



1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 11ATEX1356X** Issue: **4**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC)
Type 'ST' Water Chiller Units**

5 Applicant: **Stolway Pty. Limited**

6 Address: Warehouse 2
91-95 Montague St
Wollongong
NSW 2500
Australia

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 2 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012/A11:2013

EN 60079-14:2014

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 G

Ex II* T* Gb (Ta = -*°C to +*°C)

Notes:

1. * The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted.
2. The marking that is shown is a typical example s e the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit.

Project Number 80021400

Signed: J A May

Title: Director of Operations

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13 DESCRIPTION OF EQUIPMENT

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H2	T3 or T4	-20 to +60°C
Compressor assembly	TPS 06ATEX1166X	'II 2 G cb'	IIC	T3	-20 to +50°C
Compressor assembly	TPS 06ATEX1230X	Ex d	IIC	T3	-20 to +50°C
Compressor assembly	TPS 05ATEX1127X	'II 2 G cb'	IIC	T3	-20 to +50°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or	IIC	T4	-40 to +60°C
		Ex mb	IIC	T4	-40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3①	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3②	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3③	-20 to +60°C
Motor	CESI 02 ATEX 045X	Ex d	IIC	T6, T5, T4 or T3④	-35 to +40°C -50 to +40°C
Motor	CESI 02 ATEX 123	EEx d or EEx de	IIC	T6, T5, T4 or T3⑤	-20 to +60°C
Motor	CESI 06 ATEX 059	Ex d	IIB	T4 or T3	-20 to +60°C
Motor	CESI 06 ATEX 060	Ex d	IIC	T4 or T3	-20 to +60°C
Motor	Sira 06ATEX3110X	Ex e	II	T3	Refer to certificate
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	KEMA 01 ATEX 2145 X	Ex d	IIB + H2 IIB	T6, T5 or T4	Refer to certificate
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Junction boxes	Sira 99ATEX3200X	Ex e Ex ia	IIC	T6, T5 or T4	Refer to certificate
Junction boxes	PTB 00 ATEX 3116	EEx edm [ia] EEx ia/ib	IIC IIA/IIB/IIC	T6, T5 or T4	Refer to certificate
Junction boxes	LOM 02 ATEX 2022	Ex e	II	T6	-40 to +55°C

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction boxes	PTB 09 ATEX 1108	Ex d e ia/lb	IIA,IIB,IIC	T6, T5 or T4	Refer to certificate
Junction boxes	PTB 01 ATEX 1016	EEx edm ia/lb [ia]	IIC/IIB/IIA	T6, T5 or T4	Refer to certificate
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0057X	EEx d EEx e	IIC II	N/A	-60 to +80°C
Cable glands	Sira 06ATEX1283X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	Sira 06ATEX1097X	Ex d Ex e	IIC II	N/A	Refer to certificate
Cable glands	Sira 10ATEX1172X	Ex d Ex e	IIC IIC	N/A	-60 to +85°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	PTB 00ATEX 2081	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	CESI 04 ATEX 143	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	Baseefa 07ATEX 0211	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	IBExU 10 ATEX 1044	[Ex ia]	IIC/IIB/IIA	N/A	-20 to +65°C
IS barrier	IBExU 07 ATEX 1069	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IBExU 10 ATEX 1005	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°C

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- ① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/B annexed to the EC-Type examination certificate.
- ② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.
- ③ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.
- ④ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/6100/C annexed to the EC-Type examination certificate.
- ⑤ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/C annexed to the EC-Type examination certificate.

Variation 1 - This variation introduced the following changes:

- i. The following table lists the introduction of additional ATEX devices and amendment of the Concept (#) or Item description (*) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Solenoid	PTB 03 ATEX 2018X	Ex mb	IIC	T6, T5 or T4	Refer to certificate
Motor	Sira 10ATEX1001X	Ex d	IIB	T4 or T5	Refer to certificate
Motor	CESI 11 ATEX 052X	Ex d Ex de	IIB IIB	T4, T3 T4, T3	Refer to certificate
Motor	CESI 12 ATEX 014X	Ex d Ex de	IIC IIC	T4, T3 T4, T3	Refer to certificate
Motor	Baseefa 07ATEX0295X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 07ATEX0296X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0298X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0299X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0300X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0301X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Electrical enclosure #	BKI 06ATEX050	Ex d Ex db [ia/ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure #	BKI 08 ATEX 019	Ex d Ex db [ia] Ex db [ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	BKI 11 ATEX 0019	Ex db Ex db [ia] Ex db [ib]	IIC	T6...T3	Refer to certificate
Electrical enclosure	CESI 01 ATEX 027	Ex d	IIB + H2 IIB	T6, T5 or T4	Refer to certificate
Electrical enclosure	CESI 01 ATEX 036	Ex d	IIC	T6, T5 or T4	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Electrical enclosure	CESI 02 ATEX 073	Ex d [ia]	IIB + H2 IIB	T6 or T5	Refer to certificate
Electrical enclosure	IMQ 11 ATEX 031	Ex d Ex d e [iaGa] Ex d e [ibGb]	IIB + H2	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Junction box / Enclosure *	Sira 99ATEX3200X	Ex e Ex ia	IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	PTB 00 ATEX 3116	EEx edm [ia] EEx ia/ib	IIC IIA/IIB/IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	PTB 09 ATEX 1108	Ex d e ia/ib	IIA,IIB,IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	PTB 01 ATEX 1016	EEx edm ia/ib [ia]	IIC/IIB/IIA	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	PTB 99 ATEX 3103	EEx e EEx ia/ib EEx em	II IIA/IIB/IIC II	T6/T5 T6/T5 T6/T5/T4	Refer to certificate
Junction box / Enclosure *	LOM 02 ATEX 2022	Ex e	II	T6	-40 to +55°C
Junction box / Enclosure	LOM 02ATEX2024	Ex e Ex ed	II IIC	T6	-40 to +55°C
Junction box / Enclosure	CESI 03 ATEX 333	EEx e EEx e [ia] EEx ia	II IIC IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	KEMA 10ATEX0050	Ex e Ex e [ia] Ex ia	IIC	T6...T4	Refer to certificate
Junction box / Enclosure	INERIS 02 ATEX 0067X	EEx e EEx ia EEx e[ia]	II IIB/IIC IIB/IIC	T5, T4 or T3	Refer to certificate
Junction box / Enclosure	INERIS 03 ATEX 0027X	EEx e EEx ia EEx e[ia]	II IIB/IIC IIB/IIC	T5, T4 or T3	Refer to certificate
Plug / Reducer / Accessory *	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plug / Reducer / Accessory *	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plug / Reducer / Accessory *	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory *	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	Sira 08ATEX1288U	Ex d Ex e	IIC	N/A	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Plug / Reducer / Accessory	ITS 13ATEX17782U	Ex d Ex e	II IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	LOM 03ATEX3096U	EEx d EEx d EEx e	IIB IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	LOM 06ATEX3079U	EEx d EEx d EEx e	IIB IIC II	N/A	Refer to certificate

ii. To replace the T class noted in Section 12, Marking, with 'T*'.
Variation 2 - This variation introduced the following changes:

- i. Change the certificate type from "EC Type-Examination" to "Type Examination".
- ii. To permit a change to the manufacturer's name from Stolway Holdings Pty Limited to Stolway Pty. Limited.
- iii. The equipment that is permitted for installation under Sira 11ATEX1356X is updated as follows:

Certificate	Standard Edition	Description	Ex Marking
Sira 07 ATEX 1286	EN60079-0:2006 EN60079-1:2007	Compressor Assembly	II 2 G Ex d IIB+H2 T4 (Ta= -20 to +60°C)
TPS 13 ATEX 55283 007 X	EN1127-1:2011 EN13463-1:2009 EN60079-0:2009	Compressor of the series EX-HG(X)4; EX-HG(X)5; EX-HG(X)6	II 2G IIC T3 Gb II 2G IIB T3 Gb
TPS 13 ATEX 55283 008 X	EN1127-1:2011 EN13463-1:2009 EN60079-0:2009	Compressor of the series EX- HG(X)12; EX-HG(X)22; EX-HG(X)34	II 2G IIC T3 Gb II 2G IIB T3 Gb
Sira 10 ATEX 3053X	EN60079-0:2009 EN60079-7:2007	Heating Element Assembly	II 2 G Ex e IIC T3 Gb (Ta = -40°C to +55°C) Ex e IIC T5 Gb (Ta = -40°C to +44°C)
Sira 08 ATEX 5106X	EN60079-0:2006 EN60079-18:2004 EN60079-26:2007	SX024DC, SX024DC (CS), SX110AC, SX230AC Solenoid Coils	II 1 G Ex ma IIC T4 IP66 (for type SX024DC & SX024DC (CS) (Ta = -40°C to +60°C) II 2 G Ex mb IIC T4 IP66 (for type SX110AC and SX230A) (Ta = -40°C to +60°C)
LCIE 03 ATEX 6451X	EN60079-0:2006 EN60079-1:2004 EN60079-18:2004	Electrovalves - Type : .../495900... or .../495905...	Ex d mb IIC T* Gb
PTB 03 ATEX 2018X	EN60079-0:2006 EN60079-18:2004	Solenoid, type 0515..and type 1215	II 2 G EEx m II T6, T5 or T4

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Certificate	Standard Edition	Description	Ex Marking
Sira 10ATEX1001X	EN60079-0:2009 EN60079-1:2007	The Range of HPD Flameproof Induction Motors Frame Size 80 to 315	I M2 c II 2 G c 135°C (T4) Ex d I Mb Ex d IIB T4 Gb (Motor de-rated to 75% rating, see option 22 in the description) I M2 c II 2 G c 100°C (T5) Ex d I Mb Ex d IIB T5 Gb
CESI 11 ATEX 052X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	Three Phase asynchronous motor series MAK,MAKe 180-250	II 2 G Ex d IIB T4, T3 Gb II 2 G Ex d e IIB T4, T3 Gb
CESI 12 ATEX 014X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	Three Phase asynchronous motor series MAK,MAKe 180-250	II 2 G Ex d IIC T4, T3 Gb II 2 G Ex d e IIC T4, T3 Gb
CESI 06 ATEX 059	EN60079-0:2006 EN60079-1:2004	Three Phase and mono phase asynchronous motor series MAK 56-160	II 2G Ex d IIB T4 or T3
CESI 06 ATEX 060	EN60079-0:2006 EN60079-1:2004	Three phase and mono-phase asynchronous motors series MAK 56 - 132	II 2G Ex d IIC T4 or T3
Baseefa 07 ATEX 0295X	EN60079-0:2006 EN60079-1:2004	A Low Voltage A.C Motor Frame Size 132	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 07 ATEX 0296X	EN60079-0:2006 EN60079-1:2004 EN60079-7:2006	A Low Voltage A.C Motor Frame Size 132	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0298X	EN60079-0:2006 EN60079-1:2007	A Low Voltage A.C Motor Frame Sizes 80 and 90	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0299X	EN60079-0:2006 EN60079-1:2007 EN60079-7:2007	A Low Voltage A.C Motor Frame Sizes 80 and 90	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0300X	EN60079-0:2006 EN60079-1:2007	A Low Voltage A.C Motor Frame Sizes 100 and 112	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0301X	EN60079-0:2006 EN60079-1:2007 EN60079-7:2007	A Low Voltage A.C Motor Frame Sizes 100 and 112	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
TÜV IT 14ATEX 050 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Three phase and single phase asynchronous electric motors ATEX Regal series, type AC..r 63 – AC..r 315 Three phase and single phase brake motors ATEX Regal series, type DC..r63 – DC..r315 and type HC..r71 – HC..r160	II 2G Ex d IIC T6...T3 Gb Tamb: -50°C ÷ +60°C II 2G Ex d e IIC T6...T3 Gb Tamb: -50°C ÷ +60°C (Refer to certificate for different ambient temperatures)

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Certificate	Standard Edition	Description	Ex Marking
TÜV IT 14 ATEX 065 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Three phase and single phase asynchronous electric motors ATEX Regal series, type AB..r 63 – AB..r 315 Three phase and single phase brake motors ATEX Regal series, type DB..r63 – DB..r315 and type HB..r71 – HB..r160	II 2G Ex d IIB T6...T3 Gb Tamb: -50°C ÷ +80°C II 2G Ex d e IIB T6...T3 Gb Tamb: -50°C ÷ +80°C (Refer to certificate for different ambient temperatures)
Baseefa 14 ATEX 0030X	EN60079-0:2012 EN60079-1:2007	Range of SGA induction motor frames 71 to 315 and HGA induction motor frames 80-280	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally +50°C))
PTB 07 ATEX 1036X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	Three-phase motor 4KTC 63	II 2 G Ex d IIC T4 II 2 G Ex de IIC T4
BVS 13 ATEX E 125 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Flameproof electric motors type 4KT** * * * * *	II 2G Ex d IIC T* Gb resp. Ex de IIC T* Gb II 2G Ex d IIB T* Gb resp. Ex de IIB T* Gb
BKI 11 ATEX 0019	EN60079-0:2009 EN60079-1:2007 EN60079-11:2007	Enclosure type EJC	II 2GD Ex db IIC T6...T3, Ex tb IIIC IP66 T85°...T150°C II 2(1)GD Ex db [ia] IIC T6, Ex tb [ia] IIIC IP66 T85° II 2(2)GD Ex db [ib] IIC T6, Ex tb [ib] IIIC IP66 T85°
CESI 01 ATEX 027	EN60079-0:2009 EN60079-1:2007	Command, Control and Signalling Units series CCF and EJB	II 2 G EEx d IIB T6, T5, T4
CESI 01 ATEX 036	EN60079-0:2009 EN60079-1:2007	Command, Control and Signalling Units series CCA, GUB, CCAI	II 2 GD EEx d IIC T6 or T5 IP66 T85 or T100°C
CESI 02 ATEX 073	EN60079-0:2009 EN60079-1:2007 EN60079-11:2007 EN60079-26:2007	Command and control units and interface units series CCF, EJB	II 2(1) G EEx d [ia] IIB T6,T5 II 2(1) G Ex d [ia] IIB + H2 T6, T5 II 2 (1) G Ex d [ia Ga] IIB T6, T5 Gb or II 2(1) G Ex d [ia Ga] IIB + H2 T6, T5 Gb
IMQ 11 ATEX 031X	EN60079-0:2012 EN60079-1:2014 EN60079-11:2012	EJB ****	II2G Ex db IIB+H2 T4/T5/T6 Gb II2(1)G Ex db [ia Ga] IIB+H2 T4/T5/T6 Gb II2(2)G Ex db [ib Gb] IIB+H2 T4/T5/T6 Gb
DEKRA 13 ATEX 0209	EN60079-0:2012 EN60079-1:2007 EN60079-2:2007 EN60079-5:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2009 EN60079-28:2007	Control/Distribution panels series BARTEC B/C/D/E and BARTEC B/C/D/E assembly	II 2 (..) G Ex d...[..G..] IIB + H2 T6 to T3 Gb II 2 (..) G Ex d...[..G..] IIC T6 to T3 Gb II 2 (..) G Ex e...[..G..] IIB/IIC T6 to T3 Gb
INERIS 13 ATEX 0022X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-11:2012	Enclosures type EJB...	II 2 GD Ex d IIB+H2 T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H2 T(**)Gb Ex tb [ia Da] IIIC T(**) Db IP66 Refer to certificate tables for temperature classification and ambient range of specific models
INERIS 13ATEX 0058X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-11:2012	Enclosures type EJB	IIII 2 GD Ex d IIB+H2 T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H2 T(**)Gb Ex tb [ia Da] IIIC T(**) Db IP66 Refer to certificate tables for temperature classification and ambient range of specific models

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Certificate	Standard Edition	Description	Ex Marking
INERIS 14 ATEX 0022X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-7:2007 EN60079-11:2012	Enclosures type EJB ^{***} /EJBX ^{***}	II 2G or II 2D or II 2(1)G or II 2(1)D or II(2)G or II(2)D Ex d (***) IIA or IIB or IIB+H ₂ Gb Ex tb (***) IIIC Db IP ^(****) Refer to certificate for marking details for specific models
Sira 99 ATEX 3199	EN60079-0:2009 EN60079-7:2007 EN60079-11:2007	XL/FXL/AL/SL/RX range of terminal and control boxes	II 1 G Ex ia IIC T* Ga (Ta = - °C to °C) II 2 GD Ex e IIC T* Gb (Ta = - °C to °C)
Sira 99 ATEX 3200X	EN60079-0:2006 EN60079-7:2007	The GL range of terminal enclosures	II 2 GD Ex ia IIC T* Ga (Ta - °C to + °C) or Ex tb IIIC T# °C Db (Ta - °C to + °C) IP6X II 2 GD Ex e IIC T* Gb (Ta - °C to + °C) or Ex tb IIIC T# °C Db (Ta - °C to + °C) IP6X II 2 GD Ex e II T* Ex tb IIIC Db T# °C (Ta - °C to + °C) IP6X Refer to certificate tables for temperature classification and ambient range of specific models
PTB 00 ATEX 3116	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2009	Terminal Box Type 8125/1, 8125/2	II 2 G EEx edm [ia] IIC T4/5/6 or II 2 G EEx ia/ib IIA/IIB/IIC T6... Refer comments
PTB 09 ATEX 1108	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2004	Connection and Junction Box Type 8150/1, 8150/2	II 2 G Ex db eb ia/ib mb IIA, IIB, IIC T6, T5, T4 or Ex d e ia/ib mb IIA, IIB, IIIC, T6, T5, T4 Gb II 2 D Ex tb IIIC IP66 T80°C, T95°C, T130°C or Ex t IIIC IP66 T80°C, T95°C, T130°C Db Refer to certificate tables for temperature classification and ambient range of specific models
PTB 01 ATEX 1016	EN60079-0:2006 EN60079-1:2004 EN60079-7:2003 EN60079-11:2007 EN60079-18:2004	Terminal Box Type 8146/1, 8146/2	II 2 G EEx edm ia/ib [ia] IIC/IIB/IIA T6, T5 or T4
PTB 99 ATEX 3103	EN60079-0:2004 EN60079-7:2003 EN60079-11:2007 EN60079-18:2004	Junction and Terminal Boxes Type 8118	II 2 G EEx e II T6/T5 or II 2 G EEx ia/ib IIA/IIB/IIC T6/T5 II 2 G EEx em II T6/T5/T4 or II 2 G EEx ia/ib IIA/IIB/IIC T6/T5
CESI 03 ATEX 333	EN60079-0:2006 EN60079-7:2003 EN60079-11:2007	Terminal Boxes series S.A	II 2 GD Ex e II T6, T5, T4 Ex tD A21 IP66 T85°C, T100°C, T135°C II 2(1) GD Ex e [ia] IIC T6, T5, T4 Ex tD [iaD] A21 IP66 T85°C, T100°C, T135°C II 1 GD Ex ia IIC T6, T5, T4 Ex tD A20 IP66 T85°C, T100°C, T135°C Refer to certificate tables for temperature classification and ambient range of specific models

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X

Issue 4

Certificate	Standard Edition	Description	Ex Marking
SIRA 09 ATEX 3083X	EN60079-0:2006 EN60079-7:2007	EP Range of Junction Boxes & Control Stations and DP Range of Junction Boxes & Control Stations	II 2 G Ex e IIC T, Gb IP65/66
Baseefa 06 ATEX 0056X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	A range of Cable Glands with Compression Type Seals	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C [or +100°C See Special Conditions])
Baseefa 06 ATEX 0057X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	Type 501/453 UNIV Cable Glands	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C)
Baseefa 06 ATEX 0058X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	A range of Barrier Type Cable Glands	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C)
Baseefa 06 ATEX 0256X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	A Type HA* Barrier Gland	II 2GD Ex d IIC Ex e II
SIRA 13 ATEX 1068X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types A**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C ② ① When fitted with the standard seal ② When fitted with the high temperature seal
SIRA 13 ATEX 1071X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types E**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C ② ① When fitted with the standard seal ② When fitted with the high temperature seal
SIRA 13 ATEX 1072X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types PX**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +85°C
SIRA 13 ATEX 1073X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types Triton T3** and TE**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C ② ① When fitted with the standard seal ② When fitted with the high temperature seal
Sira 10ATEX1172X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	PXFC Barrier Gland for Flexible Conduit	II 2GD Ex d IIC Gb / Ex e IIC Gb
Baseefa 06 ATEX 0352X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003/+Amd 1	A Range of Thread Adaptors	II 2GD Ex d IIC Ex e II Ex tD A21 IP6X
SIRA 13 ATEX 1265X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Type 737,747, 757, 767 and 797 ranges of adaptors, reducers and stopping plugs	II 2G Refer certificate for markings
ITS 13 ATEX 17782X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	CT Breather/Drain	II 2 GD/I M2 Ex d I/II MbGb Ex e I/IIC Mb/Gb
SIRA 10 ATEX 3279X	EN60079-0:2009 EN60079-7:2007	Breather Drain Type CV	II 2 GD Ex e IIC Gb

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Certificate	Standard Edition	Description	Ex Marking
CESI 15 ATEX 029X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-7:2007	Adaptors and plugs series AD.RE..., AD.EN..., AD.FF..., AD.MM..., SP.MD..	II2GD Ex d IIC Gb Ex e IIC Gb Ta -40°C +100°C
Baseefa 06 ATEX 0092	EN60079-0:2004 EN50020:2002 EN60079-26:2004	Type KCD2-SR-Ex*. Switch Amplifier	II (1) GD [Ex ia] IIC -20°C ≤ Ta ≤ +60°C
PTB 00 ATEX 2081	EN60079-0:2009 EN60079-11:2007	Isolation switching amplifier type K"A"-SR"-Ex".W."	II (1) GD [EEx ia] IIC
CESI 04 ATEX 143	EN60079-0:2006 EN60079-11:2007 EN60079-26:2007	Galvanically isolated barrier Type KFD2-UT2-Ex Universal Temperature Module	II (1) G [Ex ia] IIC
IBExU 10 ATEX 1044	EN60079-0:2006 EN60079-11:2007 EN60079-15:2005	Temperature Transducer Type MACX MCR-EX-T-U(REL)-SP(-UP) and MACX MCR-EX-T-U(REL)-SP(-UP)-C	II (1) G [Ex ia] IIC/IIB/IIA II 3G Ex naC ic IIC/IIB/IIA T4X -20°C ≤ Ta ≤ +65°C
IBExU 07 ATEX 1069	EN60079-0:2006 EN60079-11:2007	NAMUR Isolating Amplifier Type MACX-MCR-EX-SL-	II (1) GD [Ex ia] IIC
IBExU 10 ATEX 1005	EN60079-0:2006 EN60079-11:2007 EN60079-15:2005	NAMUR Isolating Amplifier Type MACX-MCR-EX-SL-xNAM-yR-UP(-SP)	II (1) G [Ex ia] IIC II 3 (1) G Ex nAC [ia] IIC T4X -20°C ≤ Ta ≤ +65°C
BVS 10 ATEX E 113X	EN60079-0:2012 EN60079-11:2012 EN60079-15:2010 EN60079-26:2007	DIN Rail isolators type D5****, D5****-xxx	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
BVS 12 ATEX E 053X	EN60079-0:2012+A11:2013 EN60079-11:2012 EN60079-15:2010 EN60079-26:2007	DIN Rail isolators type D5072*, D5072*-xxx, D5273S-xxx	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
DEMKO 02 ATEX 0132424	EN50014:1997+A1/A2:1999 EN50019:2000	Self Regulating heating cable type BSX with accessories	II 2G/D EEx e II T5 or T6
FM13ATEX0052	EN60079-0:2012 EN60079-30-1:2007	BSX Parallel Circuit Self-Regulating Heating Cable Systems	II 2 G Ex eb IIC T5 or T6, Ta=-60°C to +55°C
PTB 04 ATEX 1028X	EN60079-0:2006 EN60079-1:2004 EN60079-11:2007	Actuator model S, type EX MAX.../...	II 2 G/D EEx d ia IIC T6 or T5 IP66 T80°C or 95°C

- iv. Assessment of the Type ST equipment assemblies for compliance with the requirements of EN 60079-0:2011 and EN 60079-14:2014.
- v. Assessment of the Type ST equipment assemblies for compliance with the requirements of IECEx ExTAG DS 2015/001A.
- vi. Change to the ATEX Category from "II 2(1)G" to "II 2G"
- vii. Change to the certification code from "Ex d e [ia] mb IIB+H2 T*" to "Ex II* T* Gb" in accordance with the re-assessment.

Variation 3 - This variation introduced the following change:

- i. The Applicant's and Certificate holders address was changed from 9 Charcoal Close Unanderra 2526 Australia to Warehouse 2 91-95 Montague St Wollongong NSW 2500 Australia.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

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14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	16 July 2012	R25966A/00	The release of the prime certificate.
1	30 September 2013	R31388A/00	The introduction of Variation 1.
2	04 April 2017	R70089376A	This Issue covers the following changes: <ul style="list-style-type: none"> Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. (In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.) The introduction of Variation 2.
3	31 October 2019	0963	Transfer of certificate Sira 11ATEX1356X from Sira Certification Service to CSA Group Netherlands B.V.
4	27 April 2020	R80021400A	The introduction of Variation 3

15 SPECIFIC CONDITIONS OF USE

15.1 The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
TPS 13 ATEX 55283 007 X	Use of flammable refrigerants: Only types of refrigerants are permitted with an auto ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.
	There are only lubricants permitted with an auto-ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.
	Maximum operating current according to the specifications on the type plate shall not be exceeded even in the frequency-controlled area.
	The notes in the operating / assembly instructions and the manufacturer's safety concept have to be observed.
	The ignition protection measures described in the manufacturer's operating / assembly instructions must be observed
	Compressors with insulating coating $< 2\text{mm}$ may be used only in the gas groups IIB or IIA
TPS 13 ATEX 55283 008 X	Use of flammable refrigerants: Only types of refrigerants are permitted with an auto ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.
	There are only lubricants permitted with an auto-ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.
	Maximum operating current according to the specifications on the type plate shall not be exceeded even in the frequency -controlled area.
	The notes in the operating / assembly instructions and the manufacturer's safety concept have to be observed.

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Certificate	Specific Conditions Of Use
	The ignition protection measures described in the manufacturer's operating/assembly instructions must be observed
	Compressors with insulating coating < 2mm may be used only in the gas groups IIB or IIA
Sira 08 ATEX 5106X	Type SX024VDC; Ui = 26.4V d.c Type SX024DC (CS); Ui = 26.4V d.c Type SX110AC; Um = 132V rms Type SX230AC; Um = 250V rms
Sira 10ATEX1001X	The motor incorporates flameproof joints with dimensions which are other than the relevant minimum width and/or the maximum gap permitted in Table 1 of EN 60079-1. The user shall contact the manufacturer for the appropriate information with respect to the flameproof joints.
CESI 11 ATEX 052X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted
CESI 12 ATEX 014X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted
	For installation in places with presence of Gas Group IIC, when motors are painted with a maximum thickness of paint exceeding 0.2mm, shall be taken into account the risk of electrostatic discharge
CESI 06 ATEX 059X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted
	When the supply voltage tolerance is not +/- 10%, then on the nameplate is provided indication of the range of voltage variation "Un +/-5%" (within "zone A") of the IEC 60034-1 Standard)
CESI 06 ATEX 060X	The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted
	When the supply voltage tolerance is not +/- 10%, then on the nameplate is provided indication of the range of voltage variation "Un +/-5%" (within "zone A") of the IEC 60034-1 Standard)
	For installation in places with presence of Gas Group IIC, when motors are painted with a maximum thickness of paint exceeding 0.2mm, shall be taken into account the risk of electrostatic discharge.
	For installation of motors without ventilation, when the cooling is provided by a fan directly coupled to the motor (method IC 418), the final user shall ensure the temperature class of motor.
Baseefa 07 ATEX 0295X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 07 ATEX 0296X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0298X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6steel in accordance with ISO 968-1

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Certificate	Specific Conditions Of Use
Baseefa 08 ATEX 0299X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0300X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0301X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
TÜV IT 14ATEX 050 X	The dimensions of the joints are different from those indicated in the reference standards. For information about dimensions of the flameproof joints the manufacturer shall be contacted
	Due to the possible presence of electrostatic charges in IIC enclosures with special paint (thickness exceeding 0,2 mm), clean the motor only with a wet rag or by no-frictional means
TÜV IT 14 ATEX 065 X	The dimensions of the joints are different from those indicated in the reference standards. For information about dimensions of the flameproof joints the manufacturer shall be contacted
Baseefa 14 ATEX 0030X	The equipment may present a potential electrostatic charging hazard; the user instructions shall be followed in order to minimise the risk of electrostatic discharge
PTB 07 ATEX 1036X	Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in Tables 1 and 2 of EN 60079-1
BVS 13 ATEX E 125 X	The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of EN 60079-1:2007. For information of the dimensions of the flameproof joints contact the manufacturer.
	Fasteners with a minimum yield stress of 640N/mm ² must be used for the closing of the flameproof enclosure
BKI 11 ATEX 0019	The enclosure(s) must not open or dismantle while it is energised
IMQ 11 ATEX 031X	For enclosures EJB..A and EJB..S: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.
	For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows: <ul style="list-style-type: none"> • UPB2 actual 25,5 mm vs 25 mm • UPBL actual 29 mm vs 25 mm • UHLB and UHB: actual 35 mm vs 25 mm • UHS actual 32 mm vs 25 mm • UVD actual 27 mm vs 25 mm • UVB actual 28 mm vs 25 mm
	Use suitable cables, in relation to class temperature, when under rated conditions the temperature at the entry point can be higher than 70 °C, or the temperature at the branching point of conductors can be higher than 80 °C.
	Minimum quality fasteners, for EJB enclosures, shall be A2-70 at least.
INERIS 13 ATEX 0022X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard

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Certificate	Specific Conditions Of Use
	<p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p> <p>During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J</p>
INERIS 13ATEX 0058X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p>
INERIS 14 ATEX 0022X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p>
PTB 00 ATEX 3116	<p>The maximum number of conductors for each enclosure size, which is subject to the cross section and the permissible continuous current, is shown in the supplements.</p> <p>When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection must be observed.</p> <p>Terminal boxes with a coating of polyester powder finish must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.</p>
PTB 09 ATEX 1108	<p>The maximum number of conductors for the housing size in dependence on the section and the permissible continuous current rating are to be taken from the data sheets.</p> <p>When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.</p>
	<p>The connection and junction box with a coating of polyester powder must not be used in areas affected by charge producing processes, , mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.</p>
PTB 01 ATEX 1016	<p>For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets</p> <p>When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall be duly observed.</p> <p>The line-side fuse or protective device shall be selected so as to provide for safe interruption of the max. rated current, the max. rated short-circuit current and the max. rated short-time current (1s).</p>
PTB 99 ATEX 3103	<p>Instruction of the manufacturer "Clean only with wet cloth" is to be followed.</p> <p>The suitability for low ambient temperatures is visible by special marking. Only such separately certified sealing gaskets and built-in and built-on components, which are suitable for these temperatures, are used. Additional instructions of the manufacturer are to be followed.</p>

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Certificate	Specific Conditions Of Use
	The maximum number of conductors that can be used for each enclosure size is subject to the cross section and the admissible current rating and is shown in the attached specification sheets.
SIRA 09 ATEX 3083X	<p>WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – The polycarbonate window and nylon window shroud may generate an ignition capable level of electrostatic charge, refer to the instruction on how to install and maintain the equipment safely and prevent static charge build up.</p> <p>The EP1511, DP1511, EP2315 and DP2315 models shall only be installed in areas where there is a low risk of mechanical impact.</p>
CESI 15 ATEX 029X	<p>The coupling of the adaptors and plugs with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order respect the type of protection of the electrical apparatus on which the adaptors and plugs are mounted.</p> <p>The adaptors and plugs shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.</p>
IBExU 10 ATEX 1044	<p>Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted</p> <p>Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2</p>
IBExU 10 ATEX 1005	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
PTB 04 ATEX 1028X	For repair of the flameproof joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the values in tables 1 and 2 of EN60079-1 is not accepted.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

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Certificate Annexe



Certificate Number: Sira 11ATEX1356X

Equipment: Type 'ST' Air Conditioning Units (HVAC) ; Type 'ST' Water Chiller Units

Applicant: Stolway Pty. Limited

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrical Installation Std General Notes & Diagrams
60107-STD-DE-DP-200	1 of 1	0	10 Jun 12	HVAC Unit Label ATEX EC Type Examination Certificate Design Part
60107-STD-EL-SC-200	1 to 3	0	10 Jun 12	HVACR Unit Schedule of Pre-Certified Components ATEX EC Type Examination Certificate

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-EL-SC-200	1 of 5	1	29 Aug 13	ATEX EC Type Examination certificate pre-certified component list

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-DE-DP-200	1 of 1	4	08 Mar 17	HVAC unit label, ATEX
60107-STD-EL-DG-700	1 of 1	1	08 Mar 17	Typical earthing single line diagram
60107-STD-EL-SC-220	1 to 4	0	08 Mar 17	ATEX EC Type Examination certificate pre-certified components
60107-STD-EL-SC-221	1 to 11	10	03 Apr 17	ATEX Conditions of Certification Schedule
60107-STD-ME-DA-011	1 of 1	1	08 Mar 17	Air conditioning unit general arrangement
60107-STD-ME-DA-012	1 of 1	1	08 Mar 17	Water chiller general arrangement
Procedure 96	1 to 13	0	08 Mar. 17	HVACR electrical selection design and installation

Note1: The following drawings have been removed from the schedule:

- 60107-STD-ME-DA-001, Typical Stolway Air conditioning Unit General Arrangement
- 60107-STD-ME-DA-002, Typical Stolway Water Chiller General Arrangement
- 60107-STD-EL-DA-001, Stolway HVACR Electrical installation Std General Notes & Diagrams
- 60107-STD-EL-SC-200, ATEX list of permitted Ex certified equipment

Issue 3. No new drawings were introduced

Issue 4

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-DE-DP-200-R05	1 of 1	5	20 Apr 20	HVAC Unit – Label ATEX 'EC Type Examination Certificate' Design Part

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1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 11ATEX1356X** Issue: **3**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC)**
Type 'ST' Water Chiller Units

5 Applicant: **Stolway Pty. Limited**

6 Address: 9 Charcoal Close
Unanderra
2526
Australia

7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 2 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012/A11:2013

EN 60079-14:2014

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 2 G

Ex II* T* Gb (Ta = -*°C to +*°C)

Notes:

1. * The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted.
2. The marking that is shown is a typical example s e the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit.

Project Number 0963

Signed:

Title: Director of Operations

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13 DESCRIPTION OF EQUIPMENT

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H2	T3 or T4	-20 to +60°C
Compressor assembly	TPS 06ATEX1166X	'II 2 G cb'	IIC	T3	-20 to +50°C
Compressor assembly	TPS 06ATEX1230X	Ex d	IIC	T3	-20 to +50°C
Compressor assembly	TPS 05ATEX1127X	'II 2 G cb'	IIC	T3	-20 to +50°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or	IIC	T4	-40 to +60°C
		Ex mb	IIC	T4	-40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3 ^①	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3 ^②	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3 ^③	-20 to +60°C
Motor	CESI 02 ATEX 045X	Ex d	IIC	T6, T5, T4 or T3 ^④	-35 to +40°C -50 to +40°C
Motor	CESI 02 ATEX 123	EEx d or EEx de	IIC	T6, T5, T4 or T3 ^⑤	-20 to +60°C
Motor	CESI 06 ATEX 059	Ex d	IIB	T4 or T3	-20 to +60°C
Motor	CESI 06 ATEX 060	Ex d	IIC	T4 or T3	-20 to +60°C
Motor	Sira 06ATEX3110X	Ex e	II	T3	Refer to certificate
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	KEMA 01 ATEX 2145 X	Ex d	IIB + H2 IIB	T6, T5 or T4	Refer to certificate
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Junction boxes	Sira 99ATEX3200X	Ex e Ex ia	IIC	T6, T5 or T4	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction boxes	PTB 00 ATEX 3116	EEx edm [ia] EEx ia/ib	IIC IIA/IIB/IIC	T6, T5 or T4	Refer to certificate
Junction boxes	LOM 02 ATEX 2022	Ex e	II	T6	-40 to +55°C
Junction boxes	PTB 09 ATEX 1108	Ex d e ia/ib	IIA,IIB,IIC	T6, T5 or T4	Refer to certificate
Junction boxes	PTB 01 ATEX 1016	EEx edm ia/ib [ia]	IIC/IIB/IIA	T6, T5 or T4	Refer to certificate
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0057X	EEx d EEx e	IIC II	N/A	-60 to +80°C
Cable glands	Sira 06ATEX1283X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	Sira 06ATEX1097X	Ex d Ex e	IIC II	N/A	Refer to certificate
Cable glands	Sira 10ATEX1172X	Ex d Ex e	IIC IIC	N/A	-60 to +85°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	PTB 00ATEX 2081	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	CESI 04 ATEX 143	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	Baseefa 07ATEX 0211	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	IBExU 10 ATEX 1044	[Ex ia]	IIC/IIB/IIA	N/A	-20 to +65°C
IS barrier	IBExU 07 ATEX 1069	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IBExU 10 ATEX 1005	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°C

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- ① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/B annexed to the EC-Type examination certificate.
- ② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.
- ③ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.
- ④ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/6100/C annexed to the EC-Type examination certificate.
- ⑤ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/C annexed to the EC-Type examination certificate.

Variation 1 - This variation introduced the following changes:

- i. The following table lists the introduction of additional ATEX devices and amendment of the Concept (#) or Item description (*) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Solenoid	PTB 03 ATEX 2018X	Ex mb	IIC	T6, T5 or T4	Refer to certificate
Motor	Sira 10ATEX1001X	Ex d	IIB	T4 or T5	Refer to certificate
Motor	CESI 11 ATEX 052X	Ex d Ex de	IIB IIB	T4, T3 T4, T3	Refer to certificate
Motor	CESI 12 ATEX 014X	Ex d Ex de	IIC IIC	T4, T3 T4, T3	Refer to certificate
Motor	Baseefa 07ATEX0295X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 07ATEX0296X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0298X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0299X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0300X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0301X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Electrical enclosure #	BKI 06ATEX050	Ex d Ex db [ia/ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure #	BKI 08 ATEX 019	Ex d Ex db [ia] Ex db [ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	BKI 11 ATEX 0019	Ex db Ex db [ia] Ex db [ib]	IIC	T6...T3	Refer to certificate
Electrical enclosure	CESI 01 ATEX 027	Ex d	IIB + H2 IIB	T6, T5 or T4	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Electrical enclosure	CESI 01 ATEX 036	Ex d	IIC	T6, T5 or T4	Refer to certificate
Electrical enclosure	CESI 02 ATEX 073	Ex d [ia]	IIB + H2 IIB	T6 or T5	Refer to certificate
Electrical enclosure	IMQ 11 ATEX 031	Ex d Ex d e [iaGa] Ex d e [ibGb]	IIB + H2	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Junction box / Enclosure *	Sira 99ATEX3200X	Ex e Ex ia	IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	PTB 00 ATEX 3116	EEx edm [ia] EEx ia/ib	IIC IIA/IIB/IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	PTB 09 ATEX 1108	Ex d e ia/ib	IIA,IIB,IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure *	PTB 01 ATEX 1016	EEx edm ia/ib [ia]	IIC/IIB/IIA	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	PTB 99 ATEX 3103	EEx e EEx ia/ib EEx em	II IIA/IIB/IIC II	T6/T5 T6/T5 T6/T5/T4	Refer to certificate
Junction box / Enclosure *	LOM 02 ATEX 2022	Ex e	II	T6	-40 to +55°C
Junction box / Enclosure	LOM 02ATEX2024	Ex e Ex ed	II IIC	T6	-40 to +55°C
Junction box / Enclosure	CESI 03 ATEX 333	EEx e EEx e [ia] EEx ia	II IIC IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	KEMA 10ATEX0050	Ex e Ex e [ia] Ex ia	IIC	T6...T4	Refer to certificate
Junction box / Enclosure	INERIS 02 ATEX 0067X	EEx e EEx ia EEx e[ia]	II IIB/IIC IIB/IIC	T5, T4 or T3	Refer to certificate
Junction box / Enclosure	INERIS 03 ATEX 0027X	EEx e EEx ia EEx e[ia]	II IIB/IIC IIB/IIC	T5, T4 or T3	Refer to certificate
Plug / Reducer / Accessory *	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plug / Reducer / Accessory *	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plug / Reducer / Accessory *	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory *	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Plug / Reducer / Accessory	Sira 08ATEX1288U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	ITS 13ATEX17782U	Ex d Ex e	II IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	LOM 03ATEX3096U	EEx d EEx d EEx e	IIB IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	LOM 06ATEX3079U	EEx d EEx d EEx e	IIB IIC II	N/A	Refer to certificate

ii. To replace the T class noted in Section 12, Marking, with 'T*'.
Variation 2 - This variation introduced the following changes:

- i. Change the certificate type from "EC Type-Examination" to "Type Examination".
- ii. To permit a change to the manufacturer's name from Stolway Holdings Pty Limited to Stolway Pty. Limited.
- iii. The equipment that is permitted for installation under Sira 11ATEX1356X is updated as follows:

Certificate	Standard Edition	Description	Ex Marking
Sira 07 ATEX 1286	EN60079-0:2006 EN60079-1:2007	Compressor Assembly	II 2 G Ex d IIB+H2 T4 (Ta = -20 to +60°C)
TPS 13 ATEX 55283 007 X	EN1127-1:2011 EN13463-1:2009 EN60079-0:2009	Compressor of the series EX-HG(X)4; EX-HG(X)5; EX-HG(X)6	II 2G IIC T3 Gb II 2G IIB T3 Gb
TPS 13 ATEX 55283 008 X	EN1127-1:2011 EN13463-1:2009 EN60079-0:2009	Compressor of the series EX-HG(X)12; EX-HG(X)22; EX-HG(X)34	II 2G IIC T3 Gb II 2G IIB T3 Gb
Sira 10 ATEX 3053X	EN60079-0:2009 EN60079-7:2007	Heating Element Assembly	II 2 G Ex e IIC T3 Gb (Ta = -40°C to +55°C) Ex e IIC T5 Gb (Ta = -40°C to +44°C)
Sira 08 ATEX 5106X	EN60079-0:2006 EN60079-18:2004 EN60079-26:2007	SX024DC, SX024DC (CS), SX110AC, SX230AC Solenoid Coils	II 1 G Ex ma IIC T4 IP66 (for type SX024DC & SX024DC (CS) (Ta = -40°C to +60°C) II 2 G Ex mb IIC T4 IP66 (for type SX110AC and SX230A) (Ta = -40°C to +60°C)
LCIE 03 ATEX 6451X	EN60079-0:2006 EN60079-1:2004 EN60079-18:2004	Electrovalves - Type : .../495900... or .../495905...	Ex d mb IIC T* Gb
PTB 03 ATEX 2018X	EN60079-0:2006 EN60079-18:2004	Solenoid, type 0515..and type 1215	II 2 G EEx m II T6, T5 or T4

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Certificate	Standard Edition	Description	Ex Marking
Sira 10ATEX1001X	EN60079-0:2009 EN60079-1:2007	The Range of HPD Flameproof Induction Motors Frame Size 80 to 315	I M2 c II 2 G c 135°C (T4) Ex d I Mb Ex d IIB T4 Gb (Motor de-rated to 75% rating, see option 22 in the description) I M2 c II 2 G c 100°C (T5) Ex d I Mb Ex d IIB T5 Gb
CESI 11 ATEX 052X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	Three Phase asynchronous motor series MAK,MAKe 180-250	II 2 G Ex d IIB T4, T3 Gb II 2 G Ex d e IIB T4, T3 Gb
CESI 12 ATEX 014X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	Three Phase asynchronous motor series MAK,MAKe 180-250	II 2 G Ex d IIC T4, T3 Gb II 2 G Ex d e IIC T4, T3 Gb
CESI 06 ATEX 059	EN60079-0:2006 EN60079-1:2004	Three Phase and mono phase asynchronous motor series MAK 56-160	II 2G Ex d IIB T4 or T3
CESI 06 ATEX 060	EN60079-0:2006 EN60079-1:2004	Three phase and mono-phase asynchronous motors series MAK 56 - 132	II 2G Ex d IIC T4 or T3
Baseefa 07 ATEX 0295X	EN60079-0:2006 EN60079-1:2004	A Low Voltage A.C Motor Frame Size 132	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 07 ATEX 0296X	EN60079-0:2006 EN60079-1:2004 EN60079-7:2006	A Low Voltage A.C Motor Frame Size 132	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0298X	EN60079-0:2006 EN60079-1:2007	A Low Voltage A.C Motor Frame Sizes 80 and 90	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0299X	EN60079-0:2006 EN60079-1:2007 EN60079-7:2007	A Low Voltage A.C Motor Frame Sizes 80 and 90	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0300X	EN60079-0:2006 EN60079-1:2007	A Low Voltage A.C Motor Frame Sizes 100 and 112	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0301X	EN60079-0:2006 EN60079-1:2007 EN60079-7:2007	A Low Voltage A.C Motor Frame Sizes 100 and 112	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
TÜV IT 14ATEX 050 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Three phase and single phase asynchronous electric motors ATEX Regal series, type AC..r 63 – AC..r 315 Three phase and single phase brake motors ATEX Regal series, type DC..r63 – DC..r315 and type HC..r71 – HC..r160	II 2G Ex d IIC T6...T3 Gb Tamb: -50°C ÷ +60°C II 2G Ex d e IIC T6...T3 Gb Tamb: -50°C ÷ +60°C (Refer to certificate for different ambient temperatures)

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Certificate	Standard Edition	Description	Ex Marking
TÜV IT 14 ATEX 065 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Three phase and single phase asynchronous electric motors ATEX Regal series, type AB..r 63 – AB..r 315 Three phase and single phase brake motors ATEX Regal series, type DB..r63 – DB..r315 and type HB..r71 – HB..r160	II 2G Ex d IIB T6...T3 Gb Tamb: -50°C ÷ +80°C II 2G Ex d e IIB T6...T3 Gb Tamb: -50°C ÷ +80°C (Refer to certificate for different ambient temperatures)
Baseefa 14 ATEX 0030X	EN60079-0:2012 EN60079-1:2007	Range of SGA induction motor frames 71 to 315 and HGA induction motor frames 80-280	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally +50°C))
PTB 07 ATEX 1036X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	Three-phase motor 4KTC 63	II 2 G Ex d IIC T4 II 2 G Ex de IIC T4
BVS 13 ATEX E 125 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Flameproof electric motors type 4KT** * * * * *	II 2G Ex d IIC T* Gb resp. Ex de IIC T* Gb II 2G Ex d IIB T* Gb resp. Ex de IIB T* Gb
BKI 11 ATEX 0019	EN60079-0:2009 EN60079-1:2007 EN60079-11:2007	Enclosure type EJC	II 2GD Ex db IIC T6...T3, Ex tb IIIC IP66 T85°...T150°C II 2(1)GD Ex db [ia] IIC T6, Ex tb [ia] IIIC IP66 T85° II 2(2)GD Ex db [ib] IIC T6, Ex tb [ib] IIIC IP66 T85°
CESI 01 ATEX 027	EN60079-0:2009 EN60079-1:2007	Command, Control and Signalling Units series CCF and EJB	II 2 G EEx d IIB T6, T5, T4
CESI 01 ATEX 036	EN60079-0:2009 EN60079-1:2007	Command, Control and Signalling Units series CCA, GUB, CCAI	II 2 GD EEx d IIC T6 or T5 IP66 T85 or T100°C
CESI 02 ATEX 073	EN60079-0:2009 EN60079-1:2007 EN60079-11:2007 EN60079-26:2007	Command and control units and interface units series CCF, EJB	II 2(1) G EEx d [ia] IIB T6,T5 II 2(1) G Ex d [ia] IIB + H2 T6, T5 II 2 (1) G Ex d [ia Ga] IIB T6, T5 Gb or II 2(1) G Ex d [ia Ga] IIB + H2 T6, T5 Gb
IMQ 11 ATEX 031X	EN60079-0:2012 EN60079-1:2014 EN60079-11:2012	EJB ****	II2G Ex db IIB+H2 T4/T5/T6 Gb II2(1)G Ex db [ia Ga] IIB+H2 T4/T5/T6 Gb II2(2)G Ex db [ib Gb] IIB+H2 T4/T5/T6 Gb
DEKRA 13 ATEX 0209	EN60079-0:2012 EN60079-1:2007 EN60079-2:2007 EN60079-5:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2009 EN60079-28:2007	Control/Distribution panels series BARTEC B/C/D/E and BARTEC B/C/D/E assembly	II 2 (...) G Ex d...[...G...] IIB + H2 T6 to T3 Gb II 2 (...) G Ex d...[...G...] IIC T6 to T3 Gb II 2 (...) G Ex e...[...G...] IIB/IIC T6 to T3 Gb
INERIS 13 ATEX 0022X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-11:2012	Enclosures type EJB...	II 2 GD Ex d IIB+H2 T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H2 T(**)Gb Ex tb [ia Da] IIIC T(**) Db IP66 Refer to certificate tables for temperature classification and ambient range of specific models
INERIS 13ATEX 0058X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-11:2012	Enclosures type EJB	IIII 2 GD Ex d IIB+H2 T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H2 T(**)Gb Ex tb [ia Da] IIIC T(**) Db IP66 Refer to certificate tables for temperature classification and ambient range of specific models

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Certificate	Standard Edition	Description	Ex Marking
INERIS 14 ATEX 0022X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-7:2007 EN60079-11:2012	Enclosures type EJB***/EJBX***	II 2G or II 2D or II 2(1)G or II 2(1)D or II(2)G or II(2)D Ex d (***) IIA or IIB or IIB+H ₂ Gb Ex tb (***) IIIC Db IP(****) Refer to certificate for marking details for specific models
Sira 99 ATEX 3199	EN60079-0:2009 EN60079-7:2007 EN60079-11:2007	XL/FXL/AL/SL/RX range of terminal and control boxes	II 1 G Ex ia IIC T* Ga (Ta = -*°C to *°C) II 2 GD Ex e IIC T* Gb (Ta = -*°C to *°C)
Sira 99 ATEX 3200X	EN60079-0:2006 EN60079-7:2007	The GL range of terminal enclosures	II 2 GD Ex ia IIC T* Ga (Ta – *°C to + *°C) or Ex tb IIIC T# °C Db (Ta – *°C to + *°C) IP6X II 2 GD Ex e IIC T* Gb (Ta – *°C to + *°C) or Ex tb IIIC T# °C Db (Ta – *°C to + *°C) IP6X II 2 GD Ex e II T* Ex tb IIIC Db T#°C (Ta – *°C to + *°C) IP6X Refer to certificate tables for temperature classification and ambient range of specific models
PTB 00 ATEX 3116	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2009	Terminal Box Type 8125/1, 8125/2	II 2 G EEx edm [ia] IIC T4/5/6 or II 2 G EEx ia/ib IIA/IIB/IIC T6... Refer comments
PTB 09 ATEX 1108	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2004	Connection and Junction Box Type 8150/1, 8150/2	II 2 G Ex db eb ia/ib mb IIA, IIB, IIIC T6, T5, T4 or Ex d e ia/ib mb IIA, IIB, IIIC, T6, T5, T4 Gb II 2 D Ex tb IIIC IP66 T80°C, T95°C, T130°C or Ex t IIIC IP66 T80°C, T95°C, T130°C Db Refer to certificate tables for temperature classification and ambient range of specific models
PTB 01 ATEX 1016	EN60079-0:2006 EN60079-1:2004 EN60079-7:2003 EN60079-11:2007 EN60079-18:2004	Terminal Box Type 8146/1, 8146/2	II 2 G EEx edm ia/ib [ia] IIC/IIB/IIA T6, T5 or T4
PTB 99 ATEX 3103	EN60079-0:2004 EN60079-7:2003 EN60079-11:2007 EN60079-18:2004	Junction and Terminal Boxes Type 8118	II 2 G EEx e II T6/T5 or II 2 G EEx ia/ib IIA/IIB/IIC T6/T5 II 2 G EEx em II T6/T5/T4 or II 2 G EEx ia/ib IIA/IIB/IIC T6/T5

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SCHEDULE

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Sira 11ATEX1356X

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Certificate	Standard Edition	Description	Ex Marking
CESI 03 ATEX 333	EN60079-0:2006 EN60079-7:2003 EN60079-11:2007	Terminal Boxes series S.A	II 2 GD Ex e II T6, T5, T4 Ex tD A21 IP66 T85°C, T100°C, T135°C II 2(1) GD Ex e [ia] IIC T6, T5, T4 Ex tD [iaD] A21 IP66 T85°C, T100°C, T135°C II 1 GD Ex ia IIC T6, T5, T4 Ex tD A20 IP66 T85°C, T100°C, T135°C Refer to certificate tables for temperature classification and ambient range of specific models
SIRA 09 ATEX 3083X	EN60079-0:2006 EN60079-7:2007	EP Range of Junction Boxes & Control Stations and DP Range of Junction Boxes & Control Stations	II 2 G Ex e IIC T, Gb IP65/66
Baseefa 06 ATEX 0056X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	A range of Cable Glands with Compression Type Seals	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C [or +100°C See Special Conditions])
Baseefa 06 ATEX 0057X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	Type 501/453 UNIV Cable Glands	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C)
Baseefa 06 ATEX 0058X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	A range of Barrier Type Cable Glands	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C)
Baseefa 06 ATEX 0256X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	A Type HA* Barrier Gland	II 2GD Ex d IIC Ex e II
SIRA 13 ATEX 1068X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types A**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C, ② ① When fitted with the standard seal , ② When fitted with the high temperature seal
SIRA 13 ATEX 1071X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types E**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C, ② ① When fitted with the standard seal , ② When fitted with the high temperature seal
SIRA 13 ATEX 1072X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types PX**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +85°C ②
SIRA 13 ATEX 1073X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types Triton T3** and TE**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C, ② ① When fitted with the standard seal , ② When fitted with the high temperature seal
Sira 10ATEX1172X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	PXFC Barrier Gland for Flexible Conduit	II 2GD Ex d IIC Gb / Ex e IIC Gb
Baseefa 06 ATEX 0352X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003/+Amd 1	A Range of Thread Adaptors	II 2GD Ex d IIC Ex e II Ex tD A21 IP6X

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Certificate	Standard Edition	Description	Ex Marking
SIRA 13 ATEX 1265X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Type 737,747, 757, 767 and 797 ranges of adaptors, reducers and stopping plugs	II 2G Refer certificate for markings
ITS 13 ATEX 17782X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	CT Breather/Drain	II 2 GD/I M2 Ex d I/II MbGb Ex e I/IIc Mb/Gb
SIRA 10 ATEX 3279X	EN60079-0:2009 EN60079-7:2007	Breather Drain Type CV	II 2 GD Ex e IIC Gb
CESI 15 ATEX 029X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-7:2007	Adaptors and plugs series AD.RE..., AD.EN..., AD.FF..., AD.MM..., SP.MD..	II2GD Ex d IIC Gb Ex e IIC Gb Ta -40°C +100°C
Baseefa 06 ATEX 0092	EN60079-0:2004 EN50020:2002 EN60079-26:2004	Type KCD2-SR-Ex*. * Switch Amplifier	II (1) GD [Ex ia] IIC -20°C ≤ Ta ≤ +60°C
PTB 00 ATEX 2081	EN60079-0:2009 EN60079-11:2007	Isolation switching amplifier type K"A"-SR"-Ex".W."	II (1) GD [EEx ia] IIC
CESI 04 ATEX 143	EN60079-0:2006 EN60079-11:2007 EN60079-26:2007	Galvanically isolated barrier Type KFD2-UT2-Ex Universal Temperature Module	II (1) G [Ex ia] IIC
IBExU 10 ATEX 1044	EN60079-0:2006 EN60079-11:2007 EN60079-15:2005	Temperature Transducer Type MACX MCR-EX-T-U(REL)-SP(-UP) and MACX MCR-EX-T-U(REL)-SP(-UP)-C	II (1) G [Ex ia] IIC/IIB/IIA II 3G Ex naC ic IIC/IIB/IIA T4X -20°C ≤ Ta ≤ +65°C
IBExU 07 ATEX 1069	EN60079-0:2006 EN60079-11:2007	NAMUR Isolating Amplifier Type MACX-MCR-EX-SL-	II (1) GD [Ex ia] IIC
IBExU 10 ATEX 1005	EN60079-0:2006 EN60079-11:2007 EN60079-15:2005	NAMUR Isolating Amplifier Type MACX-MCR-EX-SL-xNAM-yR-UP(-SP)	II (1) G [Ex ia] IIC II 3 (1) G Ex nAC [ia] IIC T4X -20°C ≤ Ta ≤ +65°C
BVS 10 ATEX E 113X	EN60079-0:2012 EN60079-11:2012 EN60079-15:2010 EN60079-26:2007	DIN Rail isolators type D5****, D5****-xxx	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
BVS 12 ATEX E 053X	EN60079-0:2012+A11:2013 EN60079-11:2012 EN60079-15:2010 EN60079-26:2007	DIN Rail isolators type D5072*, D5072*-xxx, D5273S-xxx	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
DEMKO 02 ATEX 0132424	EN50014:1997+A1/A2:1999 EN50019:2000	Self Regulating heating cable type BSX with accessories	II 2G/D EEx e II T5 or T6
FM13ATEX0052	EN60079-0:2012 EN60079-30-1:2007	BSX Parallel Circuit Self-Regulating Heating Cable Systems	II 2 G Ex eb IIC T5 or T6, Ta=-60°C to +55°C
PTB 04 ATEX 1028X	EN60079-0:2006 EN60079-1:2004 EN60079-11:2007	Actuator model S, type EX MAX.../...	II 2 G/D EEx d ia IIC T6 or T5 IP66 T80°C or 95°C

- iv. Assessment of the Type ST equipment assemblies for compliance with the requirements of EN 60079-0:2011 and EN 60079-14:2014.
- v. Assessment of the Type ST equipment assemblies for compliance with the requirements of IECEx EXTAG DS 2015/001A.
- vi. Change to the ATEX Category from "II 2(1)G" to "II 2G"
- vii. Change to the certification code from "Ex d e [ia] mb IIB+H2 T*" to "Ex II* T* Gb" in accordance with the re-assessment.

14 DESCRIPTIVE DOCUMENTS

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SCHEDULE

TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X

Issue 3

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	16 th July 2012	R25966A/00	The release of the prime certificate.
1	30 th September 2013	R31388A/00	The introduction of Variation 1.
2	04 th April 2017	R70089376A	This Issue covers the following changes: <ul style="list-style-type: none"> Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i> The introduction of Variation 2.
3	31st October 2019	0963	<ul style="list-style-type: none"> Transfer of certificate Sira 11ATEX1356X from Sira Certification Service to CSA Group Netherlands B.V..

15 SPECIFIC CONDITIONS OF USE

15.1 The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
TPS 13 ATEX 55283 007 X	Use of flammable refrigerants: Only types of refrigerants are permitted with an auto ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.
	There are only lubricants permitted with an auto-ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.
	Maximum operating current according to the specifications on the type plate shall not be exceeded even in the frequency-controlled area.
	The notes in the operating / assembly instructions and the manufacturer's safety concept have to be observed.
	The ignition protection measures described in the manufacturer's operating / assembly instructions must be observed
	Compressors with insulating coating $< 2\text{mm}$ may be used only in the gas groups IIB or IIA

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Certificate	Specific Conditions Of Use
TPS 13 ATEX 55283 008 X	<p>Use of flammable refrigerants: Only types of refrigerants are permitted with an auto ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.</p> <p>There are only lubricants permitted with an auto-ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.</p> <p>Maximum operating current according to the specifications on the type plate shall not be exceeded even in the frequency -controlled area.</p> <p>The notes in the operating / assembly instructions and the manufacturer's safety concept have to be observed.</p> <p>The ignition protection measures described in the manufacturer's operating/assembly instructions must be observed</p> <p>Compressors with insulating coating $< 2\text{mm}$ may be used only in the gas groups IIB or IIA</p>
Sira 08 ATEX 5106X	<p>Type SX024VDC; $U_i = 26.4\text{V d.c}$ Type SX024DC (CS); $U_i = 26.4\text{V d.c}$ Type SX110AC; $U_m = 132\text{V rms}$ Type SX230AC; $U_m = 250\text{V rms}$</p>
Sira 10ATEX1001X	<p>The motor incorporates flameproof joints with dimensions which are other than the relevant minimum width and/or the maximum gap permitted in Table 1 of EN 60079-1. The user shall contact the manufacturer for the appropriate information with respect to the flameproof joints.</p>
CESI 11 ATEX 052X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p>
CESI 12 ATEX 014X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p> <p>For installation in places with presence of Gas Group IIC, when motors are painted with a maximum thickness of paint exceeding 0.2mm, shall be taken into account the risk of electrostatic discharge</p>
CESI 06 ATEX 059X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p> <p>When the supply voltage tolerance is not $\pm 10\%$, then on the nameplate is provided indication of the range of voltage variation "$U_n \pm 5\%$" (within "zone A") of the IEC 60034-1 Standard)</p>
CESI 06 ATEX 060X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p> <p>When the supply voltage tolerance is not $\pm 10\%$, then on the nameplate is provided indication of the range of voltage variation "$U_n \pm 5\%$" (within "zone A") of the IEC 60034-1 Standard)</p>

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Certificate	Specific Conditions Of Use
	For installation in places with presence of Gas Group IIC, when motors are painted with a maximum thickness of paint exceeding 0.2mm, shall be taken into account the risk of electrostatic discharge.
	For installation of motors without ventilation, when the cooling is provided by a fan directly coupled to the motor (method IC 418), the final user shall ensure the temperature class of motor.
Baseefa 07 ATEX 0295X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 07 ATEX 0296X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0298X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6steel in accordance with ISO 968-1
Baseefa 08 ATEX 0299X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0300X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0301X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
TÜV IT 14ATEX 050 X	The dimensions of the joints are different from those indicated in the reference standards. For information about dimensions of the flameproof joints the manufacturer shall be contacted Due to the possible presence of electrostatic charges in IIC enclosures with special paint (thickness exceeding 0,2 mm), clean the motor only with a wet rag or by no-frictional means
TÜV IT 14 ATEX 065 X	The dimensions of the joints are different from those indicated in the reference standards. For information about dimensions of the flameproof joints the manufacturer shall be contacted
Baseefa 14 ATEX 0030X	The equipment may present a potential electrostatic charging hazard; the user instructions shall be followed in order to minimise the risk of electrostatic discharge
PTB 07 ATEX 1036X	Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in Tables 1 and 2 of EN 60079-1
BVS 13 ATEX E 125 X	The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of EN 60079-1:2007. For information of the dimensions of the flameproof joints contact the manufacturer. Fasteners with a minimum yield stress of 640N/mm ² must be used for the closing of the flameproof enclosure
BKI 11 ATEX 0019	The enclosure(s) must not open or dismantle while it is energised
IMQ 11 ATEX 031X	For enclosures EJB..A and EJB..S: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.

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Certificate	Specific Conditions Of Use
	<p>For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows:</p> <ul style="list-style-type: none"> • UPB2 actual 25,5 mm vs 25 mm • UPBL actual 29 mm vs 25 mm • UHLB and UHB: actual 35 mm vs 25 mm • UHS actual 32 mm vs 25 mm • UVD actual 27 mm vs 25 mm • UVB actual 28 mm vs 25 mm <p>Use suitable cables, in relation to class temperature, when under rated conditions the temperature at the entry point can be higher than 70 °C, or the temperature at the branching point of conductors can be higher than 80 °C.</p> <p>Minimum quality fasteners, for EJB enclosures, shall be A2-70 at least.</p>
INERIS 13 ATEX 0022X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p> <p>During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J</p>
INERIS 13ATEX 0058X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p>
INERIS 14 ATEX 0022X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p>
PTB 00 ATEX 3116	<p>The maximum number of conductors for each enclosure size, which is subject to the cross section and the permissible continuous current, is shown in the supplements.</p> <p>When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection must be observed.</p> <p>Terminal boxes with a coating of polyester powder finish must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.</p>
PTB 09 ATEX 1108	<p>The maximum number of conductors for the housing size in dependence on the section and the permissible continuous current rating are to be taken from the data sheets.</p> <p>When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.</p>

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Certificate	Specific Conditions Of Use
	The connection and junction box with a coating of polyester powder must not be used in areas affected by charge producing processes, , mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
PTB 01 ATEX 1016	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall be duly observed.
	The line-side fuse or protective device shall be selected so as to provide for safe interruption of the max. rated current, the max. rated short-circuit current and the max. rated short-time current (1s).
PTB 99 ATEX 3103	Instruction of the manufacturer "Clean only with wet cloth" is to be followed.
	The suitability for low ambient temperatures is visible by special marking. Only such separately certified sealing gaskets and built-in and built-on components, which are suitable for these temperatures, are used. Additional instructions of the manufacturer are to be followed.
	The maximum number of conductors that can be used for each enclosure size is subject to the cross section and the admissible current rating and is shown in the attached specification sheets.
SIRA 09 ATEX 3083X	WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – The polycarbonate window and nylon window shroud may generate an ignition capable level of electrostatic charge, refer to the instruction on how to install and maintain the equipment safely and prevent static charge build up.
	The EP1511, DP1511, EP2315 and DP2315 models shall only be installed in areas where there is a low risk of mechanical impact.
CESI 15 ATEX 029X	The coupling of the adaptors and plugs with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order respect the type of protection of the electrical apparatus on which the adaptors and plugs are mounted.
	The adaptors and plugs shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.
IBExU 10 ATEX 1044	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
	Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2
IBExU 10 ATEX 1005	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
PTB 04 ATEX 1028X	For repair of the flameproof joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the values in tables 1 and 2 of EN60079-1 is not accepted.

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TYPE EXAMINATION CERTIFICATE

**Sira 11ATEX1356X
Issue 3**

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

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Certificate Annexe



Certificate Number: Sira 11ATEX1356X

Equipment: Type 'ST' Air Conditioning Units (HVAC) ; Type 'ST' Water Chiller Units

Applicant: Stolway Pty. Limited

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrical Installation Std General Notes & Diagrams
60107-STD-DE-DP-200	1 of 1	0	10 Jun 12	HVAC Unit Label ATEX EC Type Examination Certificate Design Part
60107-STD-EL-SC-200	1 to 3	0	10 Jun 12	HVACR Unit Schedule of Pre-Certified Components ATEX EC Type Examination Certificate

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-EL-SC-200	1 of 5	1	29 Aug 13	ATEX EC Type Examination certificate pre-certified component list

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-DE-DP-200	1 of 1	4	08 Mar 17	HVAC unit label, ATEX
60107-STD-EL-DG-700	1 of 1	1	08 Mar 17	Typical earthing single line diagram
60107-STD-EL-SC-220	1 to 4	0	08 Mar 17	ATEX EC Type Examination certificate pre-certified components
60107-STD-EL-SC-221	1 to 11	10	03 Apr 17	ATEX Conditions of Certification Schedule
60107-STD-ME-DA-011	1 of 1	1	08 Mar 17	Air conditioning unit general arrangement
60107-STD-ME-DA-012	1 of 1	1	08 Mar 17	Water chiller general arrangement
Procedure 96	1 to 13	0	08 Mar. 17	HVACR electrical selection design and installation

Note1: The following drawings have been removed from the schedule:

- 60107-STD-ME-DA-001, Typical Stolway Air conditioning Unit General Arrangement
- 60107-STD-ME-DA-002, Typical Stolway Water Chiller General Arrangement
- 60107-STD-EL-DA-001, Stolway HVACR Electrical installation Std General Notes & Diagrams
- 60107-STD-EL-SC-200, ATEX list of permitted Ex certified equipment

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1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU

3 Certificate Number: **Sira 11ATEX1356X** Issue: **2**

4 Equipment: **Type 'ST' Air Conditioning Units (HVAC)**
Type 'ST' Water Chiller Units

5 Applicant: **Stolway Pty. Limited**

6 Address: 9 Charcoal Close
Unanderra
2526
Australia

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Sira Certification Service certifies that this equipment has been found to comply with the Essential Health and Safety Requirements that relate to the design of Category 2 equipment, which is intended for use in potentially explosive atmospheres. These Essential Health and Safety Requirements are given in Annex II to European Union Directive 2014/34/EU of the European Parliament and of the Council, 26 February 2014.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN 60079-0:2012/A11:2013 EN 60079-14:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

10 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.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following:



II 2 G
Ex II* T* Gb (Ta = -*°C to +*°C)

Notes:

1. * The Equipment Group, Temperature Classification and ambient temperature range are determined by the schedule documents, dependant on items fitted.
2. The marking that is shown is a typical example since the information that is applied to this equipment by the manufacturer depends upon the previously certified devices that are used in its construction and is specific to each unit.

Project Number 70089376


N Jones
Certification Manager

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13 DESCRIPTION OF EQUIPMENT

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units incorporate devices that have been previously certified using appropriate standards (refer to the certificate associated with each device); the suitability of the interconnection of the devices has been assured using the relevant code of practice. Listed below are the devices that are used in the construction of the Air Conditioning and Water Chiller Units.

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Compressor assembly	Sira 07ATEX1286	Ex d	IIB + H2	T3 or T4	-20 to +60°C
Compressor assembly	TPS 06ATEX1166X	'II 2 G cb'	IIC	T3	-20 to +50°C
Compressor assembly	TPS 06ATEX1230X	Ex d	IIC	T3	-20 to +50°C
Compressor assembly	TPS 05ATEX1127X	'II 2 G cb'	IIC	T3	-20 to +50°C
Heater assembly	Sira 10ATEX3053X	Ex e	IIC	T3 or T5	-40 to +55°C or -40 to +44°C
Solenoid (Refrigeration)	Sira 08ATEX5106X	Ex ma or	IIC	T4	-40 to +60°C
		Ex mb	IIC	T4	-40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	II	T3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or EEx de	IIB	T6, T5, T4 or T3①	-20 to +80°C
Motor	CESI 02 ATEX 122	EEx d or EEx de	IIB	T6, T5, T4 or T3②	-20 to +80°C
Motor	CESI 01ATEX103	Ex d Ex de	IIC	T6, T5, T4 or T3③	-20 to +60°C
Motor	CESI 02 ATEX 045X	Ex d	IIC	T6, T5, T4 or T3④	-35 to +40°C -50 to +40°C
Motor	CESI 02 ATEX 123	EEx d or EEx de	IIC	T6, T5, T4 or T3⑤	-20 to +60°C
Motor	CESI 06 ATEX 059	Ex d	IIB	T4 or T3	-20 to +60°C
Motor	CESI 06 ATEX 060	Ex d	IIC	T4 or T3	-20 to +60°C
Motor	Sira 06ATEX3110X	Ex e	II	T3	Refer to certificate
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	KEMA 01 ATEX 2145 X	Ex d	IIB + H2 IIB	T6, T5 or T4	Refer to certificate
Junction boxes	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Junction boxes	Sira 99ATEX3200X	Ex e Ex ia	IIC	T6, T5 or T4	Refer to certificate
Junction boxes	PTB 00 ATEX 3116	EEx edm [ia] EEx ia/ib	IIC IIA/IIB/IIC	T6, T5 or T4	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Junction boxes	LOM 02 ATEX 2022	Ex e	II	T6	-40 to +55°C
Junction boxes	PTB 09 ATEX 1108	Ex d e ia/ib	IIA, IIB, IIC	T6, T5 or T4	Refer to certificate
Junction boxes	PTB 01 ATEX 1016	EEx edm ia/ib [ia]	IIC/IIB/IIA	T6, T5 or T4	Refer to certificate
Cable glands	Baseefa 06ATEX0058X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0056X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0256X	Ex d Ex e	IIC II	N/A	-60 to +80°C
Cable glands	Baseefa 06ATEX0057X	EEx d EEx e	IIC II	N/A	-60 to +80°C
Cable glands	Sira 06ATEX1283X	Ex d Ex e	IIC II	N/A	-60 to +130°C
Cable glands	Sira 06ATEX1097X	Ex d Ex e	IIC II	N/A	Refer to certificate
Cable glands	Sira 10ATEX1172X	Ex d Ex e	IIC IIC	N/A	-60 to +85°C
Reducers	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plugs/Reducers	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate
IS barrier	Baseefa 06ATEX0092	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	PTB 00ATEX 2081	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	CESI 04 ATEX 143	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	Baseefa 07ATEX 0211	[EEx ia]	IIC	N/A	-20 to +60°C
IS barrier	IBExU 10 ATEX 1044	[Ex ia]	IIC/IIB/IIA	N/A	-20 to +65°C
IS barrier	IBExU 07 ATEX 1069	[Ex ia]	IIC	N/A	-20 to +60°C
IS barrier	IBExU 10 ATEX 1005	[Ex ia]	IIC	N/A	-20 to +60°C
Self-regulated heating cable	DEMKO 02 ATEX 0132424	Ex e	II	T5 or T6	-51 to +40°C

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- ① The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/B annexed to the EC-Type examination certificate.
- ② The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/B annexed to the EC-Type examination certificate.
- ③ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0105/C annexed to the EC-Type examination certificate.
- ④ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/6100/C annexed to the EC-Type examination certificate.
- ⑤ The temperature class is a function of the ambient temperature and of the electrical characteristics as indicated in the technical note no. NT/AM/0251/C annexed to the EC-Type examination certificate.

Variation 1 - This variation introduced the following changes:

- i. The following table lists the introduction of additional ATEX devices and amendment of the Concept (#) or Item description (*) on a number of previously listed devices that are used in the construction the Air Conditioning and Water Chiller Units:

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Solenoid	PTB 03 ATEX 2018X	Ex mb	IIC	T6, T5 or T4	Refer to certificate
Motor	Sira 10ATEX1001X	Ex d	IIB	T4 or T5	Refer to certificate
Motor	CESI 11 ATEX 052X	Ex d Ex de	IIB IIB	T4, T3 T4, T3	Refer to certificate
Motor	CESI 12 ATEX 014X	Ex d Ex de	IIC IIC	T4, T3 T4, T3	Refer to certificate
Motor	Baseefa 07ATEX0295X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 07ATEX0296X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0298X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0299X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0300X	Ex d	IIB	T4 or T3	-20 to +50°C Refer to certificate
Motor	Baseefa 08ATEX0301X	Ex de	IIC	T4 or T3	-20 to +50°C Refer to certificate
Electrical enclosure #	BKI 06ATEX050	Ex d Ex db [ia/ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure #	BKI 08 ATEX 019	Ex d Ex db [ia] Ex db [ib]	IIB + H2	T6, T5, T4 or T3	Refer to certificate
Electrical enclosure	BKI 11 ATEX 0019	Ex db Ex db [ia] Ex db [ib]	IIC	T6...T3	Refer to certificate
Electrical enclosure	CESI 01 ATEX 027	Ex d	IIB + H2 IIB	T6, T5 or T4	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Electrical enclosure	CESI 01 ATEX 036	Ex d	IIC	T6, T5 or T4	Refer to certificate
Electrical enclosure	CESI 02 ATEX 073	Ex d [ia]	IIB + H2 IIB	T6 or T5	Refer to certificate
Electrical enclosure	IMQ 11 ATEX 031	Ex d Ex d e [iaGa] Ex d e [ibGb]	IIB + H2	T6, T5 or T4	Refer to certificate
Junction box / Enclosure •	Sira 99ATEX3199	Ex e Ex ia	IIC	T6, T5, T4 or T3	Refer to certificate
Junction box / Enclosure •	Sira 99ATEX3200X	Ex e Ex ia	IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure •	PTB 00 ATEX 3116	EEx edm [ia] EEx ia/ib	IIC IIA/IIB/IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure •	PTB 09 ATEX 1108	Ex d e ia/ib	IIA,IIB,IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure •	PTB 01 ATEX 1016	EEx edm ia/ib [ia]	IIC/IIB/IIA	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	PTB 99 ATEX 3103	EEx e EEx ia/ib EEx em	II IIA/IIB/IIC II	T6/T5 T6/T5 T6/T5/T4	Refer to certificate
Junction box / Enclosure •	LOM 02 ATEX 2022	Ex e	II	T6	-40 to +55°C
Junction box / Enclosure	LOM 02ATEX2024	Ex e Ex ed	II IIC	T6	-40 to +55°C
Junction box / Enclosure	CESI 03 ATEX 333	EEx e EEx e [ia] EEx ia	II IIC IIC	T6, T5 or T4	Refer to certificate
Junction box / Enclosure	KEMA 10ATEX0050	Ex e Ex e [ia] Ex ia	IIC	T6...T4	Refer to certificate
Junction box / Enclosure	INERIS 02 ATEX 0067X	EEx e EEx ia EEx e[ia]	II IIB/IIC IIB/IIC	T5, T4 or T3	Refer to certificate
Junction box / Enclosure	INERIS 03 ATEX 0027X	EEx e EEx ia EEx e[ia]	II IIB/IIC IIB/IIC	T5, T4 or T3	Refer to certificate
Plug / Reducer / Accessory •	Baseefa 06ATEX0352X	Ex d Ex e	IIC II	N/A	-
Plug / Reducer / Accessory •	Sira 04ATEX1365U	Ex d Ex e	IIC II	N/A	-60 to +160°C -20 to +80°C
Plug / Reducer / Accessory •	Sira 00ATEX1094X	Ex d Ex e	IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory •	Sira 02ATEX1003X	Ex d Ex e	IIC II	N/A	Refer to certificate

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Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST' Units and is covered by the specified certificates			
		Concept	Gas group	T class	Amb. temp.
Plug / Reducer / Accessory	Sira 08ATEX1288U	Ex d Ex e	IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	ITS 13ATEX17782U	Ex d Ex e	II IIC	N/A	Refer to certificate
Plug / Reducer / Accessory	LOM 03ATEX3096U	EEx d EEx d EEx e	IIB IIC II	N/A	Refer to certificate
Plug / Reducer / Accessory	LOM 06ATEX3079U	EEx d EEx d EEx e	IIB IIC II	N/A	Refer to certificate

ii. To replace the T class noted in Section 12, Marking, with 'T*'.
Variation 2 - This variation introduced the following changes:

- i. Change the certificate type from "EC Type-Examination" to "Type Examination".
- ii. To permit a change to the manufacturer's name from Stolway Holdings Pty Limited to Stolway Pty. Limited.
- iii. The equipment that is permitted for installation under Sira 11ATEX1356X is updated as follows:

Certificate	Standard Edition	Description	Ex Marking
Sira 07 ATEX 1286	EN60079-0:2006 EN60079-1:2007	Compressor Assembly	II 2 G Ex d IIB+H2 T4 (Ta= -20 to +60°C)
TPS 13 ATEX 55283 007 X	EN1127-1:2011 EN13463-1:2009 EN60079-0:2009	Compressor of the series EX-HG(X)4; EX-HG(X)5; EX-HG(X)6	II 2G IIC T3 Gb II 2G IIB T3 Gb
TPS 13 ATEX 55283 008 X	EN1127-1:2011 EN13463-1:2009 EN60079-0:2009	Compressor of the series EX-HG(X)12; EX-HG(X)22; EX-HG(X)34	II 2G IIC T3 Gb II 2G IIB T3 Gb
Sira 10 ATEX 3053X	EN60079-0:2009 EN60079-7:2007	Heating Element Assembly	II 2 G Ex e IIC T3 Gb (Ta = -40°C to +55°C) Ex e IIC T5 Gb (Ta = -40°C to +44°C)
Sira 08 ATEX 5106X	EN60079-0:2006 EN60079-18:2004 EN60079-26:2007	SX024DC, SX024DC (CS), SX110AC, SX230AC Solenoid Coils	II 1 G Ex ma IIC T4 IP66 (for type SX024DC & SX024DC (CS) (Ta = -40°C to +60°C) II 2 G Ex mb IIC T4 IP66 (for type SX110AC and SX230A) (Ta = -40°C to +60°C)
LCIE 03 ATEX 6451X	EN60079-0:2006 EN60079-1:2004 EN60079-18:2004	Electrovalves - Type : .../495900... or .../495905...	Ex d mb IIC T* Gb
PTB 03 ATEX 2018X	EN60079-0:2006 EN60079-18:2004	Solenoid, type 0515..and type 1215	II 2 G EEx m II T6, T5 or T4

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Certificate	Standard Edition	Description	Ex Marking
Sira 10ATEX1001X	EN60079-0:2009 EN60079-1:2007	The Range of HPD Flameproof Induction Motors Frame Size 80 to 315	I M2 c II 2 G c 135°C (T4) Ex d I Mb Ex d IIB T4 Gb (Motor de-rated to 75% rating, see option 22 in the description) I M2 c II 2 G c 100°C (T5) Ex d I Mb Ex d IIB T5 Gb
CESI 11 ATEX 052X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	Three Phase asynchronous motor series MAK,MAKe 180-250	II 2 G Ex d IIB T4, T3 Gb II 2 G Ex d e IIB T4, T3 Gb
CESI 12 ATEX 014X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	Three Phase asynchronous motor series MAK,MAKe 180-250	II 2 G Ex d IIC T4, T3 Gb II 2 G Ex d e IIC T4, T3 Gb
CESI 06 ATEX 059	EN60079-0:2006 EN60079-1:2004	Three Phase and mono phase asynchronous motor series MAK 56-160	II 2G Ex d IIB T4 or T3
CESI 06 ATEX 060	EN60079-0:2006 EN60079-1:2004	Three phase and mono-phase asynchronous motors series MAK 56 - 132	II 2G Ex d IIC T4 or T3
Baseefa 07 ATEX 0295X	EN60079-0:2006 EN60079-1:2004	A Low Voltage A.C Motor Frame Size 132	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 07 ATEX 0296X	EN60079-0:2006 EN60079-1:2004 EN60079-7:2006	A Low Voltage A.C Motor Frame Size 132	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0298X	EN60079-0:2006 EN60079-1:2007	A Low Voltage A.C Motor Frame Sizes 80 and 90	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0299X	EN60079-0:2006 EN60079-1:2007 EN60079-7:2007	A Low Voltage A.C Motor Frame Sizes 80 and 90	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0300X	EN60079-0:2006 EN60079-1:2007	A Low Voltage A.C Motor Frame Sizes 100 and 112	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
Baseefa 08 ATEX 0301X	EN60079-0:2006 EN60079-1:2007 EN60079-7:2007	A Low Voltage A.C Motor Frame Sizes 100 and 112	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
TÜV IT 14ATEX 050 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Three phase and single phase asynchronous electric motors ATEX Regal series, type AC..r 63 – AC..r 315 Three phase and single phase brake motors ATEX Regal series, type DC..r63 – DC..r315 and type HC..r71 – HC..r160	II 2G Ex d IIC T6...T3 Gb Tamb: -50°C ÷ +60°C II 2G Ex d e IIC T6...T3 Gb Tamb: -50°C ÷ +60°C (Refer to certificate for different ambient temperatures)

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Certificate	Standard Edition	Description	Ex Marking
TÜV IT 14 ATEX 065 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Three phase and single phase asynchronous electric motors ATEX Regal series, type AB..r 63 – AB..r 315 Three phase and single phase brake motors ATEX Regal series, type DB..r63 – DB..r315 and type HB..r71 – HB..r160	II 2G Ex d IIB T6...T3 Gb Tamb: -50°C ÷ +80°C II 2G Ex d e IIB T6...T3 Gb Tamb: -50°C ÷ +80°C (Refer to certificate for different ambient temperatures)
Baseefa 14 ATEX 0030X	EN60079-0:2012 EN60079-1:2007	Range of SGA induction motor frames 71 to 315 and HGA induction motor frames 80-280	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally +50°C))
PTB 07 ATEX 1036X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	Three-phase motor 4KTC 63	II 2 G Ex d IIC T4 II 2 G Ex de IIC T4
BVS 13 ATEX E 125 X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Flameproof electric motors type 4KT** * * * * *	II 2G Ex d IIC T* Gb resp. Ex de IIC T* Gb II 2G Ex d IIB T* Gb resp. Ex de IIB T* Gb
BKI 11 ATEX 0019	EN60079-0:2009 EN60079-1:2007 EN60079-11:2007	Enclosure type EJC	II 2GD Ex db IIC T6...T3, Ex tb IIIC IP66 T85°...T150°C II 2(1)GD Ex db [ia] IIC T6, Ex tb [ia] IIIC IP66 T85° II 2(2)GD Ex db [ib] IIC T6, Ex tb [ib] IIIC IP66 T85°
CESI 01 ATEX 027	EN60079-0:2009 EN60079-1:2007	Command, Control and Signalling Units series CCF and EJB	II 2 G EEx d IIB T6, T5, T4
CESI 01 ATEX 036	EN60079-0:2009 EN60079-1:2007	Command, Control and Signalling Units series CCA, GUB, CCAI	II 2 GD EEx d IIC T6 or T5 IP66 T85 or T100°C
CESI 02 ATEX 073	EN60079-0:2009 EN60079-1:2007 EN60079-11:2007 EN60079-26:2007	Command and control units and interface units series CCF, EJB	II 2(1) G EEx d [ia] IIB T6, T5 II 2(1) G Ex d [ia] IIB + H2 T6, T5 II 2 (1) G Ex d [ia Ga] IIB T6, T5 Gb or II 2(1) G Ex d [ia Ga] IIB + H2 T6, T5 Gb
IMQ 11 ATEX 031X	EN60079-0:2012 EN60079-1:2014 EN60079-11:2012	EJB ****	II2G Ex db IIB+H2 T4/T5/T6 Gb II2(1)G Ex db [ia Ga] IIB+H2 T4/T5/T6 Gb II2(2)G Ex db [ib Gb] IIB+H2 T4/T5/T6 Gb
DEKRA 13 ATEX 0209	EN60079-0:2012 EN60079-1:2007 EN60079-2:2007 EN60079-5:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2009 EN60079-28:2007	Control/Distribution panels series BARTEC B/C/D/E and BARTEC B/C/D/E assembly	II 2 (..) G Ex d...[..G..] IIB + H2 T6 to T3 Gb II 2 (..) G Ex d...[..G..] IIC T6 to T3 Gb II 2 (..) G Ex e...[..G..] IIB/IIC T6 to T3 Gb
INERIS 13 ATEX 0022X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-11:2012	Enclosures type EJB...	II 2 GD Ex d IIB+H2 T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H2 T(**)Gb Ex tb [ia Da] IIIC T(**) Db IP66 Refer to certificate tables for temperature classification and ambient range of specific models
INERIS 13ATEX 0058X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-11:2012	Enclosures type EJB	IIII 2 GD Ex d IIB+H2 T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H2 T(**)Gb Ex tb [ia Da] IIIC T(**) Db IP66 Refer to certificate tables for temperature classification and ambient range of specific models

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Certificate	Standard Edition	Description	Ex Marking
INERIS 14 ATEX 0022X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-7:2007 EN60079-11:2012	Enclosures type EJB***/EJBX***	II 2G or II 2D or II 2(1)G or II 2(1)D or II(2)G or II(2)D Ex d (***) IIA or IIB or IIB+Hz Gb Ex tb (***) IIIC Db IP(****) Refer to certificate for marking details for specific models
Sira 99 ATEX 3199	EN60079-0:2009 EN60079-7:2007 EN60079-11:2007	XL/FXL/AL/SL/RX range of terminal and control boxes	II 1 G Ex ia IIC T* Ga (Ta = - °C to °C) II 2 GD Ex e IIC T* Gb (Ta = - °C to °C)
Sira 99 ATEX 3200X	EN60079-0:2006 EN60079-7:2007	The GL range of terminal enclosures	II 2 GD Ex ia IIC T* Ga (Ta – °C to + °C) or Ex tb IIIC T# °C Db (Ta – °C to + °C) IP6X II 2 GD Ex e IIC T* Gb (Ta – °C to + °C) or Ex tb IIIC T# °C Db (Ta – °C to + °C) IP6X II 2 GD Ex e II T* Ex tb IIIC Db T# °C (Ta – °C to + °C) IP6X Refer to certificate tables for temperature classification and ambient range of specific models
PTB 00 ATEX 3116	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2009	Terminal Box Type 8125/1, 8125/2	II 2 G EEx edm [ia] IIC T4/5/6 or II 2 G EEx ia/ib IIA/IIB/IIC T6... Refer comments
PTB 09 ATEX 1108	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007 EN60079-11:2007 EN60079-18:2004	Connection and Junction Box Type 8150/1, 8150/2	II 2 G Ex db eb ia/ib mb IIA,IIB,IIC T6, T5, T4 or Ex d e ia/ib mb IIA, IIB, IIIC, T6, T5, T4 Gb II 2 D Ex tb IIIC IP66 T80°C, T95°C, T130°C or Ex t IIIC IP66 T80°C, T95°C, T130°C Db Refer to certificate tables for temperature classification and ambient range of specific models
PTB 01 ATEX 1016	EN60079-0:2006 EN60079-1:2004 EN60079-7:2003 EN60079-11:2007 EN60079-18:2004	Terminal Box Type 8146/1, 8146/2	II 2 G EEx edm ia/ib [ia] IIC/IIB/IIA T6, T5 or T4
PTB 99 ATEX 3103	EN60079-0:2004 EN60079-7:2003 EN60079-11:2007 EN60079-18:2004	Junction and Terminal Boxes Type 8118	II 2 G EEx e II T6/T5 or II 2 G EEx ia/ib IIA/IIB/IIC T6/T5 II 2 G EEx em II T6/T5/T4 or II 2 G EEx ia/ib IIA/IIB/IIC T6/T5

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Certificate	Standard Edition	Description	Ex Marking
CESI 03 ATEX 333	EN60079-0:2006 EN60079-7:2003 EN60079-11:2007	Terminal Boxes series S.A	II 2 GD Ex e II T6, T5, T4 Ex tD A21 IP66 T85°C, T100°C, T135°C II 2(1) GD Ex e [ia] IIC T6, T5, T4 Ex tD [iaD] A21 IP66 T85°C, T100°C, T135°C II 1 GD Ex ia IIC T6, T5, T4 Ex tD A20 IP66 T85°C, T100°C, T135°C Refer to certificate tables for temperature classification and ambient range of specific models
SIRA 09 ATEX 3083X	EN60079-0:2006 EN60079-7:2007	EP Range of Junction Boxes & Control Stations and DP Range of Junction Boxes & Control Stations	II 2 G Ex e IIC T, Gb IP65/66
Baseefa 06 ATEX 0056X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	A range of Cable Glands with Compression Type Seals	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C [or +100°C See Special Conditions])
Baseefa 06 ATEX 0057X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	Type 501/453 UNIV Cable Glands	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C)
Baseefa 06 ATEX 0058X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003	A range of Barrier Type Cable Glands	II 2GD Ex d IIC Ex e II (-60°C ≤ ta ≤ +80°C)
Baseefa 06 ATEX 0256X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	A Type HA* Barrier Gland	II 2GD Ex d IIC Ex e II
SIRA 13 ATEX 1068X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types A**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C ② ① When fitted with the standard seal ② When fitted with the high temperature seal
SIRA 13 ATEX 1071X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types E**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C ② ① When fitted with the standard seal ② When fitted with the high temperature seal
SIRA 13 ATEX 1072X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types PX**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +85°C
SIRA 13 ATEX 1073X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Cable Gland Types Triton T3** and TE**	II 2G Ex e IIC Gb Ex d IIC Gb Ta = -60°C to +130°C ① -20°C to +200°C ② ① When fitted with the standard seal ② When fitted with the high temperature seal
Sira 10ATEX1172X	EN60079-0:2009 EN60079-1:2007 EN60079-7:2007	PXFC Barrier Gland for Flexible Conduit	II 2GD Ex d IIC Gb / Ex e IIC Gb

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Certificate	Standard Edition	Description	Ex Marking
Baseefa 06 ATEX 0352X	EN60079-0:2004 EN60079-1:2004 EN60079-7:2003/+Amd 1	A Range of Thread Adaptors	II 2GD Ex d IIC Ex e II Ex tD A21 IP6X
SIRA 13 ATEX 1265X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	Type 737,747, 757, 767 and 797 ranges of adaptors, reducers and stopping plugs	II 2G Refer certificate for markings
ITS 13 ATEX 17782X	EN60079-0:2012 EN60079-1:2007 EN60079-7:2007	CT Breather/Drain	II 2 GD/I M2 Ex d I/II MbGb Ex e I/IIC Mb/Gb
SIRA 10 ATEX 3279X	EN60079-0:2009 EN60079-7:2007	Breather Drain Type CV	II 2 GD Ex e IIC Gb
CESI 15 ATEX 029X	EN60079-0:2012/A11:2013 EN60079-1:2007 EN60079-7:2007	Adaptors and plugs series AD.RE..., AD.EN..., AD.FF..., AD.MM..., SP.MD..	II2GD Ex d IIC Gb Ex e IIC Gb Ta -40°C +100°C
Baseefa 06 ATEX 0092	EN60079-0:2004 EN50020:2002 EN60079-26:2004	Type KCD2-SR-Ex*. * Switch Amplifier	II (1) GD [Ex ia] IIC -20°C ≤ Ta ≤ +60°C
PTB 00 ATEX 2081	EN60079-0:2009 EN60079-11:2007	Isolation switching amplifier type K"A"-SR"-Ex".W."	II (1) GD [EEx ia] IIC
CESI 04 ATEX 143	EN60079-0:2006 EN60079-11:2007 EN60079-26:2007	Galvanically isolated barrier Type KFD2-UT2-Ex Universal Temperature Module	II (1) G [Ex ia] IIC
IBExU 10 ATEX 1044	EN60079-0:2006 EN60079-11:2007 EN60079-15:2005	Temperature Transducer Type MACX MCR-EX-T-U(REL)-SP(-UP) and MACX MCR-EX-T-U(REL)-SP(-UP)-C	II (1) G [Ex ia] IIC/IIB/IIA II 3G Ex nAc Ic IIC/IIB/IIA T4X -20°C ≤ Ta ≤ +65°C
IBExU 07 ATEX 1069	EN60079-0:2006 EN60079-11:2007	NAMUR Isolating Amplifier Type MACX-MCR-EX-SL-	II (1) GD [Ex ia] IIC
IBExU 10 ATEX 1005	EN60079-0:2006 EN60079-11:2007 EN60079-15:2005	NAMUR Isolating Amplifier Type MACX-MCR-EX-SL-xNAM-yR-UP(-SP)	II (1) G [Ex ia] IIC II 3 (1) G Ex nAC [ja] IIC T4X -20°C ≤ Ta ≤ +65°C
BVS 10 ATEX E 113X	EN60079-0:2012 EN60079-11:2012 EN60079-15:2010 EN60079-26:2007	DIN Rail isolators type D5****, D5****-xxx	II 3 (1) G Ex nA [ja Ga] IIC T4 Gc II 3 (1) G Ex nA nC [ja Ga] IIC T4 Gc
BVS 12 ATEX E 053X	EN60079-0:2012+A11:2013 EN60079-11:2012 EN60079-15:2010 EN60079-26:2007	DIN Rail isolators type D5072*, D5072*-xxx, D5273S-xxx	II 3 (1) G Ex nA [ja Ga] IIC T4 Gc II 3 (1) G Ex nA nC [ja Ga] IIC T4 Gc
DEMKO 02 ATEX 0132424	EN50014:1997+A1/A2:1999 EN50019:2000	Self Regulating heating cable type BSX with accessories	II 2G/D EEx e II T5 or T6
FM13ATEX0052	EN60079-0:2012 EN60079-30-1:2007	BSX Parallel Circuit Self-Regulating Heating Cable Systems	II 2 G Ex eb IIC T5 or T6, Ta=-60°C to +55°C
PTB 04 ATEX 1028X	EN60079-0:2006 EN60079-1:2004 EN60079-11:2007	Actuator model S, type EX MAX.../...	II 2 G/D EEx d ia IIC T6 or T5 IP66 T80°C or 95°C

- iv. Assessment of the Type ST equipment assemblies for compliance with the requirements of EN 60079-0:2011 and EN 60079-14:2014.
- v. Assessment of the Type ST equipment assemblies for compliance with the requirements of IECEx EXTAG DS 2015/001A.
- vi. Change to the ATEX Category from "II 2(1)G" to "II 2G"

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vii. Change to the certification code from “Ex d e [ia] mb IIB+H2 T*” to “Ex II* T* Gb” in accordance with the re-assessment.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	16 July 2012	R25966A/00	The release of the prime certificate.
1	30 September 2013	R31388A/00	The introduction of Variation 1.
2	04 April 2017	R70089376A	This Issue covers the following changes: <ul style="list-style-type: none"> Type Examination Certificate in accordance with 94/9/EC updated to EU-Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i> The introduction of Variation 2.

15 SPECIFIC CONDITIONS OF USE

15.1 The user/installer shall install, operate and maintain this equipment taking into account any restrictions or Specific Conditions Of Use that are applicable to previously certified devices that are listed in the following table:

Certificate	Specific Conditions Of Use
TPS 13 ATEX 55283 007 X	Use of flammable refrigerants: Only types of refrigerants are permitted with an auto ignition temperature Ts (TS ignition) >250°C.
	There are only lubricants permitted with an auto-ignition temperature Ts (TS ignition) >250°C.
	Maximum operating current according to the specifications on the type plate shall not be exceeded even in the frequency-controlled area.
	The notes in the operating / assembly instructions and the manufacturer's safety concept have to be observed.
	The ignition protection measures described in the manufacturer's operating / assembly instructions must be observed
	Compressors with insulating coating < 2mm may be used only in the gas groups IIB or IIA
TPS 13 ATEX 55283 008 X	Use of flammable refrigerants: Only types of refrigerants are permitted with an auto ignition temperature Ts (TS ignition) >250°C.

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Certificate	Specific Conditions Of Use
	<p>There are only lubricants permitted with an auto-ignition temperature T_s (TS ignition) $>250^{\circ}\text{C}$.</p> <p>Maximum operating current according to the specifications on the type plate shall not be exceeded even in the frequency -controlled area.</p> <p>The notes in the operating / assembly instructions and the manufacturer's safety concept have to be observed.</p> <p>The ignition protection measures described in the manufacturer's operating/assembly instructions must be observed</p> <p>Compressors with insulating coating $< 2\text{mm}$ may be used only in the gas groups IIB or IIA</p>
Sira 08 ATEX 5106X	<p>Type SX024VDC; $U_i = 26.4\text{V d.c}$ Type SX024DC (CS); $U_i = 26.4\text{V d.c}$ Type SX110AC; $U_m = 132\text{V rms}$ Type SX230AC; $U_m = 250\text{V rms}$</p>
Sira 10ATEX1001X	<p>The motor incorporates flameproof joints with dimensions which are other than the relevant minimum width and/or the maximum gap permitted in Table 1 of EN 60079-1. The user shall contact the manufacturer for the appropriate information with respect to the flameproof joints.</p>
CESI 11 ATEX 052X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p>
CESI 12 ATEX 014X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p> <p>For installation in places with presence of Gas Group IIC, when motors are painted with a maximum thickness of paint exceeding 0.2mm, shall be taken into account the risk of electrostatic discharge</p>
CESI 06 ATEX 059X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p> <p>When the supply voltage tolerance is not $\pm 10\%$, then on the nameplate is provided indication of the range of voltage variation "$U_n \pm 5\%$" (within "zone A") of the IEC 60034-1 Standard)</p>
CESI 06 ATEX 060X	<p>The flamepaths are specified in the manufacturing drawings. For information regarding the dimensions of the flameproof joints the manufacturer shall be contacted</p> <p>When the supply voltage tolerance is not $\pm 10\%$, then on the nameplate is provided indication of the range of voltage variation "$U_n \pm 5\%$" (within "zone A") of the IEC 60034-1 Standard)</p> <p>For installation in places with presence of Gas Group IIC, when motors are painted with a maximum thickness of paint exceeding 0.2mm, shall be taken into account the risk of electrostatic discharge.</p>

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Certificate	Specific Conditions Of Use
	For installation of motors without ventilation, when the cooling is provided by a fan directly coupled to the motor (method IC 418), the final user shall ensure the temperature class of motor.
Baseefa 07 ATEX 0295X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 07 ATEX 0296X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0298X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0299X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0300X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
Baseefa 08 ATEX 0301X	The hexagon bolt heads used in the assembly of the motors must be a minimum grade 4.6 steel in accordance with ISO 968-1
TÜV IT 14ATEX 050 X	The dimensions of the joints are different from those indicated in the reference standards. For information about dimensions of the flameproof joints the manufacturer shall be contacted Due to the possible presence of electrostatic charges in IIC enclosures with special paint (thickness exceeding 0,2 mm), clean the motor only with a wet rag or by no-frictional means
TÜV IT 14 ATEX 065 X	The dimensions of the joints are different from those indicated in the reference standards. For information about dimensions of the flameproof joints the manufacturer shall be contacted
Baseefa 14 ATEX 0030X	The equipment may present a potential electrostatic charging hazard; the user instructions shall be followed in order to minimise the risk of electrostatic discharge
PTB 07 ATEX 1036X	Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in Tables 1 and 2 of EN 60079-1
BVS 13 ATEX E 125 X	The lengths of the flameproof joints are in parts longer and the gaps of the flameproof joints are in parts smaller than the values of table 2 of EN 60079-1:2007. For information of the dimensions of the flameproof joints contact the manufacturer. Fasteners with a minimum yield stress of 640N/mm ² must be used for the closing of the flameproof enclosure
BKI 11 ATEX 0019	The enclosure(s) must not open or dismantle while it is energised
IMQ 11 ATEX 031X	For enclosures EJB..A and EJB..S: the length L of flanged joints is greater than dimensions listed in EN 60079-1:2014 standard: 32,20/42,20/52,20 mm versus 25 mm.

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Certificate	Specific Conditions Of Use
	<p>For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows:</p> <ul style="list-style-type: none"> • UPB2 actual 25,5 mm vs 25 mm • UPBL actual 29 mm vs 25 mm • UHLB and UHB: actual 35 mm vs 25 mm • UHS actual 32 mm vs 25 mm • UVD actual 27 mm vs 25 mm • UVB actual 28 mm vs 25 mm <p>Use suitable cables, in relation to class temperature, when under rated conditions the temperature at the entry point can be higher than 70 °C, or the temperature at the branching point of conductors can be higher than 80 °C.</p> <p>Minimum quality fasteners, for EJB enclosures, shall be A2-70 at least.</p>
INERIS 13 ATEX 0022X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p> <p>During the installation, the user will take into consideration that the windows of the enclosure underwent only a shock corresponding to an energy of a low risk of 2J</p>
INERIS 13ATEX 0058X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p> <p>During the installation, the user will take into consideration that pilot light type EFL*PC* underwent only a shock corresponding to an energy of a low risk of 2J</p>
INERIS 14 ATEX 0022X	<p>The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard</p>
PTB 00 ATEX 3116	<p>The maximum number of conductors for each enclosure size, which is subject to the cross section and the permissible continuous current, is shown in the supplements.</p> <p>When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection must be observed.</p> <p>Terminal boxes with a coating of polyester powder finish must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.</p>
PTB 09 ATEX 1108	<p>The maximum number of conductors for the housing size in dependence on the section and the permissible continuous current rating are to be taken from the data sheets.</p> <p>When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.</p>

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Certificate	Specific Conditions Of Use
	The connection and junction box with a coating of polyester powder must not be used in areas affected by charge producing processes, , mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.
PTB 01 ATEX 1016	For the maximum number of conductors, which for each size of enclosure is determined by the cross section and the admissible continuous current, reference is made to the specification sheets
	When using more than one intrinsically safe circuit, the rules and regulations for interconnection shall be duly observed.
	The line-side fuse or protective device shall be selected so as to provide for safe interruption of the max. rated current, the max. rated short-circuit current and the max. rated short-time current (1s).
PTB 99 ATEX 3103	Instruction of the manufacturer "Clean only with wet cloth" is to be followed.
	The suitability for low ambient temperatures is visible by special marking. Only such separately certified sealing gaskets and built-in and built-on components, which are suitable for these temperatures, are used. Additional instructions of the manufacturer are to be followed.
	The maximum number of conductors that can be used for each enclosure size is subject to the cross section and the admissible current rating and is shown in the attached specification sheets.
SIRA 09 ATEX 3083X	WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – The polycarbonate window and nylon window shroud may generate an ignition capable level of electrostatic charge, refer to the instruction on how to install and maintain the equipment safely and prevent static charge build up.
	The EP1511, DP1511, EP2315 and DP2315 models shall only be installed in areas where there is a low risk of mechanical impact.
CESI 15 ATEX 029X	The coupling of the adaptors and plugs with the enclosures shall be made as indicated by the manufacturer in the documents annexed to this certificate in order respect the type of protection of the electrical apparatus on which the adaptors and plugs are mounted.
	The adaptors and plugs shall be mounted at the electrical apparatus in such a way that accidental rotation and loosening will be prevented.
IBExU 10 ATEX 1044	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
	Only appropriate devices from Phoenix Contact may be connected at the configuration interface in Zone 2
IBExU 10 ATEX 1005	Connecting and disconnecting of the connections of not intrinsically safe circuits under voltage is not permitted
PTB 04 ATEX 1028X	For repair of the flameproof joints due regard must be given to the structural specification provided by the manufacturer. Repair on the basis of the values in tables 1 and 2 of EN60079-1 is not accepted.

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16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

17 **CONDITIONS OF MANUFACTURE**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the production control requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 The marking, ambient temperature range, group, category, safety description, relevant electrical safety parameters and warnings will be included in the marking. The most onerous values shall take precedence.
- 17.4 This certificate relies on previously certified products. When they are used as part of this equipment, they shall still be covered by their original certificates.
- 17.5 The manufacturer shall ensure that any blanking elements or cable glands fitted have suitable service temperatures, when considering all equipment fitted and conditions on certificates.
- 17.6 The manufacturer shall take all reasonable steps to ensure that the user/installer complies with the special conditions for certification 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 in the equipment.
- 17.7 The assembly manufacturer shall address the relevant conditions of use in the permitted Ex equipment certificates as specified in schedule document 60107-STD-EL-SC-221 for installation according to Sira 11ATEX1356X.

Certificate Annexe



Certificate Number: Sira 11ATEX1356X
Equipment: Type 'ST' Air Conditioning Units (HVAC)
Type 'ST' Water Chiller Units
Applicant: Stolway Pty. Limited

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
60107-STD-ME-DA-001	1 of 1	02	14 May 12	Typical Stolway Airconditioning Unit General Arrangement
60107-STD-ME-DA-002	1 of 1	02	14 May 12	Typical Stolway Water Chiller General Arrangement
60107-STD-EL-DA-001	1 of 1	0	14 May 12	Stolway HVACR Electrical Installation Std General Notes & Diagrams
60107-STD-DE-DP-200	1 of 1	0	10 Jun 12	HVAC Unit Label ATEX EC Type Examination Certificate Design Part
60107-STD-EL-SC-200	1 to 3	0	10 Jun 12	HVACR Unit Schedule of Pre-Certified Components ATEX EC Type Examination Certificate

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-EL-SC-200	1 of 5	1	29 Aug 13	ATEX EC Type Examination certificate pre-certified component list

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
60107-STD-DE-DP-200	1 of 1	4	08 Mar 17	HVAC unit label, ATEX
60107-STD-EL-DG-700	1 of 1	1	08 Mar 17	Typical earthing single line diagram
60107-STD-EL-SC-220	1 to 4	0	08 Mar 17	ATEX EC Type Examination certificate pre-certified components
60107-STD-EL-SC-221	1 to 11	10	03 Apr 17	ATEX Conditions of Certification Schedule
60107-STD-ME-DA-011	1 of 1	1	08 Mar 17	Air conditioning unit general arrangement
60107-STD-ME-DA-012	1 of 1	1	08 Mar 17	Water chiller general arrangement
Procedure 96	1 to 13	0	08 Mar. 17	HVACR electrical selection design and installation

Note1: The following drawings have been removed from the schedule:

- 60107-STD-ME-DA-001, Typical Stolway Air conditioning Unit General Arrangement
- 60107-STD-ME-DA-002, Typical Stolway Water Chiller General Arrangement
- 60107-STD-EL-DA-001, Stolway HVACR Electrical installation Std General Notes & Diagrams
- 60107-STD-EL-SC-200, ATEX list of permitted Ex certified equipment

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Instructions for Safe Installation, Use & Maintenance

HVACR Assembly

IMPORTANT NOTE TO CUSTOMERS:

THESE INSTRUCTIONS MUST BE ISSUED OR DISTRIBUTED TO EACH INSTALLER OR END USER OF EACH HVACR ASSEMBLY.

1. Definitions

HVACR: Heating, Ventilation, Air Conditioning and/or Refrigeration assembly which includes water chillers.



2. Introduction

These safety instructions refer to installation, operation and maintenance of the Ex-protected HVACR.

The HVACR typically comprises Ex d compressor(s), Ex m solenoid(s), Ex e heater(s) in addition to several pre-certified components such as fan motors, electrical enclosures and intrinsically safe barriers. The HVACRs can be manufactured to many different configurations to suit the required application.

The HVACR can be certified to either IECEx and/or ATEX schemes and carries the following markings;

Manufacturer:	Stolway Pty Limited
Type:	Refer to relevant Operation & Maintenance Manual
Serial No.:	Refer to relevant Operation & Maintenance Manual
Certification code:	Refer to relevant Operation & Maintenance Manual
Ambient temperature rating:	Refer to relevant Operation & Maintenance Manual
Certificate number:	IECEX SIR 11.0155X (IECEX certificate) SIRA 11ATEX1356X (ATEX EC type examination certificate) SIRA 12ATEX4162X (ATEX type examination certificate)
Warning:	For electrical ratings, safety parameters and other warnings refer to individual equipment labels & certificates.

Other (ATEX EC Type only):	 "nnnn"  II 2 G
ATEX & IECEx:	Ex IIB+H2* T* Gb (* Gas Group, Temperature Classification and ambient temperature range are dependent on the equipment fitted.)

Note: "nnnn" refers to notified body providing quality.

Assembly certified to IEC 60079-0, IEC 60079-14, EN 60079-0, EN 60079-14



3. Pre-installation inspection

The following checks shall be conducted prior to installation of equipment:

- Check the equipment for any damage which may have occurred during transit or installation.
- Check the fan assemblies for freedom of obstruction and/or misalignment and each fan assembly should be spun by hand to ensure the fans are rotating freely and not coming into contact with surrounding fan shrouds and/or housings.
- Check all component mounting bolts for tightness (eg: motors, compressors). Re-tension as required.
- Check all cabling and glands for any damage and ensure cables are protected from stress, sharp edges and mechanical damage.
- Check electrical enclosure internals to ensure that all components are firm on their bases and have not been dislodged in transit.
- Check all earthing points for secure attachment.

4. Putting into service

WARNING

THE INSTALLATION OF THE EQUIPMENT MUST BE PERFORMED BY COMPETENT PERSONNEL.

ENSURE POWER IS ISOLATED ELSEWHERE PRIOR TO OPENING ANY ELECTRICAL ENCLOSURES OR MOTORS.

ALL INSTALLATION WORK SHALL BE PERFORMED TO THE APPROPRIATE REGULATORY STANDARDS.

For specific instructions related to HVACR pre-start setup and commissioning, refer to the relevant Operation & Maintenance Manual. Any work carried out on the HVACR in preparation for putting into service shall be carried out by competent personnel.

The following steps should be performed to ensure the equipment is ready to be put into service.

- Ensure the HVACR is installed in a location that it designed for regarding hazardous area classification and certification. Refer to individual HVACR certification marking.
- Ensure a correctly rated power supply is connected to the HVACR. For electrical ratings, refer to the relevant Operation & Maintenance Manual.
- Ensure the HVACR is properly connected to site earthing system. The connection shall be tested in accordance with local regulatory standards (typically IEC/EN 60079-14).
- Check all site installed cabling is properly connected. The connections shall be tested in accordance with local regulatory standards (typically IEC/EN 60079-14).



- Check all Ex d electrical enclosure flamepaths are in good condition
- Check all cable entry devices and blanking elements for completeness and tightness.
- Check all casing and guards on the HVACR are adequately secured, particularly the services access panels.
- Check all electrical enclosure covers have been secured and fastened.

Additional inspections as per IEC/EN 60079.17 shall also be carried out as necessary to ensure installation compliance with hazardous area standards.

5. Periodic Inspection

The periodic inspection of the HVACR assembly shall be carried out only by experienced personnel, whose training has included instruction on the relevant component discipline (eg: refrigeration, mechanical and/or electrical) and hazardous area standards.

The below are the recommended checks that should be carried out at periodic intervals in accordance with site specific requirements.

Check the following:

- Casing and guards are properly secured
- There are no visible unauthorized modifications
- There is no obvious damage to cables.
- Cable entry devices and any blanking elements are complete and tight
- Condition electrical enclosure gaskets is satisfactory
- Electrical connections are tight.
- Earthing connections are secure and in satisfactory condition.

For further information, refer to the relevant Operation & Maintenance Manual.

Additional inspections as per IEC/EN 60079.17 shall also be carried out as necessary to ensure ongoing installation compliance with hazardous area standards.



6. Maintenance

Repair or overhaul of any pre-certified hazardous area components is only permitted by a suitably competent & authorized workshop, which requires approval by the manufacturer of the pre-certified component. If in doubt, contact Stolway Holdings Pty Ltd for guidance.

For specific maintenance instructions related any pre-certified components within the HVACR unit, refer to the pre-certified component ex-certificate and instruction manual.

For general maintenance recommendations, refer to the relevant HVACR Operation & Maintenance Manual.

7. Service and Spare Parts

Please contact Stolway for any spare parts requirements. Contact details are as follows:

Stolway Pty Limited

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91-95 Montague St
Wollongong
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