



EMERSON AUTOMATION SOLUTIONS
PELHAM FACILITY ENGINEERING DEPT
MORIN ACTUATOR PRODUCTS
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Attestation of Conformity: EN 60529 – Degree of protection IP66/ IP66M

Document No: MOR 041417-2

Issued By: Emerson Automation Solutions, Pelham, Alabama 35124.

Manufacturer: Emerson Automation Solutions, Pelham, Alabama 35124.

Product types: Pneumatic Actuators.

Model Reference: Series A, B, C, and S (See model list on following page).

Test Laboratory: National Testing Systems (NTS) – Huntsville Operation, 7800 Highway 20 West, Huntsville, AL 35806

NTS Project No: PR060577 - Testing of Pneumatic Actuators

NTS Test Report No: PR060577-01 Rev 0 (See attached)

Requirements: IP66 / IPX66M Ingress Protection test (EN 60529:1991+A1:2000+A2:2013 (IP66, IP66M)

Emerson Automation Solutions declares the above described products meet the above mentioned technical specification. This attestation of conformity is issued based on the test results as laid down in the NTS Test Report referenced above where three representative actuators were independently observed to meet the IP66/ 66M criteria. The actuators tested are representative of the entire range of the A, B, C, and S series by common parts or common design philosophy and by simple scalability. All vent ports must be protected using environmental piping or piped to a protected location.

Date of Issue: 4/19/2017

A handwritten signature in blue ink, appearing to read "Bill Chitty", with a long horizontal flourish extending to the right.

Bill Chitty
Engineering Manager, Morin Actuator Products
Emerson Automation Solutions – Pelham Alabama Facility.



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Attestation of Conformity Model list

Series: A Models: 006, 012, 023, 036, 046, 050, 058, 059, 072, 100, 135, 210, 270, 344, 345, 420.

Series: B Models: 006, 015, 023, 036, 046, 050, 058, 059, 072, 100, 135, 210, 270, 344, 345, 370, 420, 575, 740, 944, 945, 1150, 1485, 1934, 1935, 2385, 3071, 3072, 3731, 4533, 4534, 6045, 7114.

Series: C Models: 135, 210, 270, 344, 345, 370, 420, 575, 740, 944, 945, 1150, 1485, 1934, 1935, 2385, 3071, 3072, 3731, 4533, 4534, 6045, 7114.

Series: S Models: 006, 012, 023, 036, 046, 050, 058, 059, 072, 100, 135, 210, 270, 344, 345, 370, 420, 575, 740, 944, 945, 1150, 1480, 1929, 1930, 2380.



National Technical Systems – Huntsville Operations
7800 Highway 20 West
Huntsville, AL 35806

Main: 256-837-4411
Fax: 256-721-0144
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Certificate of Conformance

Date: 04/19/14

Customer/Manufacturer:

Pentair Valves and Controls
110 Commerce Drive
Pelham, AL 35124

Purchase Order Number: 4500265556

NTS Certificate Number: PR060577-01 Rev. 0

National Technical Systems (NTS) certifies that the below referenced test item(s) have been subjected to the specified tests set forth in the Purchase Order referenced above.


The Unit(s) Under Test (UUT) were tested to AND complied with requirements set forth in the References below.

Refer to the table below for a list of testing details.

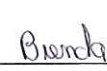
Qty.	Test Item Description	P/N	S/N	Test Method	Test Specification	Test Dates	Pass/Fail
1	A Series Actuator	A-023M-S080	060577-01	Ingress Dust Ingress Water	IEC 60529 IP66M	04/06/17 through 04/10/17	Pass
1	S Series Actuator	S-0460C-S080-G	060577-01				Pass
1	A Series Actuator	A-210M-S080	060577-03				Pass

References

- Pentair Valves and Controls Purchase Order Number 4500265556 dated 03/16/2017
- NTS Quotation Number OP0215167-00 dated 03/16/2017
- NTS Project Number PR060577, *Ingress Protection Testing of Pneumatic Actuators*
- IEC 60529 Edition 2.1 2001-02, *Degrees of protection provided by enclosures (IP Code)*
- ISO/IEC 17025:2005(E), *General Requirements for the Competence of Testing and Calibration Laboratories*, May 15, 2005


19 Apr 2017
Benjamin W. Turnbull,
Preparer


4/19/17
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Program Manager


Morse 4/19/17
Rick Davis,
Quality Assurance Manager

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