 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38, may additionally be followed by B.

TF42 followed by -0.13, -0.17, -0.23, -0.31, -0.41, -0.55, -0.74, -1.0, -1.3, -1.7, -2.3, -3.1, -4.2, -5.7, -7.6, -10, -13, -16, -20, -24, -29, -35 or -38, may additionally be followed by B.

TF65 followed by -28, -33, -40, -47, -53, -60 or -67, may additionally be followed by B.

TF96 followed by -51, -60, -68, -78, -87 or -96, may additionally be followed by B.

**Open-Type, Overload Relays** Model(s) TF140DU 110 may be followed by -V1000, TF140DU 135 may be followed by -V1000, TF140DU 142 may be followed by -V1000, Type TF140DU 90 may be followed by -V1000

**Overload relays, electronic, open type** Model(s) E16DU 0.32, E16DU 1.0, E16DU 18.9, E16DU 2.7, E16DU 6.3, E45DU 30, E45DU 45, E80DU, EF146, EF19 0.32, EF19 1.0, EF19 18.9, EF19 2.7, EF19 6.3, EF205, EF370, EF45 30, EF45 45, EF65-56, EF65-70, EF96

**Overload relays, open-type** Model(s) TA110DU110, may be followed by -V1000, TA110DU90, may be followed by -V1000, TA200DU110, may be followed by -V1000, TA200DU135, may be followed by -V1000, TA200DU150, may be followed by -V1000, TA200DU175, may be followed by -V1000, TA200DU200, may be followed by -V1000, TA200DU90, may be followed by -V1000

**Overload relays, open-type, Class 10** Model(s) TA 42 DU followed by 25, 32, 42, maybe followed by M, maybe followed by -V1000

TA 75 DU followed by 25-80, maybe followed by M, may be followed by -V1000

TA25DU.25 may be followed by M may be followed by -V1000

TA25DU.4 may be followed by M, may be followed by -V1000

TA25DU.63 may be followed by M, may be followed by -V1000

TA25DU1.0 may be followed by M, may be followed by -V1000

TA25DU1.4 may be followed by M, may be followed by -V1000

TA25DU1.8 may be followed by M may be followed by -V1000

TA25DU11 may be followed by M may be followed by -V1000

TA25DU14 may be followed by M may be followed by -V1000

TA25DU19 may be followed by M may be followed by -V1000

TA25DU2.4 may be followed by M may be followed by -V1000

TA25DU3.1 may be followed by M may be followed by -V1000

TA25DU32 may be followed by M may be followed by -V1000

TA25DU5.0 may be followed by M may be followed by -V1000

TA25DU6.5 may be followed by M may be followed by -V1000

TA25DU8.5 may be followed by M may be followed by -V1000

TA80DU80 may be followed by -M, may be followed by -V1000

**Overload relays, open-type, Class 20** Model(s) TA 75 DU 25 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 32 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 42 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 52 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 63 maybe followed by M, Terminal block adapter, DB80.

TA 75 DU 80 maybe followed by M, Terminal block adapter, DB80.

TA25DU1.8, TA25DU11, TA25DU14, TA25DU19, TA25DU2.4, TA25DU25

TA25DU25 may be followed by M may be followed by -V1000

TA25DU3.1, TA25DU32, TA25DU4.0

TA25DU4.0 may be followed by M may be followed by -V1000

TA25DU5.0, TA25DU6.5, TA25DU8.5

TA42DU followed by 25, 32, 42, maybe followed by M, Terminal block adapter, DB80.

**Terminal block adapters** Model(s) DX25, may be followed by -M

**Terminal block adapters, open type** Model(s) DB25/25A, may be followed by -M, DB25/25A, may be followed by M, DB25/32A, may be followed by -M, DB25/32A, may be followed by M, DB45EF

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# NKCR8.E48139 - Auxiliary Devices Certified for Canada - Component

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## Auxiliary Devices Certified for Canada - Component

[See General Information for Auxiliary Devices Certified for Canada - Component](#)

### ABB STOTZ-KONTAKT GMBH

EPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E48139

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

**Auxiliary devices** Model(s) K6 or KC6 followed by 40E, 31Z or 22Z, followed by F or P, followed by 1.4, 1.7, 2.4 or 2.48.

**Auxiliary switches** Model(s) CA6-11E-C, CA6-11E-P, CA6-11K-C, CA6-11K-P, CA6-11M-C, CA6-11M-P, CA6-11N-C, CA6-11N-P

**Overload relays** Model(s) T80DU42 RT, T80DU52 RT, T80DU63 RT, T80DU80 RT

### Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA C22.2 No.60947-5-1-14

**Contact blocks** Model(s) MACL followed by 1, followed by 0, 1 or 10, followed by AI, may be followed by S.

MARL followed by 1, followed by 0, 1 or 10, followed by AI, may be followed by S.

**Relays, open type** Model(s) MCR followed by A0, C0, IO or K0, followed by 04, 13, 22, 31 or 40, followed by AI.

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# NLDX.E191658 - Motor Controllers, Magnetic

## Motor Controllers, Magnetic

[See General Information for Motor Controllers, Magnetic](#)

**ABB STOTZ-KONTAKT GMBH**  
EPPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E191658

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Accessory bus bar kit** Model(s) WKMIU

**Accessory Open type** Model(s) EH04-11, may be followed by N, EH04-20, may be followed by N

**Magnetic motor controllers** Model(s) C570

**Magnetic Motor Controllers** Model(s) ESB100 , followed by -40 or -20, followed by N.

ESB16 and ESB20 , followed by -11, -20 or -02, followed by N.

**Mechanical interlocks** Model(s) MMH0, VB05K

**Nonreversing contactors, open type** Model(s) LS05K followed by -30 or -40, followed by -00, -10, or -01, followed by two alphanumeric digits.

LS06K followed by -30 or -40, followed by -00, -10, or -01, followed by two alphanumeric digits.

MC1 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by A, followed by H or T, followed by one or two additional numbers or letters, may be followed by D, may be followed by -Rail.

MC2 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by A, followed by H or T, followed by one or two additional numbers or letters, may be followed by D, may be followed by -Rail.

**Open type magnetic motor controllers** Model(s) B6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

B6S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

B7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

B7D may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

B7S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

B7W may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

BC6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

BC7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

BC7W may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

VB6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

VB6A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

VB6S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VB6SA may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VB7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VB7A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VB7D may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VB7S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VB7SA may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VBC6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VBC6A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VBC7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VBC7A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

**Open type magnetic motor controllers, Reverser Link Accessory** Model(s) BSM6-30 followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

**Open type, Motor controllers** Model(s) ESB24 followed by -0, 1, 2, 3 or 4, followed by 0, 1, 2, 3 or 4.

ESB25 followed by -0, -1, -2, -3, or -4, followed by 0, 1, 2, 3, or 4 followed by N

ESB40 followed by -0, 1, 2, 3 or 4, followed by 0, 1 or 2, may be followed by N

ESB63 followed by -0, 1, 2, 3 or 4, followed by 0, 1 or 2, may be followed by N

**Reversing and Non-reversing Motor Starters** Model(s) HF0.6-DOL-24VDC, HF0.6-DOLE-24VDC, HF0.6-ROL-24VDC, HF0.6-ROLE-24VDC, HF2.4-DOL-24VDC, HF2.4-DOLE-24VDC, HF2.4-ROL-24VDC, HF2.4-ROLE-24VDC, HF9-DOL-24VDC, HF9-DOLE-24VDC, HF9-ROL-24VDC, HF9-ROLE-24VDC

**Reversing contactors, open type** Model(s) MI1 followed by SOOSA, followed by E, F, G, H, T, U or R, may be followed by D.

MJ1 followed by SOOSA, followed by E, F, G, H, T, U or R, may be followed by D.

**Reversing motor controllers, open type** Model(s) HF9-4-VDC-24VDC

**Surge suppressors, for use with B Series contactors** Model(s) RV-BC6 may be followed by -F, followed by /60, /250 or /380.

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# NLDX2.E191658 - Motor Controllers, Magnetic - Component

## Motor Controllers, Magnetic - Component

[See General Information for Motor Controllers, Magnetic - Component](#)

**ABB STOTZ-KONTAKT GMBH**  
EPPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E191658

### Investigated to ANSI/UL 60947-1 and ANSI/UL 60947-4-1

**Accessory, pin terminal adaptors** Model(s) LB6

**Magnetic motor controllers** Model(s) B6 (a), B6S (b), B7 (a), B7S (b), B7W (a), BC6 (a), BC7 (a), BC7W (a), VB6 (a), VB6A (a), VB6S (b), VB7 (a), VB7A (a), VB7S (b), VBC6 (a), VBC6A (a), VBC7 (a), VBC7A (a)

**Non-reversing contactors, open type** Model(s) MC1 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by AI, may be followed by additional numbers and/or letters.

MC2 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by AI, may be followed by additional numbers and/or letters.

**Reversing contactors, open type** Model(s) MI1 followed by SOOSA, followed by I or J,, MJ1 followed by SOOSA, followed by I or J.

(a) - May be followed by M, followed by 21, 22, 30, 31 or 40, followed by 00, 0I or I0, followed by F or P, may be followed by 1.4 or 2.4.

(b) - May be followed by M, followed by -30, followed by 00, 01 or 10, followed by F or P, followed by 1.7 or 2.8.

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# NLDX7.E191658 - Motor Controllers, Magnetic Certified for Canada

## Motor Controllers, Magnetic Certified for Canada

[See General Information for Motor Controllers, Magnetic Certified for Canada](#)

**ABB STOTZ-KONTAKT GMBH**  
EPPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E191658

### Investigated to **CAN/CSA-C22.2 No.60947-1-13** and **CAN/CSA-C22.2 No.60947-4-1-14**

**Accessory bus bar kit** Model(s) WKMIU

**Accessory Open type** Model(s) EH04-11, may be followed by N, EH04-20, may be followed by N

**Magnetic motor controllers** Model(s) C570

**Magnetic Motor Controllers** Model(s) ESB100 , followed by -40 or -20, followed by N.

ESB16 and ESB20 , followed by -11, -20 or -02, followed by N.

**Mechanical interlocks** Model(s) MMH0, VB05K

**Nonreversing contactors, open type** Model(s) LS05K followed by -30 or -40, followed by -00, -10, or -01, followed by two alphanumeric digits.

LS06K followed by -30 or -40, followed by -00, -10, or -01, followed by two alphanumeric digits.

MC1 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by A, followed by H or T, followed by one or two additional numbers or letters, may be followed by D, may be followed by -Rail.

MC2 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by A, followed by H or T, followed by one or two additional numbers or letters, may be followed by D, may be followed by -Rail.

**Open type magnetic motor controllers** Model(s) B6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

B6S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

B7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

B7D may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

B7S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

B7W may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

BC6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

BC7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

BC7W may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

VB6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

VB6A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by I.4 or 2.4.

VB6S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VB6SA may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VB7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VB7A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VB7D may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VB7S may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VB7SA may be followed by M, followed by -30, followed by 00, 01 or 10, may be followed by 1.7 or 2.8.

VBC6 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VBC6A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VBC7 may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

VBC7A may be followed by M, followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

**Open type magnetic motor controllers, Reverser Link Accessory** Model(s) BSM6-30 followed by 30, 40, 22 or 31, followed by 00, 01 or 10, may be followed by 1.4 or 2.4.

**Open type, Motor controllers** Model(s) ESB24 followed by -0, 1, 2, 3 or 4, followed by 0, 1, 2, 3 or 4.

ESB25 followed by -0, -1, -2, -3, or -4, followed by 0, 1, 2, 3, or 4 followed by N

ESB40 followed by -0, 1, 2, 3 or 4, followed by 0, 1 or 2, may be followed by N

ESB63 followed by -0, 1, 2, 3 or 4, followed by 0, 1 or 2, may be followed by N

**Reversing and Non-reversing Motor Starters** Model(s) HF0.6-DOL-24VDC, HF0.6-DOLE-24VDC, HF0.6-ROL-24VDC, HF0.6-ROLE-24VDC, HF2.4-DOL-24VDC, HF2.4-DOLE-24VDC, HF2.4-ROL-24VDC, HF2.4-ROLE-24VDC, HF9-DOL-24VDC, HF9-DOLE-24VDC, HF9-ROL-24VDC, HF9-ROLE-24VDC

**Reversing contactors, open type** Model(s) MI1 followed by SOOSA, followed by E, F, G, H, T, U or R, may be followed by D.

MJ1 followed by SOOSA, followed by E, F, G, H, T, U or R, may be followed by D.

**Reversing motor controllers, open type** Model(s) HF9-4-VDC-24VDC

**Surge suppressors, for use with B Series contactors** Model(s) RV-BC6 may be followed by -F, followed by /60, /250 or /380.

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# NLDX8.E191658 - Motor Controllers, Magnetic Certified for Canada - Component

## Motor Controllers, Magnetic Certified for Canada - Component

See General Information for Motor Controllers, Magnetic Certified for Canada - Component

**ABB STOTZ-KONTAKT GMBH**  
EPPELHEIMER STR 82  
69123 HEIDELBERG, GERMANY

E191658

### Investigated to CAN/CSA-C22.2 No.60947-1-13 and CAN/CSA-C22.2 No.60947-4-1-14

**Accessory, pin terminal adaptors** Model(s) LB6

**Magnetic motor controllers** Model(s) B6 (a), B6S (b), B7 (a), B7S (b), B7W (a), BC6 (a), BC7 (a), BC7W (a), VB6 (a), VB6A (a), VB6S (b), VB7 (a), VB7A (a), VB7S (b), VBC6 (a), VBC6A (a), VBC7 (a), VBC7A (a)

**Non-reversing contactors, open type** Model(s) MC1 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by AI, may be followed by additional numbers and/or letters.

MC2 followed by A, C, I or K, followed by A, B, 3 or 4, followed by 0 or 1, followed by 0 or 1, followed by AI, may be followed by additional numbers and/or letters.

**Reversing contactors, open type** Model(s) MI1 followed by SOOSA, followed by I or J,., MJ1 followed by SOOSA, followed by I or J.

(a) - May be followed by M, followed by 21, 22, 30, 31 or 40, followed by 00, 0I or I0, followed by F or P, may be followed by 1.4 or 2.4.

(b) - May be followed by M, followed by -30, followed by 00, 01 or 10, followed by F or P, followed by 1.7 or 2.8.

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model designation and the Recognized Component Mark for Canada, 

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