



# Certificate of Compliance

**Certificate:** 70016098

**Master Contract:** 162037

**Project:** 80120492

**Date Issued:** 2022-05-30

**Issued To:** Barksdale, Inc.  
3211 Fruitland Ave.  
Los Angeles, California, 90058  
United States

**Attention:** Chet Sahanaja

*The products listed below are eligible to bear the CSA Mark shown*

**Issued by:** *Neda Shahi*  
Neda Shahi



## **PRODUCTS**

CLASS 3231 02 - SWITCHES - Automatic - Pressure Type

Piston operated switches - Model E1S stripped (open type), Model E1H general purpose enclosure or “rainproof” CSA Encl. Type 3R followed by suffixes B, BT, F, G, H, J, K, M R or GH followed by V ac (vacuum operated only) or 15 through 500, may be followed by PLS, and/or B1 through B10, and/or E1 through E10, and/or F1 through F10, and/or V, and/or T, and/or P1 through P15, and/or Q1 through Q999, and/or BR or SS, and/or FX (Type 4X) and/or RD (with G micro switch only), and/or -S# (factory set) and or -Z1 (oxygen clean).

**Note:** Suffix letters B, BT, F, G, H, J, K, M, R and GH denote different switches with ratings as follows (reduced ratings may be used):

B, BT, K, G	15A at 125, 250 and 480V ac 2A at 600V ac 0.5A at 125V dc 0.25A at 250V dc
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H, J	15A at 125, 250 and 480V ac
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M (74)	15A at 125, 250 and 480V ac 0.5A at 125V dc 0.25A at 250V dc
R (L17)	20A at 125, 250 and 480V ac 0.05A at 125V dc 0.03A at 250V dc
GH (L22)	1A at 125V ac
F	10A at 125/250 and 480V ac 2A at 600V ac 0.4A at 125V dc 0.2A at 250V dc

Notes:

1. Maximum Adjustable Working Pressure: 20 psi is max pressure 15 models, 110 psi is max pressure 90 models, and 300 psi is max pressure 250 models.

Maximum Working Temperature of Fluid at the Control: 200°F

Fluid Media: Water

Maximum Ambient: 165°F, Model E1S-G90-Q28 is 140°F.

2. The acceptability of the lead wires for connection of Model E1S-G90-Q28 control shall be determined in the end-use application.

The leads connected to limit control (except E1S-G90-Q28) are to be wiring material rated for at least 90°C.

3. Model E1H-G250-BR-VRD is a manual reset pressure controller rated 25 - 250 psi. It has been subjected to a calibration and 6,000 Cycle Endurance Test.

**APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No. 14- 13 - Industrial Control Equipment



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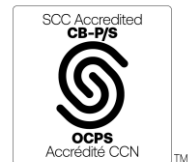
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Notes:

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Products certified under Class C323102 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). [www.scc.ca](http://www.scc.ca)





## *Supplement to Certificate of Compliance*

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
80120492	2022-05-30	Update to report 70016098 to add alternate microswitch (Model No. Z-15G-H-P7(BI) manufactured by Suns Electric) to Model E1S-F15-PLS and E1S/E1H - B15/B90.
70139815	2017-06-27	Addition of alternate microswitches.
70016098	2015-04-22	Addition of alternate materials, microswitch, nomenclature, and report corrections.
<b>History</b>		
LR 22355-71 Nov. 10, 1998		Added alternate construction of the -BR brass pressure port option on Models E1S/E1H Pressure switches.
LR 22355-66 Feb. 26, 1998		Added alternate snap-switch Micro Switch Model BZ-R370-P5 for use with Piston operated switches, Models E1S and E1H.
LR 22355-60 Aug. 15, 1996		Original Certification.