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**Annex to IECEx Certificate of Conformity**

**IECEx EMT 19.0011X issue No.: 1**

<b>“Special conditions for manufacture”</b>
1. None

<b>Routine Tests</b>
1. None

<b>Model part number breakdown.</b>	
Part number nomenclature 1 refer to Drawing A190352-IS	
<b>Feature code</b>	<b>Nomenclature</b>
0	Model V or CA
1	Connected Solenoid I, O
2	Control Board Configuration I, Y
3	No of Additional Function Devices 0, 1, 2, 3, 4, 5, 6
4	Function 01, 14, 16, 17, 25, 40, 42, 43, 70
5	Enclosure S, L, 9
6	Conduit size Z, Y, X, W, V, U, T, S, R, Q, P, N, M, L, K, J
7	Output Drive S, N
8	Indicator R, B, E, Y, C, O
9	System Communication 0, 2
10	Control Board Power E, L, O
11	Feature Information 1XX, 3XX

Part number nomenclature 2 refer to Drawing A190352U-IS

<b>Feature code</b>	<b>Nomenclature a a1 a2 a3 b cc d ee ff – g h ii j k l m – n n1 o p qq</b>
a	Model V or CA
a1	Control card fitted A, I, O
a2	Solenoid to be Connected (into Control Board) I, O
a3	Control Board Configuration D, B, W
b	No of Primary function 0, 1, 2, 3, 4, 5, 6
cc	Primary Function 00, 14, 16, 17, 25, 30, 40, 42, 43, 45, 46, 47, 48, 49, 70, 71, 72, 73
d	No of Secondary function 0, 1, 2, 3, 4
ee	Secondary function 00, 14, 16, 17, 25, 30, 40, 42, 43, 45, 46, 47, 48, 49, 60, 70, 71, 72, 73
ff	Non-Standard Switch/Sensor Designator OO, 2 Digit Alpha number from register
-	-
g	Material A, L, S
h	Cover Size S, T, R
ii	Coating OO, 2 Digit Alpha number from register
j	Conduit Entries for Connection 4, 8, D, H, K, L, M, N, P, Q, R, S, T, U, V, W, X, Y, Z
k	Shaft N, S
l	Indicator R, B, E, Y, C, O
m	No of Extra/Spare Terminals 0, 2, 4, 6, 8, A, B, C, D
-	-
n	Communication Protocol 0, 2, 4, 7, 9, F
n1	Control Board Power E, L, O
o	Regional Certification/ Applicable labelling W
p	Hazardous Feature S, Z
qq	Special Feature OO, 2 Digit Alpha number from register

Example part number: VADD216000OO-ASOO2MR2-2E-WZOO

<b>Table of Ambient temperature ranges</b>			
Assembly Component/Function	Ambient temperature ranges for Unit (°C)		
	Minimum ambient (°C)	Maximum ambient T6 / T85°C	Maximum ambient T4 / T135°C
<b>Base Exd Enclosure</b>			
Model VO - No Control Board Fitted & No Intrinsically Safe Components Old Nomenclature - Function - Various New Nomenclature - Function - Various	-40	60	85
<b>Non-I.S. Version of Control Board in Exd Enclosure</b>			
Model VA- only control board fitted Old Nomenclature - Function 01 New Nomenclature - Function 00	-40	60	85
<b>Intrinsically Safe Components</b>			
Model VA - only control board fitted Old Nomenclature - Function 01 New Nomenclature - Function 00	-30	60	80
Model VA or VO - with volt-free contact switches (in line with Section 5.7 of 60079-11:2012 ) Old Nomenclature - Functions 14, 16, 17, 25, 40 New Nomenclature - Functions 14, 16, 17, 25, 30, 40, 73	-40	40	85
Model VA or VO - with proximity sensors (manufacturer: Hans Turck) Old Nomenclature - Functions 42, 43 New Nomenclature - Functions 42, 43, 47	Refer to Component Information in A190354 rev.E	50	70 (selected sensors only - see below)
Model VA or VO - with proximity sensors (manufacturer: Pepperl & Fuchs) Old Nomenclature - Functions 42, 43 New Nomenclature - Functions 42, 43, 45, 46, 48, 49	Refer to Component Information in A190354 rev.E	50	75

Model VA or VO - with transmitter (manufacturer: Zettlex) Old Nomenclature - Function 70 New Nomenclature - Function 70, 71, 70 (with 60 2nd Function)	-40                      50                      75
Model VA or VO - with transmitter (manufacturer: PR Electronics) Old Nomenclature - Function 70 New Nomenclature - Function 72	-40                      50                      75
Note: for models fitted with more than one Function Device, the $T_{amb}$ would revert to worst case e.g. Combination of VA Model with control board and transmitter fitted, $T_{amb}$ -30 °C to 50 °C for T6.	

<b>Tables of entity parameters</b>

**1.0 - VA, CAA variant with only control board fitted**

For the Type V enclosure using the Exi variant of the main control board, refer to document A190372 for the Intrinsically Safe parameters that relate to the control board. The equipment will be marked accordingly.

**1.1 - VO, CAO variant with no control board fitted.**

The VO Variant of the Type V unit which does not contain a Control Board.

It only includes switches, certified sensors or transmitters, refer to document A190354 for the Intrinsically Safe parameters. The equipment will be marked accordingly.

DUAL CERTIFIED COMPONENTS IECEx, UKEX and ATEX contain

- 1.1.1 Simple Apparatus Components
- 1.1.2 Hans Turck Sensors
- 1.1.3 Pepperl & Fuchs Sensors
- 1.1.4 Zettlex Transmitter

<b>Manufacturer's Documents</b>			
Title:	Drawing No.:	Rev. Level:	Date:
Type V & CA - Master Model Description Exi - Versions Only	A190352-IS	B	2022-06-08
Type V - Exi – Master Model Description	A190352U-IS	A	2022-06-08
TITLE PLATE IECEx/ATEX/UKCA Unit	A160225	I	2022-03-22
Installation, Operating & Maintenance Type V - IECEx/ATEX - I.S. Version (2 sheets)	A190379-V-IOM-003-IS	E	2022-03-22
Type V Controller – General Layout	J100479	D	2019-11-18
VA Assembly w/ 2x NJ2-V3-N (2 sheets)	VAII242SZSR2L3OO	A	2019-11-18
Type VO Controller w/ 4x Reed Switch (2 sheets)	VOOI425SZSR001SW	-	2019-11-18
Control Board Intrinsically Safe Information – Type VA and VO variants (4 sheets)	A190372	E	2022-02-04
Characteristics for Additional Electrical Equipment Integrated Into Type V Enclosure – Ambient Temperature and Intrinsically Safe Reference Document (23 sheets)	A190354	E	2022-08-09
TITLE PLATE IECEx/ATEX/UKCA Unit	A160225-CA	-	2022-06-08
IOM –CA-Exi-ATEX/UKCA	A190379-CA-IOM-003-IS	-	2022-03-22

*Note: The symbol “ - ” indicates that this information was not available.*



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.