CERTIFICATION RECORD

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 021451 0 000

Class No: 3211 03 INDUSTRIAL CONTROL EQUIPMENT Motor Controllers - Auxiliary Devices

SUBMITTOR

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SEE ALSO SATELLITE FACTORY FILES 107102 0 000

July 23, 1998(Replaces:July 12, 1996)

Mono-lever switches, Series ARN, ARNS and ARNL, open types, max pilot duty ratings, 600V ac HD (heavy duty), 600V dc SD (standard duty).

Pushbutton and selector switches, open-type, 600V ac max (heavy pilot duty), 600V dc max (standard pilot duty), Series N, and S.

Pilot lights, open type, without transformer 30V ac/dc max, with transformer 600V ac max, Series N, and S.

Illuminated pushbutton switches, open-type, consisting ofcombined assemblies of the above pushbutton and selector switches and pilot lights, Series N, and S.

Contact Blocks, Type BS (with suffixes), 600V ac max (heavy pilot duty) (A600), 600V dc max (standard pilot duty) (P600) for use with Series TWTD, TWT, N and S operators.

Contact blocks, Type BST (with suffixes), 5A, 125V ac; 3A, 250V ac, 1A, 600V ac, heavy pilot duty 120-600V ac (A600), standard pilot duty 110-600V dc (P600), for use with Series TWTD and TWT operators.

Pilot lights, Models APD, APDG, APDE, APDGE, (alternate APD), Models APN, APNE, APNG and APNGE (alternate APN), Models UPQN and UPQNE (alternate UPQN), Models APW including APHW and APQW (alternate APW), Models APWD including APHWD, APQWD (alternate APWD) and Models APWN and UPQW, open type, without transformer 6 to 30V (28V ac/dc max for LED lamp), except APWD, APWN 120V max, with transformer 100 to 480V (440V max for LED lamp), LED lamps, rated 6, 12, 15, 18, 24 and 28V ac/dc.

Pushbutton, monolever and selector type switch operator assemblies, Series TW, open types, consist of operator and/or pilot light (with or without pilot light transformer) and/or contact blocks.

Transformer, Series TW, open type for use with Series TWD, TW and TWS operators or pilot lights, primary 100-480V ac, secondary 6 to 7V ac, 1W max.

DQD No. 548-Rev B

Transformer, Series TWAR and TWAN, open type, for use with Certified illuminated pushbuttons and pilot lights, LED lamps only, primary 100 to 480V ac, 50/60Hz, secondary 6-30V ac.

Transformer, Series TWR, open type for use with Certified illuminated pushbuttons and pilot lights, rating 2W max primary 100-480V ac, 50/60Hz; secondary 6-30V ac.

Contact blocks, Series HW, HW-G and TW, open type, for use with Series TWD, TW and TWS switch operators max rating 600V ac, HD, (A600).

Note: The catalogue designations of the above units consist of the series designation may be prefixed by 2 or 3 letters and suffixed by 3 numbers or 3 numbers and a letter, denoting number of contact blocks, type of operator head, transformer rating (where applicable), number and arrangement of contacts, etc.

Notes:

1. The open type units listed above are Certified for mounting in industrial control panels or machine tool cavities, etc., where the combination is acceptable to the Canadian Standards Association.
2. TW Series Transformers and Models APWD, APWN pilot lights above 150V are Certified for use in equipment where theshort circuit capacity of the circuit is limited by fuses having ratings not exceeding the rating of the device, except 5A max for Models APWD and APWN.

Series MA (with suffixes) switch units, open type, rated as follows: MA2L, MA3L, MA8L, MA2B, MA3B and MA8B Series, contact ratings: (gold overlaid) 125V ac, 0.1A res.; 30V dc, 0.1A, res.; (silver clad) 125V ac, 3A res.; 250V ac, 2A res.; 125V ac, 2A general; 250V ac, 1.5A general; 30V dc, 2A res.; 30V dc, 2A res.; 30V dc, 1A general; 125V dc, 0.4A res.; or 125V dc, 0.2A general. Lamp ratings (MA2L, MA3L and MA8L Series): 5, 6, 12, 24 and 28V dc LED. MA2P, MA3P and MA8P Series: Lamp ratings 5, 6, 12, 24 and 28V dc LED.

Contact block assemblies, Types 022 (TWD/TW), 025 (TWS/S) and 030 (TWTD/TWT/N) series comprising Certified contact block(s) and/or Certified transformer. Switches, open type, spdt or dpdt, illuminated or non-illuminated, Model HA-C and LA-T, with suffixes, rated with suffix "1" or "2", 0.1 A, 125 V ac (Res.), 0.1 A, 30 V dc (Res.), with suffix "5" or "6", 3 A, 125 V ac (Res.), 2 A, 250 V ac (Res.), 2 A, 30 V dc (Res.), 0.4 A, 125 V dc (Res.), 2 A, 125 V ac (Ind.), 1.5 A, 250 V ac (Ind.), 1 A, 30 V dc (Ind.), 0.2 A, 125 V dc (Ind.), with suffix "0" denoting no contacts, applicable lamp, max rating 30 V ac or dc, 1/2 W.

Pilot light, HA-P Series, either LED or incandescent lamp, max rating 30 V ac or dc, 1/2 W.

Switches, open type, spdt, dpdt, or three-pole, double-throw, illuminated or non-illuminated, Model LW-C with suffixes, rated with suffix "1", "2" or "3", 0.1 A, 125 V ac (Res.), 0.1 A, 30 V dc (Res.), with suffix "5", "6" or "7", 3 A, 125 V ac (Res.), 2 A, 250 V ac (Res.), 2A, 30 V dc (Res.), 0.4 A, 125 V dc (Res.), 2 A, 125 V ac (Ind.), 1.5 A, 250 V ac (Ind.), 1 A, 30 V dc (Ind.), 0.2 A, 125 V dc (Ind.), with suffix "0" denoting no contacts, applicable lamp, max rating 30 V ac or dc, 1 W.

Pilot light, LW-P Series, either LED or incandescent lamp, max rating 30 V ac or dc, 1 W.

Contact units, Types HW-CB, HW-FB, HW-CL and HW-FL, may be followed by suffixes, contact rated A600, lamp input rated 6 to 120 V ac/dc, 1 W or transformer input rated 100 to 480 V, 50/60 Hz, or 100 to 240 V, 50/60 Hz for transformer HW-T, for assembling with operator units, Type HW with suffixes, with/without lamp to form illuminated or non-illuminated switches, consisting of Contact Blocks, Types HW-C10, -C01, -C10R, -C01R, -F10, -F01, -F10R, -F01R, -G10, -G01, -G10R and -G01R, and/or Transformers, Types TW, TW-S, HW-L and HW-T or direct adaptors, Types TW-DA1, TW-DA1F, HW-DA1, HW-DA1F and HW-GA1, and connecting units, Types HW-CB1C and -CB2C and -CBL and/or lamp.

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Notes:

1. Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined by the Canadian Standards Association.
2. These devices are Certified for use in circuits where the power is limited by a transformer, rectifier, voltage divider, or a similar device (overload devices and fuses are excluded), and where the short circuit limit between conductors or between conductors and ground is 1500VA or less, and where a fire hazard will not result from a short circuit.
3. HW series may be assembled by customer, As such, contact block(s), transformer (or direct adapter), connecting unit, operator unit and lamp may be shipped separately.

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