



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 07 INDUSTRIAL CONTROL EQUIPMENT Miscellaneous Apparatus

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SEE ALSO SATELLITE FACTORY FILES 107102 0 000

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Proximity switch (capacitive), Type DPC (with suffixes), open type, encapsulated, SCR output, N.O. rated: 5 to 200mA (Res), 5 to 100mA (gen), 90 to 250V ac, 50/60Hz.

Transformers for pilot lights, Types HW-R and HW-F, input rated 100 to 480 V, 50/60 Hz, Type HW-M, input rated 100 to 240 V, 50/60 Hz, for assembling with operator units, Type HW with suffixes and lamp.

Pilot light without transformer, Type HW-P, input rated 6 to 120 V, applicable lamp rating, incandescent lamp 6.3, 18, 24 and 30 V, 1 W and LED lamp 6, 12, 24 and 120 V.

Notes:

1. Open type devices are Certified as components for use only in other Certified types where the suitability of the combination is to be determined by the Canadian Standards Association.
2. Suffix designations indicate mechanical variations.
3. Barriers may be necessary in certain applications to insure proper spacing.

Cam switches, Models ACSNO, ACSNK, UCSQO and UCSQM each rated 5A, 120V ac res; 3A, 240V ac, res; 2A, 480V ac res; 1A, 600V ac res; 8A, 24V dc; 3A, 110V dc; 1A, 220V dc; 0.4A, 440V dc; A600 and P600 pilot duty.



Momentary pushbutton switches, open type, Model HJ1B-62, two poles (silver alloy contacts), rated 16 A*, 250 V ac, 6 A (res)*, 30 V dc, 6 A*, 30 V dc, 3A*, 50 V dc, 1-1/2 hp+, 250 V ac, 3/4 hp+, 125 V ac, Model HJ1B-72, three poles (silver alloy contacts), rated 16 A*, 250 V ac, 6 A (res)*, 30 V dc, 6 A*, 30 V dc, 3 A*, 50 V dc, 1-1/2 hp+, 250 V ac, 3/4 hp+, 125 V ac; Model HJ1B-82, three poles (two silver alloy contacts, and one gold alloy contact), rated for silver contacts, 16 A*, 250 V ac, 6 A (res)*, 30 V dc, 6A*, 30 V dc, 3 A*, 50 V dc, 1-1/2 hp+, 250 V ac, 3/4 hp+, 125 V ac, for gold alloy contact, 0.1 A*, 250 V ac, 0.3 A (res)*, 30 V dc. Model HJ1B-22, two poles (gold-plated silver alloy contacts), rated 16A*, 250V ac, 6A (res.)*, 30V dc, 6A*, 30 V dc, 3 A*, 50 V dc, 1-1/2 hp+, 250V ac, 3/4 hp+, 125 V ac; Model HJ1B-32, three poles (two gold-plated silver alloy contacts and one gold alloy contact), rated for gold-plated silver alloy contacts, 16A*, 250V ac, 6A (res.)*, 30V dc, 6 A*, 30 V dc, 3 A*, 50 V dc, 1-1/2 hp+, 250V ac, 3/4 hp+, 125V ac, for gold alloy contact, 0.1A*, 250V ac, 0.3A (res.)*, 30V dc, 6 A*, 30 V dc, 3 A*, 50 V dc.

Switch units, open type, 1 or 2 pole, single throw (NC), Models HA-E with suffixes, rated 1.5 A, 250 V ac (Gen), 3 A, 250 V ac (Res), 0.22 A, 125 V dc (Res), 0.4 A, 125 V dc (Res).

Photoelectric switches, open type, Type ISF with suffixes, input 24 to 240 V ac, 50/60 Hz and 24 to 240 V dc or 10 to 30 V dc, output 250 V ac, 1 A res., 30 V dc, 2 A res.

Notes:

1. Series HJ1B switches have also been investigated to the requirements for safety interlock switch in accordance with C22.2 No 950-M except for 3 A, 50 V dc.
2. Characters "*" and "+" indicate the switches with electrical ratings endurance tested for 100,000 cycles and 10,000 cycles of operations respectively.
3. Open type devices are certified as components for use only in other certified equipment where the suitability of the combination is to be determined by the Canadian Standards Association.

Pilot lights, Models APW and CPQW, open type, without transformer 6 to 30 V, with transformer 100 to 480 V.

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

Transformer, Series TW, TWS, HW-L and HW-T, open type for use with Series TW operator (illuminated pushbutton or selector switches) or pilot light, primary 100-480 V ac, secondary 6 to 7 V ac, 1 W.

Contact block, Series TW and HW, open type, for use with Series TW and TWS switch operators, max rating 600 V ac, A600.

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

Direct Adoptors (without transformer), Types TW-DA1, TW-DA1F, HW-DA1 and HW-DA1F and HW-GA1 for use with illuminated type switches, Series TWD, TW and TWS Certified under LR 21451.

Notes:

1. Suffix letters and/or numbers are added to series designation indicate contact arrangement and mechanical variations.
2. Series TW transformers and assemblies using Series TW transformers are certified for use in equipment where the short circuit capacity of the circuit is limited by fuses having rating not exceeding the rating of the device.
3. 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.

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