

IECEx Certificate of Conformity

		LECTROTECHNICAL CO	
		ils of the IECEx Scheme visit www.iecex.o	
Certificate No.:	IECEx SIR 12.00312	X issue No.:2	Certificate history: Issue No. 2 (2016-9-27)
Status:	Current		Issue No. 1 (2013-2-22) Issue No. 0 (2012-4-3)
Date of Issue:	2016-09-27	Page 1 of 4	
Applicant:	Emerson Process 19200 Northwest Fre Houston Texas 77065 United States of A		с.
Equipment: Optional accessory:	Circuit Breaker Moo (RDM)	dule (CBM), Push Button Module (PBM)), Remote Display Module
Type of Protection:	Flameproof and Du	st Protection by Enclosure	
Marking:	Ex d IIB + H2 T6 Gb Ex tb IIIC T85°C Db I	IP66	
Approved for issue on Certification Body:	behalf of the IECEx	A G Boyes	
Position.		Certification Support Officer	
Signature: (for printed version)		-	
Date:		2016-09-27	
2. This certificate is no	schedule may only be rep ot transferable and remain henticity of this certificate	produced in full. Ins the property of the issuing body. may be verified by visiting the Official IEC	CEx Website.
Certificate issued by: SIRA	Certification Service	-	
Haward	CSA Group lawarden Industrial Park den, Deeside, CH5 3US United Kingdom	CERTIFICATION	Group

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Manufacturer:	Emerson Process Managem 19200 Northwest Freeway Houston Texas 77065 United States of America	ent Valve Automation, Inc.					
Additional Manufacturing	location(s):						
found to comply with the covered by this certificate	IEC Standard list below and that the manufa e, was assessed and found to comply with th	ve of production, was assessed and tested and cturer's quality system, relating to the Ex products e IECEx Quality system requirements. This eme Rules, IECEx 02 and Operational Document					
	and any acceptable variations to it specified comply with the following standards:	in the schedule of this certificate and the identified					
IEC 60079-0 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements						
IEC 60079-1 : 2007-04 Edition: 6	4 Explosive atmospheres - Part 1: Equipr	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"					
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres – Part 31: Equip	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'					
This Certificate does	not indicate compliance with electrical safety expressly included in the Standar	and performance requirements other than those rds listed above.					
Test Report:	ment listed has successfully met the examina	ation and test requirements as recorded in					
GB/SIR/ExTR12.0077/00	O GB/SIR/ExTR13.0023/00	GB/SIR/ExTR16.0230/00					
Quality Assessment Rep	ort:						
GB/SIR/QAR06.0045/03							



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Circuit Breaker Module (CBM) and Pushbutton Module (PBM) enclosures are cast from aluminium alloy. Both module enclosures consist of the same housing and similar bolt-on covers. Four M8 x 1.25, 316 stainless steel screws, 31 mm long are used to secure the PBM cover to the housing, while four M8 x 1.25, 316 stainless steel screws, 25 mm long are used to secure the CBM cover to the housing. The flameproof construction difference between the modules is that the PBM cover may include multiple external operators or pilot lights, whereas the CBM cover contains only one external operator. The housing contains three 1 inch NPT conduit openings for conduit or cable connections. An O-ring is present between the housing and bolt-on cover, as well as between the external operators/pilot lights and covers

The RDM module enclosure is cast from aluminium alloy and consists of a cover that bolts to the enclosure base using 4 M8-1.25 stainless steel bolts. The enclosure contains 3 1 inch NPT conduit openings. An O-ring is present between the enclosure base and bolt-on cover. The free internal volume for the RDM module is 56 cubic inches (918 cubic cm).

The CBM Module has electrical ratings of 480 V, 67 A, the PBM Module is rated 115 V, 10 A and the RDM is rated at 120 V, 1.5 A.

Conditions of Manufacture

The Manufacturer shall comply with the following:

- The equipment covered by these certificates relies on optional previously certified devices. When these 1. devices are used as part of the equipment, they shall be used within the conditions/limitations of their own certificates.
- 2. The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the conditions associated with the equipment. In addition, the manufacturer shall provide the user/installer with an appropriate copy of the certificate for each certified device that is fitted to the equipment. 3.
 - Any entry devices installed by the manufacturer shall be suitable for the application and certified

CONDITIONS OF OER HEACAPTION: DPES as shown below:

- 1. The M8 fasteners used to secure the cover to the enclosure are of property class (or 'grade') 8.8.
- Replacement fasteners shall meet this minimum value.
- 2. The dimensions of the flameproof spigot joint are other than the relevant minimum required by table 2 (for IIB + H2) of IEC 60079-1:2007, as detailed below:

Flamepath Description	Type of joint	Minimum Width	'L' (mm)	Maximum Gap	'ic' (mm)
Cover to enclosure	Spigot	Total	27.7	Total	-
(All models)		Flanged part	8.8	Flanged part	0.05
		Cylindrical part	19.8	Cylindrical part	0.18
PB actuator assembly (PBM & CBM)	Cylindrical	14.2		0.08	
SS lock handle assembly (PBM & CBM)	Cylindrical	15.7		0.08	
CKT BKR assembly (PBM & CBM)	Cylindrical	15.7		0.08	

Gaps shall not be machined to be any larger than the values of 'ic', and widths shall not be modified to be any smaller than the values of 'L', shown in the table above

The user/installer shall assemble/install this equipment taking into account any restrictions or Special Conditions 3. for Safe Use that are applicable to the previously certified devices that are used in its construction.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 – this Issue introduced the following change:

- The recognition of drawing changes that provide information on selection of suitable entry devices
 The recognition of new Conditions of Manufacture and a Condition of Certification.
- Issue 2 this Issue introduced the following changes:

Texas 77489

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The company name and address was changed:From:To:Emerson Process Management Valve Actuation LLCEmers13840 Pike Road19200Missouri CityHouston

Emerson Process Management Valve Automation Inc. 19200 Northwest Freeway Houston Texas 77065