



Annex to IECEx Certificate of Conformity

IECEx TRC 13.0004X issue No.:6

Routine Tests
1. The Aluminium enclosures shall be subjected to a routine pressure test in accordance with IEC 60079-1:2007, Clause 16.1 at a minimum pressure of 14.93 bar for at least 10 seconds. There shall be no permanent deformation of the joints, damage to the enclosure or leakage through the walls.

Special conditions for manufacture
1. The input parameters markings for the intrinsically safe components shall be determined from their respective certificate numbers depending upon whether they are required for IECEx. 2. Care should be taken to ensure that the minimum and maximum temperature information on the intrinsically safe components used within the V and CA valve controller is observed and satisfies the T_{amb} parameters and the T-class for the V and CA units. 3. Note that minimum ambient markings will depend on approved intrinsically safe components, if fitted, as will the parameters. Units will be marked accordingly at the point of manufacture in line with their individual intrinsically safe equipment approvals. However minimum permitted ambient in all cases is -40 °C.

Table of entity parameters															
<table border="1"> <thead> <tr> <th colspan="3">Table of entity parameters</th> </tr> <tr> <th>Parameter</th> <th>Proximity sensor</th> <th>Transmitter</th> </tr> </thead> <tbody> <tr> <td>Ui</td> <td rowspan="4">Replication of parameters listed on fitted approved Sensor certificate.</td> <td rowspan="4">Replication of parameters listed on fitted approved Transmitter certificate.</td> </tr> <tr> <td>li</td> </tr> <tr> <td>Pi</td> </tr> <tr> <td>Ci</td> </tr> <tr> <td>Li</td> <td></td> <td></td> </tr> </tbody> </table>	Table of entity parameters			Parameter	Proximity sensor	Transmitter	Ui	Replication of parameters listed on fitted approved Sensor certificate.	Replication of parameters listed on fitted approved Transmitter certificate.	li	Pi	Ci	Li		
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Part numbering information

Part number nomenclature 1 refer to Drawing A190352-EXD

Feature code	Nomenclature
0	Model V or CA
1	Connected Solenoid D, O
2	Control Board Configuration D, P
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, 1, 2, 3, 4, 5, 6, 7, 8, 9
10	Control Board Power C, E, L, P, O
11	Feature Information DXX, 1XX, 3XX

Example part number: VADD217SYSR2E-100

Part number nomenclature 2 refer to Drawing A190352U-EXD

Feature code	Nomenclature a a1 a2 a3 b cc d ee ff – g h ii j k l m – n n1 o p qq
a	Model V or CA
a1	Control card fitted A, I, O, S
a2	Solenoid to be Connected (into Control Board) D, O
a3	Control Board Configuration D, H, P, B, W,
b	No of Primary function 0, 1, 2, 3, 4, 5, 6
cc	Primary Function 00, 14, 16, 17, 25, 26, 30, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 70, 71, 72, 73, 74, 90, 91
d	No of Secondary function 0, 1, 2, 3, 4
ee	Secondary function 00, 14, 16, 17, 25, 26, 30, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 70, 71, 72, 73, 74, 90, 91
ff	Non-Standard Switch/Sensor Designator OO-Standard Function, 2 Digit Alpha number from register
-	-
g	Material A, L, S
h	Cover Size S, R
ii	Coating OO-Natural finish, 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, N, C, O, 1, 2, 3, 4, 5, 6
m	No of Extra/Spare Terminals 0, 2, 4, 6, 8, A, B, C, D
-	-
n	Communication Protocol 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, F
n1	Control Board Power C, E, L, P, O
o	Regional Certification/ Applicable labelling W
p	Hazardous Feature D, C
qq	Special Feature OO-No Feature, 2 Digit Alpha number from register

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

Manufacturer's Documents			
Title:	Drawing No.:	Rev. Level:	Date:
External Earthing Clamp	A100353	-	2008-09-22
Type V - Master Model Description Ex d [ia] Variant	A190352-EXD	B	2021-02-05
Type V - Exd - Master Model Description	A190352U-EXD	First	2022-02-03
Characteristics for Additional Electrical Equipment Integrated Into Type V Enclosure – Ambient Temperature and Intrinsically Safe Reference Document (23 pages)	A190354	E	2022-08-09
TITLE PLATE IECEx/ATEX/UKCA Unit	A160190	H	2022-03-21
TITLE PLATE IECEx/ATEX/UKCA Unit	A160249	A	2022-03-18
Type V Unit – Housing	C100190	H	2020-10-09
Type V StSt Cover	C110150	D	2020-10-09
Type V General Layout	J100411	D	2020-10-09
Type V Shaft Assembly	J100418	B	2020-10-09
Flamepath Gaps in Type V Assembly	J100419	C	2020-10-22
Volume Calculation for Type V Assembly	J100420	B	2020-10-09
Type V General Layout	J100421	B	2020-10-09
Type V - Exd Requirements	J100422	B	2020-10-09
Installation, Operating and Maintenance, Type V - IECEx/ATEX (3 pages)	V-IOM-004	B	2022-03-18
Type VS Unit – w/ 2 x V3 Mech	VSDD216SZSR0-IOO	-	2020-10-09
IVC/IDC/IHP24 Identification Format	A190281-VAL	C	2020-10-22
Type V Unit - Housing - Al	C100200	A	2020-10-22
Type V Cover – Al	C110151	A	2020-10-22
Installation, Operating and Maintenance, Type CA - IECEx/ATEX (3 pages)	CA-IOM-004	A	2022-03-18