

CERTIFICATE OF CONFORMITY



1. **HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
2. **Certificate No:** FM19US0105X
3. **Equipment:** Model CA40X, CB50X, R10X, F60X, SD25X, SK30X, SB30X,
(Type Reference and Name) AK, AB, AP, AH, AG, AQ, AVX, AVS, AXH, ZA30X, R30X,
RH10X Load Cells
4. **Name of Listing Company:** SCAIME
5. **Address of Listing Company:** 294 rue Georges Charpak
Juvigny 74100
France
6. The examination and test results are recorded in confidential report number:
3025212 dated 4th August 2006
7. FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:
FM Class 3600:2018, FM Class 3610:2010, FM Class 3611:2018,
ANSI/ISA-12.12.01:2015, FM Class 3810:2018,
8. If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
9. This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
10. **Equipment Ratings:**
Intrinsically safe for Class I, II and III, Division 1, Groups A, B, C, D, E F and G; Nonincendive with Nonincendive Field Wiring for Class I, II and III, Division 2, Groups A, B, C, D, E, F and G hazardous (classified) locations, temperature class T6, for $T_a \leq +60^{\circ}\text{C}$; in accordance with Control Drawing 011002.

Certificate issued by:

J.E. Marquedant
VP, Manager - Electrical Systems

24 September 2019

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



US Certificate Of Conformity No: FM19US0105X

11. The marking of the equipment shall include:

I.S., CL I, II, III / DIV 1 / GP ABCDEFG;
N.I., CL I, II, III / DIV 2 / GP ABCDEFG; NIFW;
T6 Ta = 60°C
DWG. 011002

12. **Description of Equipment:**

General – The load cells operate according to basic deformation beam principles, where the load information is measured by strain gauges. These strain gauges are installed in a wheatstone bridge whose imbalance is proportional to the load being measured.

Construction - The load cells' enclosures can be either stainless steel or aluminum.

Ratings - $U_i = 28V$, $I_i = 1A$, $P_i = 1.25W$, $C_i = 0$, $L_i = 0$.

Models CA40X, CB50X, R10X, F60X, SD25X, SK30X, SB30X, AK, AB, AP, AH, AG, AQ, AVX, AVS, AXH, ZA30X, R30X, RH10X. Load Cells.

13. **Specific Conditions of Use:**

For aluminum enclosures: The enclosure contains aluminum and is considered a potential source of ignition by impact or friction. Care must be taken during installation to prevent impact or friction.

14. **Test and Assessment Procedure and Conditions:**

This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
4 th August 2006	Original Issue.
30 th March 2007	<u>Supplement 1:</u> Report Reference: – Revision Report 3025212rev070123 dated 30 th March 2007. Description of the Change: Addition of model CB50X.
13 th December 2011	<u>Supplement 2:</u> Report Reference: - 3043477 dated 13 th December 2011. Description of the Change: The FM 3610 certification was updated to the 2010 edition.

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

SCHEDULE



Member of the FM Global Group

US Certificate Of Conformity No: FM19US0105X

24 th September 2019	<p><u>Supplement 3:</u> Report Reference: – PR453248 dated 24th September 2019. Description of the Change: The load cells are reinstated in the FM Approval Guide. Addition of models AVX, AVS, AXH, ZA30X, R30X and RH10X. The original certificate 3025212coc is updated to the new format.</p>
---------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com