



Certificate of Compliance

Certificate: 70008702

Master Contract: 238703

Project: 70017250

Date Issued: December 22, 2014

Issued to: ProMation Engineering Inc

16138 Flight Path Dr
Brooksville, FL 34604
USA
Attention: Brian Wheeler

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.



James Cotton

Issued by: James Cotton

PRODUCTS

CLASS 3228 02 - VALVES - Actuators - For Hazardous Locations

CLASS 3228 82 - VALVES - Actuators - For Hazardous Locations-Certified to U.S. Standard

Class I, Division 1, Groups C, D; Class II, Division 1, Groups E, F, G; Class III, Division 1; T6 (85 °C)

Ex d IIB Gb T6; Ex tb IIIC T85°C Db

Class I, Zone 1, AEx d IIB Gb T6; Zone 21, AEx tb IIIC T85°C Db

Valve Actuators, model P a - bbb c d - ee series (where a = 2, 3, 4, 5, 6, 7 or 8; b = 120 or 230; c = N or PN; d = 7; ee = TS or blank); Electrical Rating: See table below; Ambient Temperature: See table below; Enclosure Rating: Type 4X, IP6x.

Model**	Volts (V)	Frequency (Hz)	Amps (A)	Output Torque	Rated Ambient (°C)	Duty Cycle (%)
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				(in-lbs / Nm)		
P2-120N7	120	60	1.0	801 / 90	-30 to +52	25
P2-120PN7	120	60	1.0	801 / 90	-30 to +65	*
P3-120N7	120	60	1.2	1335 / 150	-30 to +52	25
P3-120PN7	120	60	1.2	1335 / 150	-30 to +65	*
P4-120N7	120	60	1.3	3560 / 400	-30 to +52	25
P4-120PN7	120	60	1.3	3560 / 400	-30 to +65	*
P5-120N7	120	60	1.5	4450 / 500	-30 to +65	30
P5-120PN7	120	60	1.5	4450 / 500	-30 to +65	*
P6-120N7	120	60	1.8	5785 / 650	-30 to +52	25
P6-120PN7	120	60	1.8	5785 / 650	-30 to +65	*
P7-120N7	120	60	3.2	8900 / 1000	-30 to +52	25
P7-120PN7	120	60	3.2	8900 / 1000	-30 to +65	*
P8-120N7	120	60	4.0	13350 / 1500	-30 to +52	25
P8-120PN7	120	60	4.0	13350 / 1500	-30 to +65	*
P2-230N7	230	60	0.5	801 / 90	-30 to +52	25
P2-230PN7	230	60	0.5	801 / 90	-30 to +65	*
P3-230N7	230	60	0.5	1335 / 150	-30 to +52	25
P3-230PN7	230	60	0.5	1335 / 150	-30 to +65	*
P4-230N7	230	60	0.6	3560 / 400	-30 to +52	25
P4-230PN7	230	60	0.6	3560 / 400	-30 to +65	*
P5-230N7	230	60	0.7	4450 / 500	-30 to +52	25
P5-230PN7	230	60	0.7	4450 / 500	-30 to +65	*
P6-230N7	230	60	0.8	5785 / 650	-30 to +52	25
P6-230PN7	230	60	0.8	5785 / 650	-30 to +65	*
P7-230N7	230	60	1.6	8900 / 1000	-30 to +52	25
P7-230PN7	230	60	1.6	8900 / 1000	-30 to +65	*
P8-230N7	230	60	2.0	13350 / 1500	-30 to +52	25
P8-230PN7	230	60	2.0	13350 / 1500	-30 to +65	*

* Duty cycle is limited by the proportional control.

** Model number may or may not include suffix “TS”

Notes:

1. Valve Actuators are intended for intermittent duty.
2. Motors are rated with Class B insulation and are thermally protected.
3. Actuators with the suffix “N” have “On/Off/Jog” control, and actuators with the suffix “PN” have a proportional control.
4. Actuators with the suffix “-TS” have an additional torque switch internally.



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5. Electrical ratings of auxiliary switches are as follows: 15 A, 1/2 HP, 125 / 250 VAC; 0.6 A, 125 VDC; 0.3 A, 250 VDC.

APPLICABLE REQUIREMENTS

C22.2 No. 0-10	General Requirements - Canadian Electrical Code, Part II
C22.2 No. 139-1982 (reaffirmed 2005)	Electrically Operated Valves
C22.2 94-M91(reaffirmed 2001)	Special Purpose Enclosures
C22.2 No. 60529:05 (reaffirmed 2010)	Degrees of Protection Provided By Enclosures (IP Code)
C22.2 No. 30-M1986 (reaffirmed 2012)	Explosion-Proof Enclosures for Use in Class I Hazardous Locations
C22.2 No. 25-1966 (reaffirmed 2009)	Enclosures for Use in Class II Groups E, F, and G Hazardous Locations
C22.2 No. 60079-0:11	Explosive Atmospheres – Part 0: Equipment – General Requirements
C22.2 No. 60079-1:11	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
C22.2 No. 60079-31:12	Explosive atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”
UL 429, Fifth Edition (May 9, 2006)	Electrically Operated Valves
UL 50 11th Ed. (10/19/1995)	Enclosures for Electrical Equipment
ANSI/IEC 60529-2004	Degrees of Protection Provided By Enclosures (IP Code)
UL 1203 (Fifth Edition)	Explosion-Proof and Dust-Ignition-Proof Electrical Equipment for Use in Hazardous (Classified) Locations
UL 60079-0 (Fifth Edition)	Explosive Atmospheres – Part 0: Equipment – General Requirements
UL 60079-1 (Sixth Edition)	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
ANSI/ISA 60079-31 (12.10.03)-2013	Explosive atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”

The following standard(s) were used in whole or in part as a guideline.

C22.1-12 (Twenty-Second Edition)	Canadian Electrical Code, Part I Safety Standard for Electrical Installations
NFPA 70 (2014 Edition)	National Electrical Code
IEC 60079-0:2007 (Fifth Edition)	Explosive Atmospheres – Part 0: Equipment – General Requirements
IEC 60079-1:2007 (Sixth Edition)	Explosive Atmospheres – Part 1: Equipment Protection by Flameproof Enclosures “d”
IEC 60079-31:2008 (First Edition)	Explosive atmospheres – Part 31: Equipment Dust Ignition Protection by Enclosure “t”



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MARKINGS

See Descriptive Report