



4

1 **TYPE EXAMINATION CERTIFICATE**

- 2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 3 Certificate Number: Sira 11ATEX1356X Issue:
- 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:
 - EX 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 orporate 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 cove	Cas group		Amb tomp
Comprossor accombly	Sire 07ATEV1204			T2 or T4	Allip. temp.
					$-20 t_0 + 60 C$
		TIZGCD			$-20 t_0 + 50 C$
		EX U			$-20 t_0 + 50 C$
					-20 t0 +50 C
Heater assembly	SIFA TUATEX3053X	Exe	IIC	13 or 15	-40 to +55°C or -40 to +44°C
Solenoid	Sira 08ATEX5106X	Ex ma or	IIC	Τ4	-40 to +60°C
(Refrigeration)		Ex mb	IIC	Τ4	-40 to +60°C
Motor	Sira 06ATEX3331X	Ex e	11	Т3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or	IIB	T6, T5, T4 or	-20 to +80°C
		EEx de		T3①	
Motor	CESI 02 ATEX 122	EEx d or	IIB	T6, T5, T4 or	-20 to +80°C
		EEx de		T3@	
Motor	CESI 01ATEX103	Ex d	IIC	T6, T5, T4 or	-20 to +60°C
		Ex de		T33	
Motor	CESI 02 ATEX 045X	Ex d	IIC	T6, T5, T4 or	-35 to +40°C
				T3④	-50 to +40°C
Motor	CESI 02 ATEX 123	EEx d or	IIC	T6, T5, T4 or	-20 to +60°C
		EEx de		T3©	
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	11	Т3	Refer to
					certificate
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4 or	Refer to
				Т3	certificate
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4 or	Refer to
				Т3	certificate
Electrical enclosure	KEMA 01 ATEX 2145 X	Ex d	IIB + H2	T6, T5 or T4	Refer to
			IIB		certificate
Junction boxes	Sira 99ATEX3199	Ex e	IIC	T6, T5, T4 or	Refer to
		Ex ia		Т3	certificate
Junction boxes	Sira 99ATEX3200X	Exe	IIC	T6, T5 or T4	Refer to
		Ex ia			certificate
Junction boxes	PTB 00 ATEX 3116	EEx edm [ia]	IIC	T6, T5 or T4	Refer to
		EEx ia/ib	IIA/IIB/IIC		certificate
Junction boxes	LOM 02 ATEX 2022	Exe	11	Т6	-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/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	Exe	11	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.
- 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.
- 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.
- 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			hay 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	Refer to certificate	
				Τ4		
Motor	Sira 10ATEX1001X	Ex d	IIB	T4 or T5	Refer to certificate	
Motor	CESI 11 ATEX 052X	Ex d	IIB	T4, T3	Refer to certificate	
		Ex de	IIB	T4, T3		
Motor	CESI 12 ATEX 014X	Ex d	IIC	T4, T3	Refer to certificate	
		Ex de	IIC	T4, T3		
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	IIB + H2	T6, T5, T4	Refer to certificate	
		Ex db		or T3		
		[ia/ib]				
Electrical enclosure #	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4	Refer to certificate	
		Ex db [ia]		or T3		
		Ex db [ib]				
Electrical enclosure	BKI 11 ATEX 0019	Ex db	IIC	T6T3	Refer to certificate	
		Ex db [ia]				
		Ex db [ib]				
Electrical enclosure	CESI 01 ATEX 027	Ex d	IIB + H2	T6, T5 or	Refer to certificate	
			IIB	Т4		
Electrical enclosure	CESI 01 ATEX 036	Ex d	IIC	T6, T5 or	Refer to certificate	
				T4		

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Item	Certificate No.	Summary of 'ST' Units an	appropriate n	narking that n	nay be applied to the ed certificates
		Concept	Gas group	T class	Amb. temp.
Electrical enclosure	CESI 02 ATEX 073	Ex d [ia]	IIB + H2	T6 or T5	Refer to certificate
			IIB		
Electrical enclosure	IMQ 11 ATEX 031	Ex d	IIB + H2	T6, T5 or	Refer to certificate
		Exde		Т4	
		[iaGa]			
		Exde			
					Defende entifiente
Junction box / Enclosure	SITA 99ATEX3199	Exe	IIC	10, 15, 14	Refer to certificate
lunction box / Enclosuro	Sira 99ATEX3200X	Exe	ШС	T6 T5 or	Refer to certificate
Sunction box / Enclosure		Exia	110	T4	
Junction box / Enclosure •	PTB 00 ATEX 3116	EEx edm	IIC	T6, T5 or	Refer to certificate
		[ia]	IIA/IIB/IIC	T4	
		EEx ia/ib			
Junction box / Enclosure •	PTB 09 ATEX 1108	Ex d e ia/ib	IIA,IIB,IIC	T6, T5 or	Refer to certificate
				T4	
Junction box / Enclosure •	PTB 01 ATEX 1016	EEx edm	IIC/IIB/IIA	T6, T5 or	Refer to certificate
		ia/ib [ia]		T4	
Junction box / Enclosure	PTB 99 ATEX 3103	EEx e		T6/T5	Refer to certificate
		EEx ia/ib	IIA/IIB/IIC	T6/T5	
		EEX em		16/15/14	40.4- 55%C
Junction box / Enclosure		Exe		16	-40 to +55°C
Junction box / Enclosure	LOW UZATEX2024	Exe		16	-40 10 +55 C
lunction box / Enclosure	CESI 03 ATEX 333	EX EU		T6 T5 or	Refer to certificate
Junction Dox / Enclosure	CEST 05 ATEX 355	EEx e [ia]		T0, T3 01	
		EEx ia		17	
Junction box / Enclosure	KEMA 10ATEX0050	Exe	IIC	T6T4	Refer to certificate
		Ex e [ia]			
		Ex ia			
Junction box / Enclosure	INERIS 02 ATEX 0067X	EEx e	11	T5, T4 or	Refer to certificate
		EEx ia	IIB/IIC	Т3	
		EEx e[ia]	IIB/IIC		
Junction box / Enclosure	INERIS 03 ATEX 0027X	EEx e		T5, T4 or	Refer to certificate
		EEx ia	IIB/IIC	Т3	
		EEX e[la]		N1/A	
Plug / Reducer / Accessory •	Baseera UGATEXU352X			N/A	-
Dlug / Doducor / Accossory	Sira 040TEX136511	Exd		N/A	-60 to +160°C
ACCESSORY		Exe			-20 to +80°C
Plug / Reducer / Accessory •	Sira 00ATEX1094X	Exd	IIC	N/A	Refer to certificate
		Exe	П		
Plug / Reducer / Accessorv •	Sira 02ATEX1003X	Ex d	IIC	N/A	Refer to certificate
		Ex e	11		
Plug / Reducer / Accessory	Sira 08ATEX1288U	Ex d	IIC	N/A	Refer to certificate
		Exe			

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Item	Certificate No.	Summary of 'ST' Units an	appropriate n	narking that n	hay be applied to the ed certificates
		Concept	Gas group	T class	Amb. temp.
Plug / Reducer / Accessory	ITS 13ATEX17782U	Ex d	П	N/A	Refer to certificate
		Ex e	IIC		
Plug / Reducer / Accessory	LOM 03ATEX3096U	EEx d	IIB	N/A	Refer to certificate
		EEx d	IIC		
		EEx e	П		
Plug / Reducer / Accessory	LOM 06ATEX3079U	EEx d	IIB	N/A	Refer to certificate
-		EEx d	IIC		
		EEx e	П		

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	Compressor Assembly	II 2 G
	EN60079-1:2007		Ex d IIB+H2 T4 (Ta= -20 to +60°C)
TPS 13 ATEX 55283 007 X	EN1127-1:2011	Compressor of the series EX-HG(X)4;	II 2G IIC T3 Gb
	EN13463-1:2009	EX-HG(X)5; EX-HG(X)6	II 2G IIB T3 Gb
	EN60079-0:2009		
TPS 13 ATEX 55283 008 X	EN1127-1:2011	Compressor of the series EX-	II 2G IIC T3 Gb
	EN13463-1:2009	HG(X)12; EX-HG(X)22; EX-HG(X)34	II 2G IIB T3 Gb
	EN60079-0:2009		
Sira 10 ATEX 3053X	EN60079-0:2009	Heating Element Assembly	II 2 G
	EN60079-7:2007		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	SX024DC, SX024DC (CS), SX110AC,	ll 1 G
	EN60079-18:2004	SX230AC Solenoid Coils	Ex ma IIC T4 IP66 (for type SX024DC & SX024DC
	EN60079-26:2007		(CS)
			$(Ta = -40^{\circ}C \text{ to } +60^{\circ}C)$
			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	Electrovalves - Type :/495900 or	Ex d mb IIC T* Gb
	EN60079-1:2004	/495905	
	EN60079-18:2004		
PTB 03 ATEX 2018X	EN60079-0:2006	Solenoid, type 0515and type 1215	II 2 G
	EN60079-18:2004		EEx m II T6, T5 or T4

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Certificate	Standard Edition	Description	Ex Marking
Sira 10ATEX1001X	EN60079-0:2009	The Range of HPD Flameproof	1 M2 c
	EN60079-1:2007	Induction Motors Frame Size 80 to	II 2 G c 135°C (T4)
		315	ExdIMb
			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)
			ExdIMb
			Ex d IIB T5 Gb
CESI 11 ATEX 052X	EN60079-0:2009	Three Phase asynchronous motor	II 2 G
	EN60079-1:2007	series MAK, MAKe 180-250	Ex d IIB T4, T3 Gb
	EN60079-7:2007		
			II 2 G
			Ex d e IIB T4, T3 Gb
CESI 12 ATEX 014X	EN60079-0:2009	Three Phase asynchronous motor	II 2 G
	EN60079-1:2007	series MAK,MAKe 180-250	Ex d IIC T4, T3 Gb
	EN60079-7:2007		
	EN(0070.0.200/	Thurse Disease and many a shares	
CESI 06 ATEX 059	EIN60079-0:2006	Inree Phase and mono phase	II 2G EX O IIB 14 OF 13
	EIN60079-1:2004	asychronous motor series MAK 50-	
	EN60070 0:2006	Three phase and mone phase	II 2C Ex d IIC T4 or T3
GEST OU ATEX OUU	EN60079-0.2000	asynchronous motors series MAK 56	11 20 EX 0110 14 01 13
	2100077-1.2004	- 132	
Baseefa 07 ATEX 0295X	EN60079-0:2006	A Low Voltage A.C Motor Frame Size	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2004	132	
Baseefa 07 ATEX 0296X	EN60079-0:2006	A Low Voltage A.C Motor Frame Size	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2004	132	
	EN60079-7:2006		
Baseefa 08 ATEX 0298X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 80 and 90	
Baseefa 08 ATEX 0299X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 80 and 90	
	EN60079-7:2007		
Baseefa 08 ATEX 0300X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex d IIB 14 (1amb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 100 and 112	
Baseera US ATEX U3UTX	EIN60079-0:2006	A LOW VOItage A.C Motor Frame	II 2 G EX de IIC 14 (I amb = - 20°C to +50°C)
	EN60079-1.2007	SIZES 100 and 112	
ΤΪΙΛ ΙΤ 1ΛΔΤΕΧ ΟΕΟ Χ	EN60079-7.2007	Three phase and single phase	II 2G Evid IIC TA T3 Gb Tamby 50°C + 40°C
TUVIT TAATEX USU A	EN60079-0.2012 EN60079-1:2007	asynchronous electric motors	If 2G Ex d fill T6. T3 Gb Tamb: -50° C $\div \pm 60^{\circ}$ C
	EN60079-7:2007	ΔTFX Regal series type $\Delta C = 63 =$	(Refer to certificate for different ambient
	L1000///1.200/	AC.,r 315	temperatures)
		Three phase and single phase brake	······································
		motors	
		ATEX Regal series, type DCr63 –	
		DCr315 and	
		type HCr71 – HCr160	

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Certificate	Standard Edition	Description	Ex Marking
TÜV IT 14 ATEX 065 X	EN60079-0:2012	Three phase and single phase	II 2G Ex d IIB T6T3 Gb Tamb: -50°C ÷ +80°C
	EN60079-1:2007	asynchronous electric motors	II 2G Ex d e IIB T6T3 Gb Tamb: -50°C ÷ +80°C
	EN60079-7:2007	ATEX Regal series, type ABr 63 –	(Refer to certificate for different ambient
		ABr 315	temperatures)
		Three phase and single phase brake	
		motors	
		ATEX Regal series, type DBr63 –	
		DBr315 and	
		type HBr71 – HBr160	
Baseefa 14 ATEX 0030X	EN60079-0:2012	Range of SGA induction motor	Ex e IIC T3 Gb Tamb (-20°C to +40°C (Optionally
	EN60079-1:2007	frames 71 to 315 and HGA induction	+50°C)
	EN/ 0070 0.000 /	motor frames 80-280	
PIB 07 ATEX 1036X	EN60079-0:2004	Three-phase motor 4KTC 63	II 2 G EX d IIC 14
	EN60079-1:2004		II 2 G Ex de IIC 14
	EN60079-7:2003		
BA2 13 AIEX E 125 X	EN60079-0:2012		II 2G EX d IIC 1° GD resp. EX de IIC 1° GD
	EN60079-1:2007	4K1	II 2G EX d IIB 1° GD resp. EX de IIB 1° GD
DVI 11 ATEV 0010	EN60079-7.2007	Enclosuro tupo EIC	
DNI TI ATEA UU 19	EN60079-0.2009	Enclosure type EJC	II 20D EX 0D IIC 1013, EX 1D IIIC 1P00 1031130 C
	EN60079-11:2007		II 2(1)GD Ex db [ia] IIC T6, Ex tb [ia] IIC IP66 T85°
CESL01 ΔΤΕΧ 027	EN60079-0:2009	Command Control and Signalling	
GEST OF ATEX 027	EN60079-1:2007	Units series CCE and FIB	
CESL01 ATEX 036	EN60079-0:2009	Command Control and Signalling	II 2 GD FEx d IIC T6 or T5 IP66 T85 or T100°C
OLSI OT MILK 050	EN60079-1:2007	Units series CCA_GUB_CCAI	
CESI 02 ATEX 073	EN60079-0:2009	Command and control units and	II 2(1) G EEx d [ia] IIB T6.T5
	EN60079-1:2007	interface units series CCF. EJB	2(1) G Ex d [ia] B + H2 T6, T5
	EN60079-11:2007		II 2 (1) G Ex d [ia Ga] IIB T6, T5 Gb or
	EN60079-26:2007		II 2(1) G Ex d [ia Ga] IIB + H2 T6, T5 Gb
IMQ 11 ATEX 031X	EN60079-0:2012	EJB ****	
	EN60079-1:2014		II2G Ex db IIB+H2 T4/T5/T6 Gb
	EN60079-11:2012		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	Control/Distribution panels series	II 2 () G Ex d[G] IIB + H2 T6 to T3 Gb
	EN60079-1:2007	BARTEC B/C/D/E and BARTEC	II 2 () G Ex d[G] IIC T6 to T3 Gb
	EN60079-2:2007	B/C/D/E assembly	II 2 () G Ex e[G] IIB/IIC T6 to T3 Gb
	EN60079-5:2007		
	EN60079-7:2007		
	EN60079-11:2007		
	EN60079-18:2009		
INEDIS 12 ATEV 0022V	EN00079-20.2007 EN60070 0.2012/011.2012	Enclosuros typo EIP	
INERIS IS ATEA UUZZA	EN60079-0.2012/A11.2013	Enclosules type EJB	$II 2 GD EX U IID + \Pi_2 I ()GD Ex th IIIC T(**) Dh IP66$
	EN60079-11:2007		$II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB_+H_2 T(**)Gb$
			Ex th [ia Da] IIIC T(**) Dh IP66
			Refer to certificate tables for temperature
			classification and ambient range of specific models
INERIS 13ATEX 0058X	EN60079-0:2012/A11:2013	Enclosures type EJB	IIII 2 GD Ex d IIB+H ₂ T(**)Gb
	EN60079-1:2007		Ex tb IIIC T(**) Db IP66
	EN60079-11:2012		II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H ₂ 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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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 4

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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Certificate	Standard Edition	Description	Ex Marking
SIRA 09 ATEX 3083X	EN60079-0:2006	EP Range of Junction Boxes &	II 2 G
	EN60079-7:2007	Control Stations and	Ex e IIC T, Gb IP65/66
		DP Range of Junction Boxes &	
		Control Stations	
Baseeta 06 ATEX 0056X	EN60079-0:2004	A range of Cable Glands with	II 2GD EX d IIC EX e II
	EN60079-1:2004	Compresion Type Seals	$(-60^{\circ}C \le ta \le +80^{\circ}C [or + 100^{\circ}C See Special Conditions]$
Basoofa 06 ATEX 0057X	EN60079-7.2003	Type 501/453 UNIV Cable Clands	
Daseela UU ATEA UUS7A	EN60079-1:2004	Type 5017455 ONTV Cable Glands	$(-60^{\circ})^{\circ} < ta < +80^{\circ})^{\circ}$
	EN60079-7:2003		
Baseefa 06 ATEX 0058X	EN60079-0:2004	A range of Barrier Type Cable Glands	II 2GD Ex d IIC Ex e II
	EN60079-1:2004		(-60°C ≤ ta ≤ +80°C)
	EN60079-7:2003		
Baseefa 06 ATEX 0256X	EN60079-0:2009	A Type HA* Barrier Gland	
	EN60079-1:2007		II 2GD EX d IIC EX e II
SIDA 13 ATEX 1068Y	EN60079-7:2007	Cable Cland Types A**	11.20
SINA IS ATEX TOODA	EN60079-1:2007	Cable Glarid Types A	Ex e IIC Gb
	EN60079-7:2007		Ex d IIC Gb
			$Ta = -60^{\circ}C \text{ to } +130^{\circ}C (1)$
			-20°C to +200°C 2
			 When fitted with the standard seal
			(2) When fitted with the high temperature seal
SIRA 13 ATEX 1071X	EN60079-0:2012	Cable Gland Types E**	II 2G
	EN60079-1:2007		Ex e IIC Gb
	EIN60079-7.2007		EX U IIC GD Ta = -60° C to $\pm 130^{\circ}$ C (1)
			-20° C to $+200^{\circ}$ C (2)
			(1) When fitted with the standard seal
			(2) When fitted with the high temperature seal
SIRA 13 ATEX 1072X	EN60079-0:2012	Cable Gland Types PX**	II 2G
	EN60079-1:2007		Ex e IIC Gb
	EN60079-7:2007		Ex d IIC Gb
	ENI/0070.0.2012		$1a = -60^{\circ}C$ to $+85^{\circ}C$
SIRA 13 ATEX 1073X	EN60079-0:2012 EN60079-1:2007	TE**	
	EN60079-7:2007		Ex d IIC Gb
			$Ta = -60^{\circ}C \text{ to } +130^{\circ}C \text{ (1)}$
			-20°C to +200°C (2)
			 When fitted with the standard seal
			② When fitted with the high temperature seal
Sira 10ATEX1172X	EN60079-0:2009	PXFC Barrier Gland for Flexible	II 2GD
	EN60079-1:2007	Conduit	Ex d IIC Gb / Ex e IIC Gb
Decosto 04 ATEV 0252V	EIN60079-7:2007	A Dongo of Throad Adapters	
Daseera uo ATEX U352X	EN00079-0:2004	A Range of Thread Adaptors	II ZGU EX U IIU EX E II EX LU AZ I IP6X
	EN60079-1.2004 EN60079-7.2003/+ Δ md 1		
SIRA 13 ATEX 1265X	EN60079-0:2012	Type 737.747.757.767 and 797	II 2G Refer certificate for markings
	EN60079-1:2007	ranges of adaptors, reducers and	
	EN60079-7:2007	stopping plugs	
ITS 13 ATEX 17782X	EN60079-0:2012	CT Breather/Drain	II 2 GD/I M2
	EN60079-1:2007		Ex d I/II MbGb
	EN60079-7:2007		Ex e I/IIC Mb/Gb
SIRA 10 ATEX 3279X	EN60079-0:2009	Breather Drain Type CV	II 2 GD
	EN60079-7:2007		EX e IIC Gb

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Certificate	Standard Edition	Description	Ex Marking
CESI 15 ATEX 029X	EN60079-0:2012/A11:2013	Adaptors and plugs series AD.RE,	II2GD
	EN60079-1:2007	AD.EN, AD.FF, AD.MM, SP.MD	Ex d IIC Gb
	EN60079-7:2007		Ex e IIC Gb
			Ta -40°C +100°C
Baseefa 06 ATEX 0092	EN60079-0:2004	Type KCD2-SR-Ex*.* Switch	II (1) GD [Ex ia] IIC -20°C ≤ Ta ≤ +60°C
	EN50020:2002	Amplifier	
	EN60079-26:2004	'	
PTB 00 ATEX 2081	EN60079-0:2009	Isolation switching amplifier type	II (1) GD [EEx ia] IIC
	EN60079-11-2007	K''A''-SR''-Fx'' W ''	(.) == [==]
CESI 04 ATEX 143	EN60079-0:2006	Galvanically isolated barrier Type	II (1) G [Ex ia] IIC
SEST OF MEXATIO	EN60079-11:2007	KED2-LIT2-Ex Universal Temperature	
	EN60079-26:2007	Module	
IREVI 10 ATEX 10//	EN60079-0:2006	Temperature Transducer Type	II (1) G [Ev ia] IIC/IIB/IIA
IDEXO TO ATEX TOTT	EN60079 11:2007	MACY MCD EX T LI(DEL) SD(LID) and	
	EN60079-11.2007		
IREVILO7 ATEX 1060	EN60079-13.2003	NAMUR Isolating Amplifior Type	
IBEXU UT ATEX 1009	EN60079-0.2000		
	EN00079-11.2007	NAVAUD locating Amplifier Type	
IBEXU TU ATEX TUUS	EN00079-0:2000		
	EN60079-11:2007	IVIAUX-IVIUR-EX-SL-XIVAIVI-YR-UP(-SP)	
	EN60079-15:2005		-20°C ≤ 1a ≤ +65°C
BVS 10 ATEX E 113X	EN60079-0:2012	DIN Rail isolators type D5****,	
	EN60079-11:2012	D5****-xxx	II 3 (1) G Ex nA nC [Ia Ga] IIC 14 GC
	EN60079-15:2010		
	EN60079-26:2007		
BVS 12 ATEX E 053X	EN60079-0:2012+A11:2013	DIN Rail isolators type D5072*,	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc
	EN60079-11:2012	D5072*-xxx, D5273S-xxx	II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
	EN60079-15:2010		
	EN60079-26:2007		
DEMKO 02 ATEX 0132424	EN50014:1997+A1/A2:1999	Self Regulating heating cable type	II 2G/D EEx e II T5 or T6
	EN50019:2000	BSX with accessories	
FM13ATEX0052	EN60079-0:2012	BSX Parallel Circuit Self-Regulating	II 2 G Ex eb IIC T5 or T6, Ta=-60°C to +55°C
	EN60079-30-1:2007	Heating Cable Systems	
PTB 04 ATEX 1028X	EN60079-0:2006	Actuator model S, type EX MAX/	II 2 G/D EEx d ia IIC T6 or T5 IP66 T80°C or 95°C
	EN60079-1:2004		
	EN60079-11:2007		
FM13ATEX0052 PTB 04 ATEX 1028X	EN60079-0:2012 EN60079-30-1:2007 EN60079-0:2006 EN60079-1:2004 EN60079-1:2007	BSX Virtil accessories BSX Parallel Circuit Self-Regulating Heating Cable Systems Actuator model S, type EX MAX/	II 2 G Ex eb IIC T5 or T6, Ta=-60°C to +55°C 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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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 4

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:
			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 is (is 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.						
	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.						

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 4

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
Sira 104TEV1001V	Type SX23UAC; UM = 250V TMS
SITA TUATEXTUUTX	the relevant minimum width and/or the maximum gap permitted in Table 1 of
	EN 60070 1. The user shall contact the manufacturer for the appropriate
	information with respect to the flamenroof 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 $\pm/-10\%$, then on the hameplate is
	Δ ") of the IEC 60034-1 Standard)
CESLO6 ATEX 060X	The flamenaths 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
Becoefe 07 ATEX 020EX	The temperature class of motor.
Daseela UT ATEX 0295X	minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 07 ATEX 0296X	The hexagon holt heads used in the assembly of the motors must be a
	minimum grade 4.8 steel in accordance with ISO 968-1
Baseefa 08 ATFX 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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TYPE EXAMINATION CERTIFICATE

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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 TT 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:
	• UPB2 actual 20,5 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
	• UVD deludi 20 mm vs 25 mm
	conditions the temperature at the entry point can be higher than 70 °C, or the
	tomorature at the branching point of conductors can be higher than 20 °C
	Minimum quality factorors, for EIR onelecures, shall be A2,70 at least
	The width of flamonroof joints is superior to these specified in Tables of
INERIS IS ALEA UUZZA	The width of hameptool joints is superior to those specified in Tables of JEC60070, 1 Standard
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Certificate	Specific Conditions Of Use
	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
	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
INERIS 13ATEX 0058X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard
	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
INERIS 14 ATEX 0022X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard
PTB 00 ATEX 3116	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.
	When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection must be observed.
	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.
PTB 09 ATEX 1108	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.
	When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.
	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.

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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	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.							

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 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 Electrial 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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3

1 **TYPE EXAMINATION CERTIFICATE**

- 2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 3 Certificate Number: Sira 11ATEX1356X Issue:
- 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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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 3

13 DESCRIPTION OF EQUIPMENT

The Type 'ST' Air Conditioning Units and Type 'ST' Water Chiller Units orporate 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'					
		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	Exd	IIC	T3	-20 to +50°C		
Compressor assembly	TPS 05ATEX1127X	'II 2 G cb'	IIC	T3	-20 to +50°C		
Heater assembly	Sira 10ATEX3053X	Exe	IIC	T3 or T5	-40 to +55°C or		
					-40 to +44°C		
Solenoid	Sira 08ATEX5106X	Ex ma or	IIC	T4	-40 to +60°C		
(Refrigeration)		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	IIB	T6, T5, T4 or	-20 to +80°C		
		EEx de		T31			
Motor	CESI 02 ATEX 122	EEx d or	IIB	T6, T5, T4 or	-20 to +80°C		
		EEx de		T3@			
Motor	CESI 01ATEX103	Ex d	IIC	T6, T5, T4 or	-20 to +60°C		
		Ex de		T33			
Motor	CESI 02 ATEX 045X	Ex d	IIC	T6, T5, T4 or	-35 to +40°C		
				T3④	-50 to +40°C		
Motor	CESI 02 ATEX 123	EEx d or	IIC	T6, T5, T4 or	-20 to +60°C		
		EEx de		T3©			
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	Т3	Refer to		
					certificate		
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4 or	Refer to		
				T3	certificate		
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4 or	Refer to		
				T3	certificate		
Electrical enclosure	KEMA 01 ATEX 2145 X	Ex d	IIB + H2	T6, T5 or T4	Refer to		
			IIB		certificate		
Junction boxes	Sira 99ATEX3199	Exe	IIC	16, T5, T4 or	Refer to		
		Ex ia			certificate		
Junction boxes	Sira 99ATEX3200X	Exe		16, 15 or 14	Refer to		
		Ex ia			certificate		

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Sira 11ATEX1356X Issue 3

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]	IIC	T6, T5 or T4	Refer to	
		EEx ia/ib	IIA/IIB/IIC		certificate	
Junction boxes	LOM 02 ATEX 2022	Ex e	II	Т6	-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	IIC/IIB/IIA	T6, T5 or T4	Refer to	
		[ia]			certificate	
Cable glands	Baseefa 06ATEX0058X	Ex d	IIC	N/A	-60 to +80°C	
		Ex e	II			
Cable glands	Baseefa 06ATEX0056X	Ex d	IIC	N/A	-60 to +80°C	
		Ex e	II			
Cable glands	Baseefa 06ATEX0256X	Ex d	IIC	N/A	-60 to +80°C	
		Ex e	II			
Cable glands	Baseefa 06ATEX0057X	EEx d	IIC	N/A	-60 to +80°C	
		EEx e	II			
Cable glands	Sira 06ATEX1283X	Ex d	IIC	N/A	-60 to +130°C	
		Ex e	II			
Cable glands	Sira 06ATEX1097X	Ex d	IIC	N/A	Refer to	
		Ex e	II		certificate	
Cable glands	Sira 10ATEX1172X	Ex d	IIC	N/A	-60 to +85°C	
		Ex e	IIC			
Reducers	Baseefa 06ATEX0352X	Ex d	IIC	N/A	-	
		Ex e	II			
Plugs/Reducers	Sira 04ATEX1365U	Ex d	IIC	N/A	-60 to +160°C	
		Ex e	II		-20 to +80°C	
Plugs/Reducers	Sira 00ATEX1094X	Ex d	IIC	N/A	Refer to	
		Ex e	II		certificate	
Plugs/Reducers	Sira 02ATEX1003X	Ex d	IIC	N/A	Refer to	
		Ex e	II		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	DEMKO 02 ATEX	Exe	II	T5 or T6	-51 to +40°C	
cable	0132424					

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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.
- 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.
- S 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	Summary of appropriate marking that may be applied to the			
		Concept	Gas group	T class	Amb. temp.	
Solenoid	PTB 03 ATEX 2018X	Ex mb	IIC	T6, T5 or	Refer to certificate	
				T4		
Motor	Sira 10ATEX1001X	Ex d	IIB	T4 or T5	Refer to certificate	
Motor	CESI 11 ATEX 052X	Ex d	IIB	T4, T3	Refer to certificate	
		Ex de	IIB	T4, T3		
Motor	CESI 12 ATEX 014X	Ex d	IIC	T4, T3	Refer to certificate	
		Ex de	IIC	T4, T3		
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	
				T 4 T 2	Refer to certificate	
Motor	Baseefa 08ATEX0300X	Ex d	IIB	14 or 13	-20 to +50°C	
					Refer to certificate	
Motor	Baseefa 08ATEX0301X	Ex de	IIC	14 or 13	-20 to +50°C	
					Refer to certificate	
Electrical enclosure #	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4	Refer to certificate	
		EX db		or 13		
					Defende entificate	
Electrical enclosure #	BKI 08 ATEX 019	EX C	11B + H2	16, 15, 14	Refer to certificate	
				or 13		
Electrical enclosure	BEL 11 ATEX 0010		IIC	та та	Dofor to cortificato	
	DRI 11 ATEX 0019	EX UD Ex db [ia]	IIC	1015	Refer to certificate	
Electrical enclosure	CESI 01 ATEX 027		IIB ± H2	T6 T5 or	Refer to certificate	
			IIB	T4		

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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			hay be applied to the ed 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	Т6	-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	T6T4	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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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 3

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	IIC	N/A	Refer to certificate
		Ex e			
Plug / Reducer / Accessory	ITS 13ATEX17782U	Ex d	II	N/A	Refer to certificate
		Ex e	IIC		
Plug / Reducer / Accessory	LOM 03ATEX3096U	EEx d	IIB	N/A	Refer to certificate
		EEx d	IIC		
		EEx e	II		
Plug / Reducer / Accessory	LOM 06ATEX3079U	EEx d	IIB	N/A	Refer to certificate
		EEx d	IIC		
		EEx e	II		

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

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Sira 11ATEX1356X Issue 3

Certificate	Standard Edition	Description	Ex Marking
Sira 10ATEX1001X	EN60079-0:2009	The Range of HPD Flameproof	I M2 c
	EN60079-1:2007	Induction Motors Frame Size 80 to	II 2 G c 135°C (T4)
		315	Ex d I Mb
			Ex d IIB T4 Gb
			(Motor de-rated to 75% rating see ontion 22 in
			the description)
			I M2 c
			$\parallel 2 \text{ G} \subset 100^{\circ} \text{C} (\text{T5})$
			ExdIMb
			Ex d IIB T5 Gb
CESI 11 ATEX 052X	EN60079-0:2009	Three Phase asynchronous motor	II 2 G
	EN60079-1:2007	series MAK, MAKe 180-250	Ex d IIB T4, T3 Gb
	EN60079-7:2007		
			II 2 G
			Ex d e IIB T4, T3 Gb
CESI 12 ATEX 014X	EN60079-0:2009	Three Phase asynchronous motor	II 2 G
	EN60079-1:2007	series MAK,MAKe 180-250	Ex d IIC T4, T3 Gb
	EN60079-7:2007		
			II 2 G
			Ex d e IIC T4, T3 Gb
CESI 06 ATEX 059	EN60079-0:2006	Three Phase and mono phase	II 2G Ex d IIB T4 or T3
	EN60079-1:2004	asychronous motor series MAK 56-	
	EN(0070.0.2000		
CESI 06 ATEX 060	EN60079-0:2006	Inree phase and mono-phase	II 2G EX d IIC 14 OF 13
	EN60079-1:2004	- 132	
Baseefa 07 ATEX 0295X	EN60079-0:2006	A Low Voltage A.C Motor Frame Size	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2004	132	
Baseefa 07 ATEX 0296X	EN60079-0:2006	A Low Voltage A.C Motor Frame Size	II 2 G Ex de IIC T4 (Tamb = -20° C to $+50^{\circ}$ C)
	EN60079-1:2004	132	
	EN60079-7:2006		
Baseefa 08 ATEX 0298X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 80 and 90	
Baseeta US ATEX 0299X	EN60079-0:2006	A Low Voltage A.C Motor Frame	If 2 G Ex de IIC 14 (Tamb = -20° C to $+50^{\circ}$ C)
	EN60079-1:2007	Sizes 80 and 90	
	EN60079-7:2007		2 C = 10 + 10 = 10 + 10 + 10 = 10 + 10 + 10
Baseera US ATEX USUUX	EN60079-0:2006	A LOW VOILage A.C Motor Frame	112 G EX 0 11B 14 (1amb = -20 C to +50 C)
Pacoofa 09 ATEX 0201V	EN60079-1.2007	A Low Voltage A C Motor Frame	$\parallel 2 \in E_{x} d_{0} \parallel C T_{4} (T_{2}mb - 20^{\circ}C t_{0} + 50^{\circ}C)$
Daseela US ATLA USUIA	EN60079-1:2007	Sizes 100 and 112	1 2 G EX de lie 14 (Tallib – - 20 C to +30 C)
	EN60079-7:2007	51205 100 010 112	
TÜV IT 14ATEX 050 X	EN60079-0:2012	Three phase and single phase	II 2G Ex d IIC T6T3 Gb Tamb: -50°C ÷ +60°C
	EN60079-1:2007	asynchronous electric motors	II 2G Ex d e IIC T6T3 Gb Tamb: -50°C ÷ +60°C
	EN60079-7:2007	ATEX Regal series, type ACr 63 –	(Refer to certificate for different ambient
		ACr 315	temperatures)
		Three phase and single phase brake	
		motors	
		ATEX Regal series, type DCr63 –	
		DCr315 and	
1		type HCr71 – HCr160	

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 3

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 ABr 63 – ABr 315 Three phase and single phase brake motors ATEX Regal series, type DBr63 – DBr315 and	II 2G Ex d IIB T6T3 Gb Tamb: -50°C ÷ +80°C II 2G Ex d e IIB T6T3 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 T6T3, 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+H ₂ T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H ₂ 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+H ₂ T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H ₂ 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	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
	EN60079-1:2007		Ex d (**) IIA or IIB or IIB+H ₂ Gb
	EN60079-7:2007		Ex tb (***) IIIC Db IP(****)
	EN60079-11:2012		Refer to certificate for marking details for specific
			models
Sira 99 ATEX 3199	EN60079-0:2009	XL/FXL/AL/SL/RX range of terminal	II 1 G
	EN60079-7:2007	and control boxes	Ex ia IIC T* Ga
	EN60079-11:2007		(Ta = -*°C to *°C)
			II 2 GD
			Ex e IIC T* Gb
			(Ta = -*°C to *°C)
Sira 99 ATEX 3200X	EN60079-0:2006	The GL range of terminal enclosures	II 2 GD
	EN60079-7:2007		Ex ia IIC T* Ga (Ta – **°C to + **°C) or
			Ex tb IIIC T# °C Db (Ta – **°C to + **°C)
			IP6X
			11.3 GD
			11 2 GD
			$E_X \neq H_C T^{+0}C D_D (T_2 + **^0 C + 0 + **^0 C)$
			IFOX
			II 2 GD
			Fx e II T*
			Ex th IIIC Dh 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	Terminal Box Type 8125/1, 8125/2	II 2 G EEx edm [ia] IIC T4/5/6 or
	EN60079-1:2007		II 2 G EEx ia/ib IIA/IIB/IIC T6 Refer comments
	EN60079-7:2007		
	EN60079-11:2007		
	EN60079-18:2009		
PTB 09 ATEX 1108	EN60079-0:2009	Connection and Junction Box Type	II 2 G Ex db eb ia/ib mb IIA,IIB,IIC T6, T5, T4 or
	EN60079-1:2007	8150/1, 8150/2	Ex d e ia/ib mb IIA, IIB, IIIC, T6, T5, T4 Gb
	EN60079-7:2007		II 2 D Ex tb IIIC IP66 T80°C, T95°C, T130°C or
	EN60079-11:2007		Ex t IIIC IP66 T80°C, T95°C, T130°C Db
	EN60079-18:2004		Refer to certificate tables for temperature
			classification and ambient range of specific models
PTB 01 ATEX 1016	EN60079-0:2006	Terminal Box Type 8146/1, 8146/2	II 2 G EEx edm ia/ib [ia] IIC/IIB/IIA T6, T5 or T4
	EN60079-1:2004		
	EN60079-7:2003		
	EN60079-11:2007		
	EN60079-18:2004		
PTB 99 ATEX 3103	EN60079-0:2004	Junction and Terminal Boxes Type	II 2 G EEx e II T6/T5 or
	EN60079-7:2003	8118	II 2 G EEx ia/ib IIA/IIB/IIC T6/T5
	EN60079-11:2007		II 2 G EEx em II T6/T5/T4 or
	EN60079-18:2004		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	Terminal Boxes series S.A	II 2 GD Ex e II T6, T5, T4
	EN60079-7:2003		Ex tD A21 IP66 T85°C, T100°C, T135°C
	EN60079-11:2007		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	EP Range of Junction Boxes &	II 2 G
	EN60079-7:2007	Control Stations and	Ex e IIC T, Gb IP65/66
		DP Range of Junction Boxes &	
		Control Stations	
Baseefa 06 ATEX 0056X	EN60079-0:2004	A range of Cable Glands with	II 2GD Ex d IIC Ex e II
	EN60079-1:2004	Compresion Type Seals	$(-60^{\circ}C \le ta \le +80^{\circ}C [or +100^{\circ}C See Special$
	EN60079-7:2003		Conditions]
Baseeta 06 ATEX 0057X	EN60079-0:2004	Type 501/453 UNIV Cable Glands	ll 2GD Ex d IIC Ex e ll
	EN60079-1:2004		(-60°C ≤ ta ≤ +80°C)
	EN60079-7:2003		
Baseefa 06 ATEX 0058X	EN60079-0:2004	A range of Barrier Type Cable Glands	II 2GD EX d IIC EX e II
	EN60079-1:2004		(-60°C ≤ ta ≤ +80°C)
	EN60079-7:2003	A Tupo IIA* Domion Cland	
Baseeta U6 ATEX 0256X	EN60079-0:2009	A Type HA ^{**} Barrier Gland	
	EN60079-1.2007		
CIDA 12 ATEX 1069V	EN60079-7.2007	Cable Cland Types A**	11.2C
SIRA 15 ATEX 1000X	EN60079-0.2012	Cable Gland Types A	
	EN60079-7:2007		Ex elic Gb
	21000757.2007		$T_a = -60^{\circ}C \text{ to } +130^{\circ}C \text{ (1)}$
			-20° C to $+200^{\circ}$ C. (2)
			① When fitted with the standard seal
			(2) When fitted with the high temperature seal
SIRA 13 ATEX 1071X	EN60079-0:2012	Cable Gland Types E**	II 2G
	EN60079-1:2007		Ex e IIC Gb
	EN60079-7:2007		Ex d IIC Gb
			Ta = -60°C to +130°C (1)
			-20°C to +200°C , ②
			 When fitted with the standard seal
			, ② When fitted with the high temperature seal
SIRA 13 ATEX 1072X	EN60079-0:2012	Cable Gland Types PX**	II 2G
	EN60079-1:2007		Ex e IIC Gb
	EN60079-7:2007		Ex d IIC Gb
			Ta = -60°C to +85°C
SIRA 13 ATEX 1073X	EN60079-0:2012	Cable Gland Types Triton T3** and	II 2G
	EN60079-1:2007	TE**	Ex e IIC Gb
	EN60079-7:2007		Ex d IIC Gb
			$Ta = -60^{\circ}C \text{ to } +130^{\circ}C (1)$
			-20°C to +200°C , (2)
			(1) when fitted with the birb terreseture and
	ENC0070 0.2020	DVEC Derview Clench for Elevited	, c when titted with the high temperature seal
SITA TUATEX11/2X	EN60079-0:2009	PARC Barrier Gland for Flexible	
	EN60070 7:2007	Conduit	
Pacoofa 06 ATEV 0252V	ENG0079-7.2007	A Pango of Throad Adaptors	
Daseela UU ATEA USSZA	EN60079-1.2004	A nange of filleau Auaptors	
	EN60079-7:2003/+Amd 1		
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Certificate	Standard Edition	Description	Ex Marking
SIRA 13 ATEX 1265X	EN60079-0:2012	Type 737,747, 757, 767 and 797	II 2G Refer certificate for markings
	EN60079-1:2007	ranges of adaptors, reducers and	
	EN60079-7:2007	stopping plugs	
ITS 13 ATEX 17782X	EN60079-0:2012	CT Breather/Drain	II 2 GD/I M2
	EN60079-1:2007		Ex d I/II MbGb
	EN60079-7:2007		Ex e I/IIC Mb/Gb
SIRA 10 ATEX 3279X	EN60079-0:2009	Breather Drain Type CV	II 2 GD
	EN60079-7:2007		Ex e IIC Gb
CESI 15 ATEX 029X	EN60079-0:2012/A11:2013	Adaptors and plugs series AD.RE,	II2GD
	EN60079-1:2007	AD.EN, AD.FF, AD.MM, SP.MD	Ex d IIC Gb
	EN60079-7:2007		Ex e IIC Gb
			Ta -40°C +100°C
Baseefa 06 ATEX 0092	EN60079-0:2004	Type KCD2-SR-Ex*.* Switch	II (1) GD [Ex ia] IIC -20°C ≤ Ta ≤ +60°C
	EN50020:2002	Amplifier	
	EN60079-26:2004		
PTB 00 ATEX 2081	EN60079-0:2009	Isolation switching amplifier type	II (1) GD [EEx ia] IIC
	EN60079-11:2007	K"A"-SR"-Ex".W."	
CESI 04 ATEX 143	EN60079-0:2006	Galvanically isolated barrier Type	II (1) G [Ex ia] IIC
	EN60079-11:2007	KFD2-UT2-Ex Universal Temperature	
	EN60079-26:2007	Module	
IBExU 10 ATEX 1044	EN60079-0:2006	Temperature Transducer Type	II (1) G [Ex ia] IIC/IIB/IIA
	EN60079-11:2007	MACX MCR-EX-T-U(REL)-SP(-UP) and	II 3G Ex naC ic IIC/IIB/IIA T4X
	EN60079-15:2005	MACX MCR-EX-T-U(REL)-SP(-UP)-C	-20°C ≤ Ta ≤ +65°C
IBExU 07 ATEX 1069	EN60079-0:2006	NAMUR Isolating Amplifier Type	II (1) GD [Ex ia] IIC
	EN60079-11:2007	MACX-MCR-EX-SL-	
IBExU 10 ATEX 1005	EN60079-0:2006	NAMUR Isolating Amplifier Type	II (1) G [Ex ia] IIC
	EN60079-11:2007	MACX-MCR-EX-SL-xNAM-yR-UP(-SP)	II 3 (1) G Ex nAC [ia] IIC T4X
	EN60079-15:2005		-20°C ≤ Ta ≤ +65°C
BVS 10 ATEX E 113X	EN60079-0:2012	DIN Rail isolators type D5****,	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc
	EN60079-11:2012	D5****-xxx	II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
	EN60079-15:2010		
	EN60079-26:2007		
BVS 12 ATEX E 053X	EN60079-0:2012+A11:2013	DIN Rail isolators type D5072*,	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc
	EN60079-11:2012	D5072*-xxx, D5273S-xxx	II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
	EN60079-15:2010		
	EN60079-26:2007		
DEMKO 02 ATEX 0132424	EN50014:1997+A1/A2:1999	Self Regulating heating cable type	II 2G/D EEx e II T5 or T6
	EN50019:2000	BSX with accessories	
FM13ATEX0052	EN60079-0:2012	BSX Parallel Circuit Self-Regulating	II 2 G Ex eb IIC T5 or T6, Ta=-60°C to +55°C
	EN60079-30-1:2007	Heating Cable Systems	
PTB 04 ATEX 1028X	EN60079-0:2006	Actuator model S, type EX MAX/	II 2 G/D EEx d ia IIC T6 or T5 IP66 T80°C or 95°C
	EN60079-1:2004		
	EN60079-11:2007		

- 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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	6812 AR, Arnhem,





TYPE EXAMINATION CERTIFICATE

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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:		
			 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. (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	31st October 2019	0963	• 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 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

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 3

Certificate	Specific Conditions Of Use			
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.			
	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			
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 orporates 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)			

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TYPE EXAMINATION CERTIFICATE

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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 EJBA and EJBS: 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					
	For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows: • 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 th 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					
	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					
	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					
INERIS 13ATEX 0058X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard					
	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					
INERIS 14 ATEX 0022X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard					
PTB 00 ATEX 3116	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.					
	When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection must be observed.					
	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.					
PTB 09 ATEX 1108	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.					
	When more than one intrinsically safe circuit is used, the rules for interconnection are to be observed.					

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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.

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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 Electrial 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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TYPE EXAMINATION CERTIFICATE 1

- 2 Equipment intended for use in Potentially Explosive Atmospheres 2014/34/EU
- 3 Certificate Number: Sira 11ATEX1356X
- 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.

Issue:

2

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.
- The marking of the equipment shall include the following: 12

(£x)

II 2 G Ex II* T* Gb (Ta = $-*^{\circ}C$ to $+*^{\circ}C$)

Notes:

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

Project Number 70089376

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· Jones

N Jones Certification Manager

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 2

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 app	ropriate marki	ng 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	Т3	-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	Sira 08ATEX5106X	Ex ma or	IIC	Τ4	-40 to +60°C
(Refrigeration)		Ex mb	IIC	T4	-40 to +60°C
Motor	Sira 06ATEX3331X	Exe	11	Т3	-20 to +50°C
Motor	CESI 01 ATEX 102	EEx d or	IIB	T6, T5, T4 or	-20 to +80°C
		EEx de		T3①	
Motor	CESI 02 ATEX 122	EEx d or	IIB	T6, T5, T4 or	-20 to +80°C
		EEx de		T3@	
Motor	CESI 01ATEX103	Ex d	IIC	T6, T5, T4 or	-20 to +60°C
		Ex de		T33	
Motor	CESI 02 ATEX 045X	Ex d	IIC	T6, T5, T4 or	-35 to +40°C
				T3④	-50 to +40°C
Motor	CESI 02 ATEX 123	EEx d or	IIC	T6, T5, T4 or	-20 to +60°C
		EEx de		T35	
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	11	Т3	Refer to
					certificate
Electrical enclosure	BKI 06ATEX050	Ex d	IIB + H2	T6, T5, T4 or	Refer to
				T3	certificate
Electrical enclosure	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4 or	Refer to
				T3	certificate
Electrical enclosure	KEMA 01 ATEX 2145 X	Ex d	IIB + H2	T6, T5 or T4	Refer to
			IIB		certificate
Junction boxes	Sira 99ATEX3199	Exe	IIC	T6, T5, T4 or	Refer to
		Ex ia		T3	certificate
Junction boxes	Sira 99ATEX3200X	Exe	IIC	T6, T5 or T4	Refer to
		Ex ia			certificate
Junction boxes	PTB 00 ATEX 3116	EEx edm [ia]	IIC	T6, T5 or T4	Refer to
		EEx ia/ib	IIA/IIB/IIC		certificate

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 2

Item	Certificate No.	Summary of appropriate marking that may be applied to the 'ST'			
		Units and is covered by the specified certificates			es
		Concept	Gas group	T class	Amb. temp.
Junction boxes	LOM 02 ATEX 2022	Exe	11	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	IIC/IIB/IIA	T6, T5 or T4	Refer to
		[ia]			certificate
Cable glands	Baseefa 06ATEX0058X	Ex d	IIC	N/A	-60 to +80°C
		Exe	11		
Cable glands	Baseefa 06ATEX0056X	Ex d	IIC	N/A	-60 to +80°C
		Exe	11		
Cable glands	Baseefa 06ATEX0256X	Ex d	IIC	N/A	-60 to +80°C
		Exe	П		
Cable glands	Baseefa 06ATEX0057X	EEx d	IIC	N/A	-60 to +80°C
		EEx e	П		
Cable glands	Sira 06ATEX1283X	Ex d	IIC	N/A	-60 to +130°C
		Exe	11		
Cable glands	Sira 06ATEX1097X	Ex d	IIC	N/A	Refer to
		Exe	11		certificate
Cable glands	Sira 10ATEX1172X	Ex d	IIC	N/A	-60 to +85°C
		Exe	IIC		
Reducers	Baseefa 06ATEX0352X	Ex d	IIC	N/A	-
		Exe	11		
Plugs/Reducers	Sira 04ATEX1365U	Ex d	IIC	N/A	-60 to +160°C
		Exe	11		-20 to +80°C
Plugs/Reducers	Sira 00ATEX1094X	Ex d	IIC	N/A	Refer to
		Exe	11		certificate
Plugs/Reducers	Sira 02ATEX1003X	Ex d	IIC	N/A	Refer to
		Exe	11		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	DEMKO 02 ATEX	Exe	11	T5 or T6	-51 to +40°C
cable	0132424				

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 2

- 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.
- 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.
- 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.
- 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:

tem Certificate No. Summary of appropriate marking			narking that m	ng that may be applied to the	
	'SI' Units and is covered by the specified certifi			ed certificates	
		Concept	Gas group	T class	Amb. temp.
Solenoid	PTB 03 ATEX 2018X	Ex mb	IIC	T6, T5 or	Refer to certificate
				T4	
Motor	Sira 10ATEX1001X	Ex d	IIB	T4 or T5	Refer to certificate
Motor	CESI 11 ATEX 052X	Ex d	IIB	T4, T3	Refer to certificate
		Ex de	IIB	T4, T3	
Motor	CESI 12 ATEX 014X	Ex d	IIC	T4, T3	Refer to certificate
		Ex de	IIC	T4, T3	
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	IIB + H2	T6, T5, T4	Refer to certificate
		Ex db		or T3	
		[ia/ib]			
Electrical enclosure #	BKI 08 ATEX 019	Ex d	IIB + H2	T6, T5, T4	Refer to certificate
		Ex db [ia]		or T3	
		Ex db [ib]			
Electrical enclosure	BKI 11 ATEX 0019	Ex db	IIC	T6T3	Refer to certificate
		Ex db [ia]			
		Ex db [ib]			
Electrical enclosure	CESI 01 ATEX 027	Ex d	IIB + H2	T6, T5 or	Refer to certificate
			IIB	T4	

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Item	Certificate No.	Summary of appropriate marking that may be applied to th			hay be applied to the
			Gas group		Amb temp
Electrical enclosure	CESL01 ATEX 036	Exid		T6 T5 or	Refer to certificate
		EXG	110	T4	
Electrical enclosure	CESI 02 ATEX 073	Ex d [ia]	IIB + H2	T6 or T5	Refer to certificate
			IIB		
Electrical enclosure	IMQ 11 ATEX 031	Ex d	IIB + H2	T6, T5 or	Refer to certificate
		Exde		Т4	
		[iaGa]			
		EX C E			
Junction box / Englosuro	Sira 00ATEV2100			T6 T5 T4	Pofor to cortificato
Junction box / Enclosure	5112 77ATEA5177	Exia	no	or T3	
lunction box / Enclosure	Sira 99ATEX3200X	Exia	ПС	T6, T5 or	Refer to certificate
Sunction box / Enclosure		Ex ia		T4	
Junction box / Enclosure •	PTB 00 ATEX 3116	EEx edm	IIC	T6, T5 or	Refer to certificate
		[ia]	IIA/IIB/IIC	Т4	
		EEx ia/ib			
Junction box / Enclosure •	PTB 09 ATEX 1108	Ex d e ia/ib	IIA,IIB,IIC	T6, T5 or	Refer to certificate
				T4	
Junction box / Enclosure •	PTB 01 ATEX 1016	EEx edm	IIC/IIB/IIA	T6, T5 or	Refer to certificate
hunstien heur / Englesung					Defende eestifieete
Junction box / Enclosure	PIB 99 ATEX 3103	EEX e		16/15 T4/TE	Refer to certificate
		EEX em		T6/T5/T4	
lunction box / Enclosure •	LOM 02 ATEX 2022	Exe		T6	-40 to +55°C
Junction box / Enclosure	1 OM 02ATFX2024	Exe	11	T6	$-40 \text{ to } +55^{\circ}\text{C}$
		Ex ed	IIC		
Junction box / Enclosure	CESI 03 ATEX 333	EEx e	11	T6, T5 or	Refer to certificate
		EEx e [ia]	IIC	Т4	
		EEx ia	IIC		
Junction box / Enclosure	KEMA 10ATEX0050	Exe	IIC	T6T4	Refer to certificate
		Ex e [ia]			
lumetica her / Englesium		EX Ia		TF T4 am	Defende entifierte
Junction box / Enclosure	INERIS UZ ATEX 0067X	EEX e		15, 14 Or T2	Refer to certificate
		EEx e[ia]		15	
Junction box / Enclosure	INERIS 03 ATEX 0027X	FFx e	112,110	T5. T4 or	Refer to certificate
		EEx ia	IIB/IIC	Т3	
		EEx e[ia]	IIB/IIC		
Plug / Reducer / Accessory •	Baseefa 06ATEX0352X	Ex d	IIC	N/A	
		Ex e			-
Plug / Reducer / Accessory •	Sira 04ATEX1365U	Ex d	IIC	N/A	-60 to +160°C
		Exe		N1 / A	-20 to +80°C
Plug / Reducer / Accessory •	SIRA UUATEXTU94X	EXO		N/A	Refer to certificate
	Sira 024TEV1002V	EXE		N/A	Dofor to cortificate
Flug / Reducel / Accessory	JII UZATENTUUJA	Exe			

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 2

Item	Certificate No.	Summary of appropriate marking that may be applied to 'ST' Units and is covered by the specified certificates			hay be applied to the ed certificates
		Concept	Gas group	T class	Amb. temp.
Plug / Reducer / Accessory	Sira 08ATEX1288U	Ex d	IIC	N/A	Refer to certificate
		Exe			
Plug / Reducer / Accessory	ITS 13ATEX17782U	Ex d	П	N/A	Refer to certificate
		Exe	IIC		
Plug / Reducer / Accessory	LOM 03ATEX3096U	EEx d	IIB	N/A	Refer to certificate
		EEx d	IIC		
		EEx e	П		
Plug / Reducer / Accessory	LOM 06ATEX3079U	EEx d	IIB	N/A	Refer to certificate
		EEx d	IIC		
		EEx e	11		

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	Compressor Assembly	II 2 G
	EN60079-1:2007		Ex d IIB+H2 T4 (Ta= -20 to +60°C)
TPS 13 ATEX 55283 007 X	EN1127-1:2011	Compressor of the series EX-HG(X)4;	II 2G IIC T3 Gb
	EN13463-1:2009	EX-HG(X)5; EX-HG(X)6	II 2G IIB T3 Gb
	EN60079-0:2009		
TPS 13 ATEX 55283 008 X	EN1127-1:2011	Compressor of the series EX-	II 2G IIC T3 Gb
	EN13463-1:2009	HG(X)12; EX-HG(X)22; EX-HG(X)34	II 2G IIB T3 Gb
	EN60079-0:2009		
Sira 10 ATEX 3053X	EN60079-0:2009	Heating Element Assembly	II 2 G
	EN60079-7:2007		Ex e IIC T3 Gb (Ta = -40° C to $+55^{\circ}$ C)
			Ex e IIC T5 Gb (Ta = -40°C to +44°C)
Sira 08 ATEX 5106X	EN60079-0:2006	SX024DC, SX024DC (CS), SX110AC,	II 1 G
	EN60079-18:2004	SX230AC Solenoid Coils	Ex ma IIC 14 IP66 (for type SX024DC & SX024DC
	EN60079-26:2007		(CS)
			$(1a = -40^{\circ}C t0 + 60^{\circ}C)$
			11.2 G
			Ex mb IIC T4 IP66 (for type $SX110\Delta C$ and $SX230\Delta$)
			$(Ta = -40^{\circ}C \text{ to } +60^{\circ}C)$
LCIE 03 ATEX 6451X	EN60079-0:2006	Electrovalves - Type :/495900 or	Ex d mb IIC T* Gb
	EN60079-1:2004	/495905	
	EN60079-18:2004		
PTB 03 ATEX 2018X	EN60079-0:2006	Solenoid, type 0515and type 1215	II 2 G
	EN60079-18:2004		EEx m II T6, T5 or T4

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Form	9402	Issue4
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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 2

Certificate	Standard Edition	Description	Ex Marking
Sira 10ATEX1001X	EN60079-0:2009	The Range of HPD Flameproof	1 M2 c
	EN60079-1:2007	Induction Motors Frame Size 80 to	II 2 G c 135°C (T4)
		315	ExdIMb
			Ex d IIB 14 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
	ENI60070 0:2000	Three Phase asynchronous motor	
GEST IT ATEX USZA	EN60079-0.2009	sorios MAK MAKo 180-250	Fx d IIB T4 T3 Gb
	EN60079-7:2007		
			II 2 G
			Ex d e IIB T4, T3 Gb
CESI 12 ATEX 014X	EN60079-0:2009	Three Phase asynchronous motor	II 2 G
	EN60079-1:2007	series MAK, MAKe 180-250	Ex d IIC T4, T3 Gb
	EN60079-7:2007		11.2.0
			II 2 G Exide IIC TAI T3 Gb
CESLOG ATEX 059	EN60079-0:2006	Three Phase and mono phase	II 2G Ex d IIB T4 or T3
oldi oo milk oo /	EN60079-1:2004	asychronous motor series MAK 56-	
		160	
CESI 06 ATEX 060	EN60079-0:2006	Three phase and mono-phase	II 2G Ex d IIC T4 or T3
	EN60079-1:2004	asynchronous motors series MAK 56 - 132	
Baseefa 07 ATEX 0295X	EN60079-0:2006	A Low Voltage A.C Motor Frame Size	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2004	132	
Baseefa 07 ATEX 0296X	EN60079-0:2006	A Low Voltage A.C Motor Frame Size	II 2 G Ex de IIC 14 (1amb = - 20°C to +50°C)
	EN60079-7:2004 EN60079-7:2006	132	
Baseefa 08 ATEX 0298X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex d IIB T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 80 and 90	
Baseefa 08 ATEX 0299X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 80 and 90	
Decoofe 00 ATEX 0200V	EN60079-7:2007	A Low Voltage A C Motor Frame	$\parallel 2.0$ Evid IIP T4 (Tamb $= 20\%$ to $\pm 50\%$)
Daseela UO ATEA USUUA	EN60079-1-2000	Sizes 100 and 112	1120LX U 11014 (10110 = -2000 (0+3000))
Baseefa 08 ATEX 0301X	EN60079-0:2006	A Low Voltage A.C Motor Frame	II 2 G Ex de IIC T4 (Tamb = - 20°C to +50°C)
	EN60079-1:2007	Sizes 100 and 112	· · · · · · · · · · · · · · · · · · ·
	EN60079-7:2007		
TÜV IT 14ATEX 050 X	EN60079-0:2012	Three phase and single phase	II 2G Ex d IIC T6T3 Gb Tamb: -50°C ÷ +60°C
	EN60079-1:2007	asynchronous electric motors	II 2G Ex d e IIC T6T3 Gb Tamb: -50°C ÷ +60°C
	EN600/9-7:2007	ATEX Regal series, type AU. r 63 –	(Refer to certificate for different ambient
		Three phase and single phase brake	temperatures)
		motors	
		ATEX Regal series, type DCr63 –	
		DCr315 and	
		type HCr71 – HCr160	

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Sira 11ATEX1356X Issue 2

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 ABr 63 – AB.r 315 Three phase and single phase brake motors ATEX Regal series, type DBr63 – DBr315 and type HBr71 – HBr160	II 2G Ex d IIB T6T3 Gb Tamb: -50°C ÷ +80°C II 2G Ex d e IIB T6T3 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 T6T3, 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+H ₂ T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H ₂ 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+H ₂ T(**)Gb Ex tb IIIC T(**) Db IP66 II 2(1) GD Ex d [ia IIA or IIB or IIC Ga] IIB+H ₂ 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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Cortificato	Standard Edition	Description	Ex Marking
	ENI60079_0.2012/A11.2012	Enclosures type FIR***/FIRV***	$\parallel 2G \text{ or } \parallel 2D \text{ or } \parallel 2(1)G \text{ or } \parallel 2(1)D \text{ or } \parallel (2)G \text{ or } \parallel (2)D$
INCINIO IN AILA UUZZA	EN60079-1.2012/ATT.2013		Fx d (**) IIA or IIB or IIB \pm H ₂ Gb
	EN60079-7:2007		Ex th (***) IIIC Dh IP(****)
	EN60079-11:2007		Pafer to certificate for marking details for specific
	LIN00077=11.2012		models
Sira 99 ATEX 3199	EN60079-0:2009	XL/FXL/AL/SL/RX range of terminal	1G
	EN60079-7:2007	and control boxes	Ex ia IIC T* Ga
	EN60079-11:2007		$(Ta = -*^{\circ}C to *^{\circ}C)$
			II 2 GD
			Ex e IIC T* Gb
			(Ta = -*°C to *°C)
Sira 99 ATEX 3200X	EN60079-0:2006	The GL range of terminal enclosures	II 2 GD
	EN60079-7:2007	-	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
			11.2.00
			EX LD HIC DD $I \# C (Ia - C C + C)$
			IPOX Defer to cortificate tables for temperature
			classification and ambient range of specific models
PTR 00 ΔΤΕΧ 3116	EN60079-0-2009	Terminal Box Type 8125/1 8125/2	II 2 G EEx edm [ia] IIC T4/5/6 or
T ID GO MIEX STIC	EN60079-1:2007		II 2 G EEx comments
	EN60079-7:2007		
	EN60079-11:2007		
	EN60079-18:2009		
PTB 09 ATEX 1108	EN60079-0:2009	Connection and Junction Box Type	II 2 G Ex db eb ia/ib mb IIA,IIB,IIC T6, T5, T4 or
	EN60079-1:2007	8150/1, 8150/2	Ex d e ia/ib mb IIA, IIB, IIIC, T6, T5, T4 Gb
	EN60079-7:2007		II 2 D Ex tb IIIC IP66 T80°C, T95°C, T130°C or
	EN60079-11:2007		Ex t IIIC IP66 T80°C, T95°C, T130°C Db
	EN60079-18:2004		Refer to certificate tables for temperature
			classification and ambient range of specific models
PTB 01 ATEX 1016	EN60079-0:2006	Terminal Box Type 8146/1, 8146/2	II 2 G EEx edm ia/ib [ia] IIC/IIB/IIA T6, T5 or T4
	EN60079-1:2004		
	EN60079-7:2003		
	EN60079-11:2007		
	EN60079-18:2004		
PTB 99 ATEX 3103	EN60079-0:2004	Junction and Terminal Boxes Type	II 2 G EEx e II T6/T5 or
	EN60079-7:2003	8118	II 2 G EEx ia/ib IIA/IIB/IIC T6/T5
	EN60079-11:2007		II 2 G EEx em II T6/T5/T4 or
	EN60079-18:2004		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 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 Compresion 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	A Range of Thread Adaptors	II 2GD Ex d IIC Ex e II Ex tD A21 IP6X
	EN60079-1:2004		
	EN60079-7:2003/+Amd 1		
SIRA 13 ATEX 1265X	EN60079-0:2012	Type 737,747, 757, 767 and 797	II 2G Refer certificate for markings
	EN60079-1:2007	ranges of adaptors, reducers and	5
	EN60079-7:2007	stopping plugs	
ITS 13 ATEX 17782X	EN60079-0:2012	CT Breather/Drain	II 2 GD/I M2
	EN60079-1:2007		Ex d I/II MbGb
	EN60079-7:2007		Ex e I/IIC Mb/Gb
SIRA 10 ATEX 3279X	EN60079-0:2009	Breather Drain Type CV	II 2 GD
	EN60079-7:2007	51	Ex e IIC Gb
CESI 15 ATEX 029X	EN60079-0:2012/A11:2013	Adaptors and plugs series AD.RE,	ll2GD
	EN60079-1:2007	AD.EN, AD.FF, AD.MM, SP.MD	Ex d IIC Gb
	EN60079-7:2007		Ex e IIC Gb
			Ta -40°C +100°C
Baseefa 06 ATEX 0092	EN60079-0:2004	Type KCD2-SR-Ex*.* Switch	II (1) GD [Ex ia] IIC -20°C ≤ Ta ≤ +60°C
	EN50020:2002	Amplifier	
	EN60079-26:2004		
PTB 00 ATEX 2081	EN60079-0:2009	Isolation switching amplifier type	II (1) GD [EEx ia] IIC
	EN60079-11:2007	K''A''-SR''-Ex''.W.''	
CESI 04 ATEX 143	EN60079-0:2006	Galvanically isolated barrier Type	II (1) G [Ex ia] IIC
	EN60079-11:2007	KFD2-UT2-Ex Universal Temperature	
	EN60079-26:2007	Module	
IBExU 10 ATEX 1044	EN60079-0:2006	Temperature Transducer Type	II (1) G [Ex ia] IIC/IIB/IIA
	EN60079-11:2007	MACX MCR-EX-T-U(REL)-SP(-UP) and	II 3G Ex naC ic IIC/IIB/IIA T4X
	EN60079-15:2005	MACX MCR-EX-T-U(REL)-SP(-UP)-C	-20°C ≤ Ta ≤ +65°C
IBExU 07 ATEX 1069	EN60079-0:2006	NAMUR Isolating Amplifier Type	II (1) GD [Ex ia] IIC
	EN60079-11:2007	MACX-MCR-EX-SL-	
IBExU 10 ATEX 1005	EN60079-0:2006	NAMUR Isolating Amplifier Type	II (1) G [Ex ia] IIC
	EN60079-11:2007	MACX-MCR-EX-SL-xNAM-yR-UP(-SP)	II 3 (1) G Ex nAC [ia] IIC T4X
	EN60079-15:2005		$-20^{\circ}C \le Ta \le +65^{\circ}C$
BVS 10 ATEX E 113X	EN60079-0:2012	DIN Rail isolators type D5****,	II 3 (1) G Ex nA [ia Ga] IIC T4 Gc
	EN60079-11:2012	D5****-xxx	II 3 (1) G Ex nA nC [ia Ga] IIC T4 Gc
	EN60079-15:2010		
	EN60079-26:2007		
BVS 12 ATEX E 053X	EN60079-0:2012+A11:2013	DIN Rail isolators type D5072*,	II 3 (1) G Ex nA [ia Ga] IIC 14 Gc
	EN60079-11:2012	D5072^-XXX, D52735-XXX	II 3 (1) G EX NA NC [IA GA] IIC 14 GC
	EN60079-15:2010		
	EN60079-26:2007		
DEIVIKO UZ ATEX UT32424	EN50014:1997+A17A2:1999	Self Regulating neating cable type	II 2G/D EEX e II 15 OF 16
	EN50019:2000	BSX WITH accessories	
FIVIT3ATEX0052	EN60079-0:2012	BSX Parallel Circuit Self-Regulating	II 2 G EX ED IIC 15 OF 16, 18=-60 C TO +55 C
	ENOUU/9-30-1:2007		
PTB 04 ATEX 1028X	EN60079-0:2006	Actuator model S, type EX IVIAX/	II 2 G/D EEX 0 18 IIC 16 OF 15 1P66 180°C OF 95°C
	EN00079-1.2004		
	EN60079-1:2004 EN60079-11:2007		

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:
			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.

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
	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
Sira 08 ATEX 5106X	Type SX024VDC; Ui = $26.4V \text{ d.c}$
	Type SX024DC (CS); Ui = $26.4V d.c$
	Type SX110AC; Um = 132V rms
	Type SX230AC; Um = 250V rms
SIRA TUATEXTUUTX	The motor incorporates flameproof joints with dimensions which are other than
	EN 60070 1. The user shall contact the manufacturer for the appropriate
	information with respect to the flamenroof joints
CESI 11 ATEX 052X	The flamenaths 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
	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
	$\frac{1000}{100}$
	provided indication of the range of voltage variation "In $\pm/.5\%$ " (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.

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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 4.6steel 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
	For operators the length L of joints is greater than dimensions listed in EN 60079-1:2014 standard, as follows: • 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
	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
	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
INERIS 13ATEX 0058X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard
	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
INERIS 14 ATEX 0022X	The width of flameproof joints is superior to those specified in Tables of IEC60079-1 Standard
PTB 00 ATEX 3116	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.
	When connecting more than one intrinsically safe circuit, the rules and regulations for interconnection must be observed.
	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.
PTB 09 ATEX 1108	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. When more than one intrinsically safe circuit is used, the rules for
	interconnection are to be observed.

This certificate and its schedules may only be reproduced in its entirety and without change.

Sira Certification Service

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TYPE EXAMINATION CERTIFICATE

Sira 11ATEX1356X Issue 2

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.
	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.
	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 2

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.

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Sira Certification Service

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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 Electrial 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

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

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

60107-STD-ME-DA-001, Typical Stolway Air conditioning Unit General Arrangement 60107-STD-ME-DA-002, Typical Stolway Water Chiller General Arrangement •

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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 ٠

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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 additional to several precertified 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
Туре:	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): ATEX & IECEx:

(E "nnn" **(Ex**)_{II 2 G}

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

Instruction for Safe Installation, Use & Maintenance Date Prepared: 29th April 2020 Document number: 60107-STD-QA-ML-021-R03



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. <u>Putting into service</u>

WARNING

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

ENSURE POWER IS ISOLATED ELSEWHERE PRIOR TO OPENING ANY ELECTRCIAL 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. <u>Periodic Inspection</u>

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 <u>only permitted</u> 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

Warehouse 2 91-95 Montague St Wollongong NSW 2500 Australia Telephone: +61 (0)2 4262 3000 Facsimile: +61 (0)2 4262 3001 E-mail: spares@stolway.com.au Internet: www.stolway.com.au