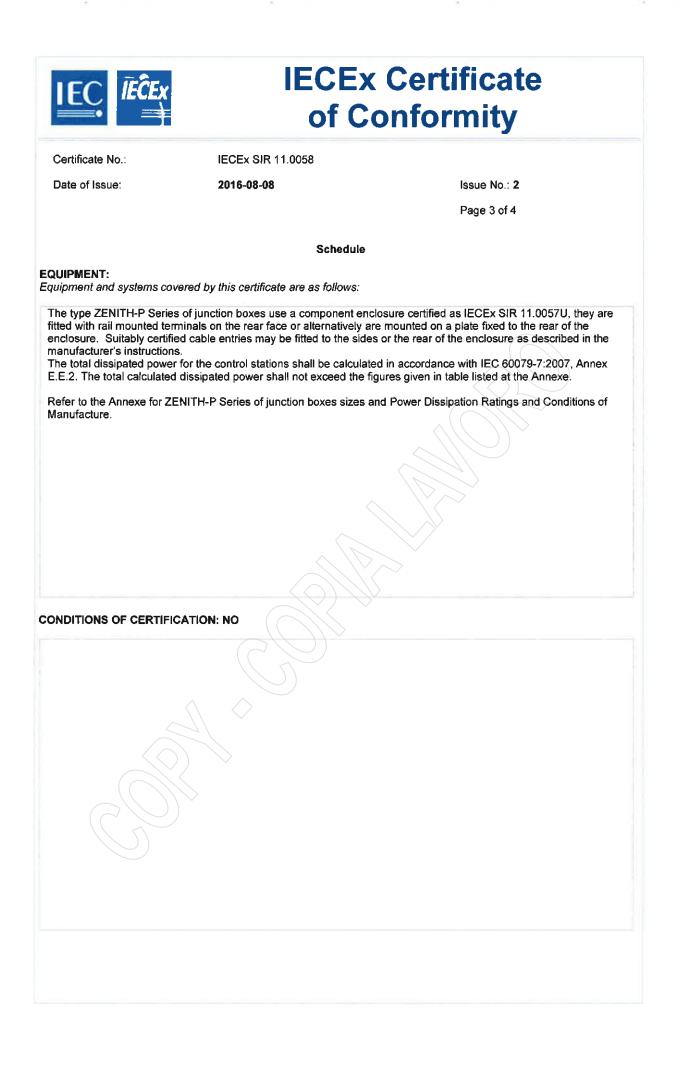


IECEx Certificate of Conformity

	ertification Schen	TROTECHNICAL CO ne for Explosive At ECEx Scheme visit www.iecex.	mospheres
Certificate No.:	IECEX SIR 11.0058	issue No.:2	Certificate history: Issue No. 2 (2016-8-8)
Status:	Current		Issue No. 1 (2012-12-20) Issue No. 0 (2012-6-14)
Date of Issue:	2016-08-08	Page 1 of 4	
Applicant:	SCAME Parre s.p.a. Via Costa Erta, 15 24020 Parre Bergamo Italy		
Equipment: Optional accessory:	ZENITH-P Series of junction	on boxes	
Type of Protection:	Increased Safety, Intrinsic	ally Safe and Dust Protection b	y Enclosure.
Marking:	♥ T6, T5 or T4 depending or options.		on of equipment for permissible
Approved for issue on b Certification Body: Position:		ication Manager	
Signature: (for printed version)	J J	there	
Date:	20,	16-08-08	;
2. This certificate is not	chedule may only be reproduce transferable and remains the p enticity of this certificate may be	ad in full. roperty of the issuing body. ≽ verified by visiting the Official IE	CEx Website.
Unit 6, Ha Hawarde	Certification Service CSA Group warden Industrial Park en, Deeside, CH5 3US nited Kingdom	Sira CERTIFICATIO	CSA Group

		of Conformity
Certificate No.:	IECEx SIR 11,0058	
Date of Issue:	2016-08-08	Issue No.: 2
		Page 2 of 4
Manufacturer:	SCAME Parre s Via Costa Erta, 1 24020 Parre Berg Italy	5
Additional Manufacturing lo	ocation(s):	
found to comply with the IE covered by this certificate,	EC Standard list below and t was assessed and found to	s), representative of production, was assessed and tested and that the manufacturer's quality system, relating to the Ex products comply with the IECEx Quality system requirements. This ut in IECEx Scheme Rules, IECEx 02 and Operational Document
	nd any acceptable variations comply with the following sta	s to it specified in the schedule of this certificate and the identified indards:
IEC 60079-0 : 2007-10 Edition: 5	Explosive atmospheres -	Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5		Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres -	- Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres -	Part 7: Equipment protection by increased safety "e"
This Certificate does no		electrical safety and performance requirements other than those I in the Standards listed above.
TEST & ASSESSMENT R		
	ent listed has successfully n	net the examination and test requirements as recorded in
Test Report: GB/SIR/ExTR12.0116/01	$ \land \land \land$	GB/SIR/ExTR16.0186/00
Quality Assessment Repor	<u>t</u>	
T/IMQ/QAR15.0001/00		FR/INE/QAR10.0005/01



Certificate No.:	IECEx \$IR 11.0058	
ate of Issue:	2016-08-08	Issue No.: 2
		Page 4 of 4
TAILS OF CERTIFICA	FE CHANGES (for issues 1 and above):	
Report GB/S sue 2 - this Issue into To allow the	roduced the following change: R/ExTR12.0116/01 replaced GB/SIR/ExT roduced the following changes: addition of an earth terminal bar in the ju introduction of a padlock on the outside c	inction box.
		$\ll (Q) $
	$ \land \land \land$	
)	

Annexe to:

IECEx SIR 11.0058 Issue 2

Applicant: SCAME Parre s.p.a.

Apparatus:

ZENITH-P Series of junction boxes

ZENITH-P Series of junction boxes sizes and Power Dissipation Ratings

ZENITH-P		Maximum Power Dissipation (W) for Cage Type Terminals					
SCAME Code	Enclosure size mm	T6, T80°C Ta +40°C	T6, T80°C Ta +60°C	T5, T95°C Ta +40°C	T5, T95°C Ta +60°C	T4, T130°C Ta +75°C	
644.0100	75x80x55	2.50	1.30	2.55	2.50	2.55	
644.0200	75x80x75	2.60	1.30	2.90	2.60	2.90	
644.0110	75x110x55	3.20	1.35	3.60	2.85	3.60	
644.0210	75x110x75	3.40	1.35	4.00	3.00	4.00	
644.0120	75x160x55	4.50	1.40	5.80	3.55	5.80	
644.0220	75x160x75	4.70	1.45	6.00	3.60	6.00	
644.0130	75x190x55	5.40	1.50	7.00	4.00	7.00	
644.0230	75x190x75	5.50	1.55	7.20	4.05	7.20	
644.0140	75x230x55	6.50	1.55	8.90	4.60	8.90	
644.0240	75x230x75	6.60	1.60	9.20	4.70	9.20	
644.0345	120x122x90	3.85	1.46	6.03	3.42	6.03	
644.0350	120x220x90	3.75	2.30	8.25	3.80	8.25	
644.0360	160x160x90	3.00	2.50	6.00	3.20	6.00	
644.0370	160x260x90	6.30	2.80	13.5	5.10	13.5	
644.0380	160x360x90	7.2	2.75	n/a	n/a	n/a	
644.0390	160×560×90	11.7	3.80	n/a	n/a	n/a	
644.0465	255x250x120	7.44	1.87	15.27	5.88	15.27	
644.0485	400x250x120	9.57	2.12	n/a	n/a	n/a	
644.0595	400x405x165	9.57	2.12	n/a	n/a	n/a	

ZENITH-P		Maximum Power Dissipation (W) for Screw Type Terminals					
SCAME Code	Enclosure size mm	T6, T80°C Ta +40°C	T6, T80°C Ta +60°C	T5, T95°C Ta +40°C	T5, T95°C Ta +60°C	T4, T130°C Ta +75°C	
644.0100	75x80x55	4.50	1.50	4.90	2.90	4.90	
644.0200	75x80x75	4.60	1.50	5.20	3.10	5.20	
644.0110	75x110x55	5.00	1.60	6.00	3.50	6.00	
644.0210	75x110x75	5.10	1.65	6.40	3.80	6.40	
644.0120	75x160x55	6.00	1,75	8.20	4.80	8.20	
644.0220	75x160x75	6.10	1.80	8.40	4.90	8.40	
644.0130	75x190x55	6.60	2.00	9.40	5.60	9.40	
644.0230	75x190x75	6.70	2.05	9.85	5.70	9.85	
644.0140	75x230x55	7.50	2.20	11.3	6.70	11,3	
644.0240	75x230x75	7.60	2.25	11.6	6.80	11.6	
644.0345	120x122x90	5.92	1.85	8.42	3.86	8.42	
644.0350	120x220x90	7.00	2.0	16.0	4.50	16.0	
644.0360	160x160x90	6.40	1.7	14.5	4.00	14.5	
644.0370	160x260x90	8.50	2.5	19.7	5.60	19,7	
644.0380	160x360x90	7.4	2,75	n/a	n/a	n/a	
644.0390	160x560x90	11.2	4.20	n/a	n/a	n/a	
644.0465	255x250x120	9.70	2.80	17.76	6.41	17.76	
644.0485	400x250x120	11.94	3.36	n/a	n/a	n/a	
644.0595	400x405x165	11.94	3.36	n/a	n/a	n/a	

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Date: 08 August 2016

Page 1 of 3



Annexe to:

IECEx SIR 11.0058 Issue 2

Applicant: SCAME Parre s.p.a.

CSA Group

Apparatus:

ZENITH-P Series of junction boxes

Conditions of Manufacture

- If the junction boxes are fitted with wiring, each Zenith-P Enclosures shall be subject to a routine dielectric strength test of 1000 V + 2U rms or 1500 V rms, whichever is the greater applied between the terminal block and the enclosure for a period of 60 s as required by clause 6.1 of IEC 60079-7. Alternatively, a test shall be carried out at 1.2 times the test voltage, but maintained for at least 100 ms.
- ii. The terminals detailed in the associated assessment report and in the manufacturers controlled documents have been suitably certified by a notified body may be fitted in the junction boxes. The following requirements shall be complied with:
 - All terminals shall comply with IEC 60079-7: 2007.
 - The terminals shall be fitted in accordance with the manufacturer's instructions and any special conditions for safe use that are specified in their certificate.
 - When installed, the terminals shall have the minimum clearance to earth that is shown in specified controlled certification documents.
 - When terminals are installed within a T6 enclosure they shall be rated for a minimum of +80°C.
 - When terminals are installed within a T5 enclosure they shall be rated for minimum of +111°C.
 - When terminals are installed within a T4 enclosure only ceramic terminals shall be used.
 - Weidmüller WDU 1.5 or WDU 2.5 terminals shall be limited to a maximum current of 15 A.
 - These terminal boxes may be marked with a minimum ambient temperature of either -50°C or -60°C, therefore, the terminals that are fitted shall be capable of operating at the temperature of the intended application of the box.

The user/installer of the Zenith-P Series of Junction Boxes shall be provided with a copy of the certificate that appertains to the particular terminals that are fitted in that box.

- iii. When cable entry devices are fitted they shall be approved by a notified body and suitable for the application.
- iv. The maximum dissipated power in watts, for each Junction Box, shall be calculated in accordance with IEC/EN 60079-7:2007, Annex E, E.2 and shall not exceed the value given in the Table above.
- v. Any unused entries must be blanked using suitably approved blanking plugs.
- vi. When the Junction Box contains both Intrinsic safety and non Intrinsic Safety wiring, , a separation method in accordance with clause 12.2.3 of IEC/EN60079-14 must be observed and suitable warning label must be fixed to the cover in accordance with IEC/EN 60079-7 Clause 4.9.3.
- vii. The breather/drains detailed in the associated assessment report and in the manufacturers controlled certification documents and have been suitably certified by a notified body may be fitted in the junction box. The following requirements must be complied with:
 - When fitted with breather/drain, ingress protection of the enclosure must not be compromised. Select breather/drain to suit.
 - The breather/drain shall be fitted in accordance with the manufacturer's instructions and any special conditions for safe use that are specified in their certificate.
 - The junction boxes must be marked with a minimum/maximum ambient temperature dependant on the minimum/maximum service temperatures detailed on the breather/drain certificate if the breather/drain values are the limiting factor.

The user/installer of the Zenith-P Series of Junction Boxes shall be provided with a copy of the certificate that appertains to the particular breather/drain that is fitted in that box.

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Date: 08 August 2016

Page 2 of 3

Annexe to:

IECEx SIR 11.0058 Issue 2

Applicant: SCAME Parre s.p.a.



ZENITH-P Series of junction boxes



Manufacturer's Documents

Drawing No	Sheets	Rev.	Date (Sira stamp)	Title
STP 0002	1 to 21	0	01 Jun 2012	Zenith-P Technical Document Junction Box
IQA9003	1 to 11	3	01 Jun 2012	Terminal Box - installation, maintenance, operating instructions

Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
STP0002	1 to 24	1	13 Jul 2016	Zenith-P Technical Document Junction Box
IQA9003	1 to 11	4	04 Jul 2016	Terminal Box – installation, maintenance, operating
				instructions.

Date: 08 August 2016

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