



## EC TYPE-EXAMINATION CERTIFICATE

Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

Certificate Number: **Sira 13ATEX3059X** Issue: **2**

Equipment: **Control Stations and Local Control Units**

Applicant: **Pepperl+ Fuchs GmbH**

Address: **Lilienthalstrasse 200, 68307 Mannheim, Germany**

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

Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of 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.

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

EN 60079-1:2007

EN 60079-7:2007

EN 60079-18:2009

EN 60079-28:2007

EN 60079-31:2009

The following were used for reference

EN 60079-11:2007 EN 60079-11:2012

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.

If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

This EC type-examination certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

The marking of the equipment shall include the following:



II 2 GD

Ex d e IIC T Gb

Ex ib IIC T Gb

Ex d e ib IIC T Gb

Ex d e ib op pr IIC T Gb

Ex e op pr IIC T Gb

Ex tb IIIC Tk Db

Ta = -1 °C to + m °C

T6, T5 or T4 for gas applications, refer to product description  
k T80°C, T95°C or T130°C for dust applications, refer to product description  
l See Condition of Certification  
m +40°C or +55°C, refer to product description

**Note: these are example markings, see Conditions of Certification**

Project Number 32246

C Ellaby  
Deputy Certification Manager

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**Sira Certification Service**

Unit 6, Hawarden Industrial Park,  
Hawarden, CH5 3US, United Kingdom



## SCHEDULE

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#### 13 DESCRIPTION OF EQUIPMENT

The **Control Stations** are either the XL and FXL types of fabricated mild steel or stainless steel enclosures, certified under Sira 00ATEX3027U or the GL types, which are moulded from carbon loaded glass reinforced polyester certified under Sira 00ATEX3028U. All enclosures are manufactured by Pepperl+ Fuchs. The enclosure sizes are as follows:

XL and FXL Types				
Enclosure type	IP rating	Enclosure dimensions (mm)		
		Height	Width	Depth
1	IP66	229	152	145
2	IP66	260	260	165
2D	IP66	260	260	215
3	IP66	306	306	165
3D	IP66	306	306	215
4	IP66	380	260	165
4D	IP66	380	260	215
5	IP66	458	382	165
5D	IP66	458	382	215
6	IP66	480	480	165
6D	IP66	480	480	215
7	IP66	500	350	165
7D	IP66	500	350	215
8	IP66	620	450	165
8D	IP66	620	450	215
9	IP66	762	508	165
9D	IP66	762	508	215
10	IP66	914	610	215
10D	IP66	914	610	315
11j	IP54	1177	777	225
11Dj	IP54	1177	777	315

j These enclosures have an ingress protection rating of IP54 and are therefore not suitable for dust applications.

GL Types				
Enclosure type	IP rating	Enclosure dimensions (mm)		
		Height	Width	Depth
5	IP66	120	120	90
6	IP66	120	220	90
7	IP66	160	160	91
8	IP66	160	260	91
9	IP66	160	360	91
10	IP66	160	560	91
11	IP66	250	255	120
11D	IP66	250	255	165
12	IP66	250	400	120
13	IP66	405	400	120
14	IP66	405	400	165
14D	IP66	405	400	200

The enclosures may be fitted with an arrangement of ATEX certified ammeters, voltmeters, switch modules, signal lamps, signal lamps with contacts, operator heads, potentiometers, terminals, optical fibre splice tray and inspection windows. The permitted devices are as follows:

Component Description	Certificate number	Key attributes
Pepperl+ Fuchs CFP.* Series Explosion-Proof Meter Modules (Ammeters and Voltmeters)	Sira 14ATEX1239U	Ex e IIC Gb Ex e mb IIC Gb
Pepperl+ Fuchs DIS.* Series Explosion-Proof Disconnect Switches	Sira 14ATEX1239U	Ex de IIC Gb
Pepperl+ Fuchs CFP.* Series Explosion-Proof Push Button & Switch Modules used in conjunction with CFP Series Explosion-Proof Operator Range certified under Sira 14ATEX1239U (See note 1)	Sira 14ATEX1239U	Ex de IIC Gb
Pepperl+ Fuchs CFP.* Series Explosion-Proof Operator Range used in conjunction with Pepperl+ Fuchs CFP.* Series Explosion-Proof Push Button & Switch Modules certified under Sira 14ATEX1239U (See note 1)	Sira 14ATEX1239U	Ex e IIC Gb Ex tb IIIC Db

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Component Description	Certificate number	Key attributes
Pepperl+ Fuchs CFP.* Series Explosion-Proof LED Modules, complete with mounting bezel (See note 1)	Sira 14ATEX1239U	Ex de IIC Gb Ex ia IIC Gb
Pepperl+ Fuchs CFP.*.*.* Series Explosion-Proof Illuminated Push Button Modules, complete with mounting bezel	Sira 14ATEX1239U	Ex de IIC Gb
Pepperl+ Fuchs CFP.* Series Explosion-Proof Potentiometer Modules	Sira 14ATEX1239U	Ex de IIC Gb
Pepperl+ Fuchs MFT Multi-Function Terminals	PTB 07ATEX1004U	Ex de IIC
Schmersal (See note 1) Ex-RDT Pushbutton head Ex-RDM. Pushbutton head with diaphragm Ex-RDL .. Illuminated pushbutton head Ex-RDLM .. Illuminated pushbutton head with diaphragm Ex-RMLH .. Pilot light with protruding lens Ex-RDP40 .. Pushbutton with exposed head Ex-RDRZ45 .. Pushbutton with latching mushroom head Ex-RDRZ45 rt Pushbutton with latching mushroom head to EN ISO 13850 Ex-RW.. .. Selector switch head Ex-RS..... Key operated selector switch head control elements	TUV 08 ATEX 7685U	Ex ib IIC Ex tD A21 IP 65
Schmersal Ex-RF... contact terminal blocks (See note 1)	TUV 08 ATEX 7685U	Ex ib IIC T4
Schmersal Ex-RLDE ws 24 light terminal blocks (See note 1)	TUV 08 ATEX 7685U	Ex ib IIC T4
Phoenix Contact terminal blocks, type UT	KEMA 04ATEX2048U	Ex eb IIC
Phoenix Contact terminal blocks, type PT* series	PTB 09ATEX1111U	Ex eb IIC
Phoenix Contact terminal blocks, type UT* series	KEMA 06ATEX0017U	Ex eb IIC
Phoenix Contact terminal blocks, type UHSK/S2000	SEV 12ATEX0168U	Ex eb IIC
Phoenix Contact terminal blocks, type ST1.5*	KEMA 01ATEX2129U	Ex eb IIC
Phoenix Contact terminal blocks type ST2.5*	KEMA 00ATEX2052U	Ex eb IIC
Phoenix Contact terminal blocks type ST4*; ST6*	KEMA 00ATEX2129U	Ex eb IIC
Wago Kontakttechnik terminal blocks, type 264-***/*/*	PTB 98ATEX3129U	Ex e IIC Gb
Wago Kontakttechnik terminal blocks, types 2002-**** & 2002-****7/*	PTB 03ATEX1162U	Ex e IIC Gb
Wago Kontakttechnik terminal blocks, types 2010-**** & 2010-****7	PTB 05ATEX1070U	Ex e IIC Gb
Wago Kontakttechnik terminal blocks, types 2016-**** & 2016-****7	PTB 05ATEX1031U	Ex e IIC Gb
Pepperl+ Fuchs 'FO Splice Tray'	BAS14ATEX0368U	Ex op pr IIC Gb
CZ Explosion-Proof Electrical Appliances, type '8007' or type '8032' inspection window assemblies	DNV 12 ATEX 11181U	Ex e II Gb and Ex tD A21
Bartec Operating Head, series 05-0003-00**/*	PTB 00ATEX3114U	Ex e IIC Gb Ex tb IIIC Db

The Pepperl+ Fuchs CFP.\* & CFP.\*.\*.\* Series Explosion-Proof LED Modules are previously certified, Ex, component parts that have been tested against EN 60079-0:2012 and EN 60079-11:2012 which are later editions of the standards than those listed in this certificate.

**Note 1:** These components are used in 'Control Stations – Ex ib control function'.

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The total maximum power dissipation values have been assigned based on internal temperature rises of 5 K, 10 K and 15 K to account for the limiting temperatures of the different devices that may be installed; the maximum power dissipation values assigned for each enclosure size shall not be exceeded and are as follows:

XL and FXL Types									
Enclosure Type	5 kΔT			10 kΔT			15 kΔT		
	P (W)	T Class/Dust		P (W)	T Class/Dust		P (W)	T Class/Dust	
		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C
1	2.3	T6/T80°C	T5/T95°C	4.6	T6/T80°C	T4/T130°C	6.9	T5/T95°C	T4/T130°C
2	3.8	T6/T80°C	T5/T95°C	7.6	T6/T80°C	T4/T130°C	11.3	T5/T95°C	T4/T130°C
2D	4.6	T6/T80°C	T5/T95°C	9.2	T6/T80°C	T4/T130°C	13.8	T5/T95°C	T4/T130°C
3	4.7	T6/T80°C	T5/T95°C	9.3	T6/T80°C	T4/T130°C	14.0	T5/T95°C	T4/T130°C
3D	5.6	T6/T80°C	T5/T95°C	11.3	T6/T80°C	T4/T130°C	16.9	T5/T95°C	T4/T130°C
4	4.9	T6/T80°C	T5/T95°C	9.8	T6/T80°C	T4/T130°C	14.7	T5/T95°C	T4/T130°C
4D	5.9	T6/T80°C	T5/T95°C	11.8	T6/T80°C	T4/T130°C	17.7	T5/T95°C	T4/T130°C
5	7.1	T6/T80°C	T5/T95°C	14.3	T6/T80°C	T4/T130°C	21.4	T5/T95°C	T4/T130°C
5D	8.5	T6/T80°C	T5/T95°C	16.9	T6/T80°C	T4/T130°C	25.4	T5/T95°C	T4/T130°C
6	8.6	T6/T80°C	T5/T95°C	17.3	T6/T80°C	T4/T130°C	25.9	T5/T95°C	T4/T130°C
6D	10.1	T6/T80°C	T5/T95°C	20.3	T6/T80°C	T4/T130°C	30.5	T5/T95°C	T4/T130°C
7	7.2	T6/T80°C	T5/T95°C	14.4	T6/T80°C	T4/T130°C	21.6	T5/T95°C	T4/T130°C
7D	8.5	T6/T80°C	T5/T95°C	17.1	T6/T80°C	T4/T130°C	25.6	T5/T95°C	T4/T130°C
8	10.0	T6/T80°C	T5/T95°C	20.0	T6/T80°C	T4/T130°C	29.9	T5/T95°C	T4/T130°C
8D	11.7	T6/T80°C	T5/T95°C	23.3	T6/T80°C	T4/T130°C	35.0	T5/T95°C	T4/T130°C
9	12.7	T6/T80°C	T5/T95°C	25.5	T6/T80°C	T4/T130°C	38.3	T5/T95°C	T4/T130°C
9D	14.7	T6/T80°C	T5/T95°C	29.5	T6/T80°C	T4/T130°C	44.2	T5/T95°C	T4/T130°C
10	19.1	T6/T80°C	T5/T95°C	38.3	T6/T80°C	T4/T130°C	57.4	T5/T95°C	T4/T130°C
10D	24.0	T6/T80°C	T5/T95°C	47.9	T6/T80°C	T4/T130°C	71.9	T5/T95°C	T4/T130°C
11	28.3	T6/T80°C	T5/T95°C	56.6	T6/T80°C	T4/T130°C	85.0	T5/T95°C	T4/T130°C
11D	33.9	T6/T80°C	T5/T95°C	67.7	T6/T80°C	T4/T130°C	101.6	T5/T95°C	T4/T130°C
GL Types									
Enclosure Type	5 kΔT			10 kΔT			15 kΔT		
	P (W)	T Class/Dust		P (W)	T Class/Dust		P (W)	T Class/Dust	
		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C
5	1.7	T6/T80°C	T5/T95°C	3.5	T6/T80°C	T4/T130°C	5.2	T5/T95°C	T4/T130°C
6	2.6	T6/T80°C	T5/T95°C	5.3	T6/T80°C	T4/T130°C	7.9	T5/T95°C	T4/T130°C
7	2.5	T6/T80°C	T5/T95°C	5.1	T6/T80°C	T4/T130°C	7.6	T5/T95°C	T4/T130°C
8	3.6	T6/T80°C	T5/T95°C	7.1	T6/T80°C	T4/T130°C	10.7	T5/T95°C	T4/T130°C
9	4.6	T6/T80°C	T5/T95°C	9.2	T6/T80°C	T4/T130°C	13.8	T5/T95°C	T4/T130°C
10	6.6	T6/T80°C	T5/T95°C	13.3	T6/T80°C	T4/T130°C	19.9	T5/T95°C	T4/T130°C
11	5.6	T6/T80°C	T5/T95°C	11.1	T6/T80°C	T4/T130°C	16.7	T5/T95°C	T4/T130°C
11D	6.9	T6/T80°C	T5/T95°C	13.9	T6/T80°C	T4/T130°C	20.8	T5/T95°C	T4/T130°C
12	7.7	T6/T80°C	T5/T95°C	15.4	T6/T80°C	T4/T130°C	23.1	T5/T95°C	T4/T130°C
13	10.7	T6/T80°C	T5/T95°C	21.4	T6/T80°C	T4/T130°C	32.1	T5/T95°C	T4/T130°C
14	12.9	T6/T80°C	T5/T95°C	25.8	T6/T80°C	T4/T130°C	38.7	T5/T95°C	T4/T130°C
14D	14.6	T6/T80°C	T5/T95°C	29.2	T6/T80°C	T4/T130°C	43.8	T5/T95°C	T4/T130°C

Tapped or clearance hole entries may be provided through the side walls or the rear of the enclosures, as permitted by the individual enclosure certification, for the use of suitably certified, Ex e IIC Gb/Ex tb IIIC Db (minimum) entry devices suitable for an ambient range as marked.

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## SCHEDULE

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Issue 2

**Variation 1** - This variation introduced the following changes:

- Alternative temperature classes for a 40°C ambient were recognised for all enclosure types, the relevant tables were amended accordingly.
- Base mounted control functions were added.
- A lower optional minimum ambient temperature of -50°C was introduced.
- Following assessment to the latest technical knowledge, standard EN 60079-0:2012 replaced EN 60079-0:2009, the year of issue for the dust standard was also corrected.
- An alternative operating head was added.

Component Description	Certificate Number	Key Attributes
Bartec Operating Head, series 05-0003-00**/****	PTB 00ATEX3114U	Ex e IIC Gb Ex tb IIIC Db

- Local Control Units** LCP and LCS types were introduced; The LCS types utilise the SL fabricated mild steel or stainless steel enclosures, certified under Sira 00ATEX3027U. The LCP types are moulded from Freemix 43-2101 GRP. All enclosures are manufactured by Pepperl+Fuchs.

LCS Types				
Enclosure type	IP rating	Enclosure dimensions (mm)		
		Height	Width	Depth
LCS1*	IP66	96	110	84
LCS2	IP66	136	110	84
LCS3*	IP66	216	110	84
LCS4*	IP66	216	110	84

LCP Types				
Enclosure type	IP rating	Enclosure dimensions (mm)		
		Height	Width	Depth
LCP1	IP66	92	98	100
LCP2	IP66	202	98	100
LCP3	IP66	202	98	100
LCP4	IP66	202	98	100

**Note\*** : These enclosures are not included in Sira 00ATEX3027U and their suitability has been attested by the assessments associated with the certificates.

LCS Types									
Enclosure Type	5 kΔT			10 kΔT			15 kΔT		
	P (W)	T Class/Dust		P (W)	T Class/Dust		P (W)	T Class/Dust	
		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C
LCS1	0.7	T6/T80°C	T5/T95°C	1.4	T6/T80°C	T4/T130°C	2.1	T5/T95°C	T4/T130°C
LCS2	0.9	T6/T80°C	T5/T95°C	1.8	T6/T80°C	T4/T130°C	2.7	T5/T95°C	T4/T130°C
LCS3	1.2	T6/T80°C	T5/T95°C	2.5	T6/T80°C	T4/T130°C	3.7	T5/T95°C	T4/T130°C
LCS4	1.2	T6/T80°C	T5/T95°C	2.5	T6/T80°C	T4/T130°C	3.7	T5/T95°C	T4/T130°C
LCP Types									
Enclosure Type	5 kΔT			10 kΔT			15 kΔT		
	P (W)	T Class/Dust		P (W)	T Class/Dust		P (W)	T Class/Dust	
		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C		Ta + 40°C	Ta + 55°C
LCP1	1.4	T6/T80°C	T5/T95°C	2.8	T6/T80°C	T4/T130°C	4.3	T5/T95°C	T4/T130°C
LCP2	2.4	T6/T80°C	T5/T95°C	4.8	T6/T80°C	T4/T130°C	7.2	T5/T95°C	T4/T130°C
LCP3	2.4	T6/T80°C	T5/T95°C	4.8	T6/T80°C	T4/T130°C	7.2	T5/T95°C	T4/T130°C
LCP4	2.4	T6/T80°C	T5/T95°C	4.8	T6/T80°C	T4/T130°C	7.2	T5/T95°C	T4/T130°C

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**Variation 2** - This variation introduced the following changes:

- i. The description was amended to recognise the following modifications:
- An 'FO Splice Tray' was allowed to be fitted within the 'Control Stations and Local Control Units'. This device is suitable for splicing up to 12 fibres, it is manufactured by Pepperl+ Fuchs GmbH and coded Ex op pr IIC Gb as ratified by certificate number BASEEFA 14ATEX0368U.
  - Types '8007' or type '8032' inspection window assemblies were allowed to be fitted within the 'Control Stations and Local Control Units', these devices are manufactured by CZ Explosion-Proof Electrical Appliances Co Ltd and coded Ex e II Gb and Ex tD A21 as ratified on certificate number DNV 12 ATEX 11181U,.
  - The removal of all current references to component certified devices covered by certificate numbers; DNV-2008-OSL-ATEX-21657U, DNV-2008-OSL-ATEX-21658U, DNV-2008-OSL-ATEX-21659U, DNV-2009-OSL-ATEX-46028U, DNV 12 ATEX 11182U and DNV 12 ATEX 11183U, replacing them with the identical Pepperl+ Fuchs GmbH 'CFP' Component certified devices covered by certificate number Sira 14ATEX1239U.
  - The introduction of the additional Component certified devices to be fitted within the 'Control Stations and Local Control Units' covered by certificate number Sira 14ATEX1239U; Ammeters, ratings of 4-20 mA & 0-20 mA, coded Ex e mb
  - Voltmeters, ratings 0-25, 40, 150, 250, 500 V, coded Ex e mb
  - DIS disconnect switches, rated 25 A, 40 A, 80 A & 180 A, coded Ex d e
  - The introduction of alternative terminals were also allowed to be fitted; these are certified as detailed below:

Manufacturer	Terminal type	Coded	Certificate no
Phoenix Contact GmbH	PT* series	Ex eb IIC, -50°C to +110°C Ex eb IIC, -60°C to +110°C	PTB 09ATEX1111U
Phoenix Contact GmbH	UT* series	Ex eb IIC, -60°C to +110°C	KEMA 06ATEX0017U
Phoenix Contact GmbH	UHSK/S2000	Ex eb IIC, -60°C to +105°C	SEV 12ATEX0168U
Phoenix Contact GmbH	ST1.5*	Ex eb IIC, -60°C to +110°C	KEMA 01ATEX2129U
Phoenix Contact GmbH	ST2.5*	Ex eb IIC, -60°C to +105°C	KEMA 00ATEX2052U
Phoenix Contact GmbH	ST4*; ST6*	Ex eb IIC, -60°C to +110°C	KEMA 00ATEX2129U
Wago Kontakttechnik GmbH	264-***/*/*	Ex e IIC Gb, -55°C to +110°C	PTB 98ATEX3129U
Wago Kontakttechnik GmbH	2002-*** & 2002-***7/*	Ex e IIC Gb, -55°C to +110°C	PTB 03ATEX1162U
Wago Kontakttechnik GmbH	2010-*** & 2010-***7	Ex e IIC Gb, -55°C to +110°C	PTB 05ATEX1070U
Wago Kontakttechnik GmbH	2016-*** & 2016-***7	Ex e IIC Gb, -55°C to +110°C	PTB 05ATEX1031U

- Updates to technical cross referenced data to XL, FXL and GL Type enclosures, comprising; changes to ingress protection ratings from IP6X to IP66 and removal of note 2 associated with Type GL enclosures
- ii. The postcode for the Mannheim address was corrected.
- iii. The Special Conditions for Safe Use and Conditions of Certification were reviewed and revised.





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- iv. The following typographical omissions were recognised and corrected; these changes do not affect current compliance of the equipment:
- Drawing 16-0985SR-04B sheet 1 note 1. "Ex de Local Control Stations with terminals" was corrected to read "Ex de/Ex tb Local Control Stations with terminals". And "Ex ib Local Control Stations with terminals" was corrected to read "Ex ib/Ex tb Local Control Stations with terminals".
  - Drawing 16-0985SR-04B sheet 1 note 2. The following text was added to clarify the actual certified enclosures design options used within the 'Control Stations and Local Control Units':
    - (GL type GRP enclosure without the viewing window option)
    - (XL/FXL/SL type fabricated steel enclosure without the viewing window option)
  - Drawing 16-0985SR-04B sheet 7 note 1. "Ex de Local Control Units" was corrected to read "Ex de/Ex tb Local Control Units".

## 14 DESCRIPTIVE DOCUMENTS

### 14.1 Drawings

Refer to Certificate Annexe.

### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	17 April 2013	R28285A/00	The release of the prime certificate.
1	18 March 2014	R32246A/00	The introduction of Variation 1
2	02 September 2015	R70021005A	The introduction of Variation 2

## 15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

- 15.1 'Control Stations and Local Control Units' fitted with a type 8007 Inspection window shall only be 'Cleaned with a damp cloth' to prevent the risk of electrostatic discharge.
- 15.2 Repair of the flameproof joints of any internally fitted 'DIS.\* Series Explosion-Proof Disconnect Switches' must be made in compliance with the structural specification provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN 60079-1.
- 15.3 Repair of the flameproof joint of the CFP.\* Series Explosion-Proof Push Button & Switch Modules must be made in compliance with the structural specification provided by the manufacturer. Repairs must not be made on the basis of values specified in tables 1 and 2 of EN 60079-1.
- 15.4 Any connected optical bundles must be supported within the equipment to prevent strain on the individual fibres as they enter the component.

## 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 in the reports listed in Section 14.2.

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## Sira Certification Service

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

Sira 13ATEX3059X

Issue 2

#### 17 CONDITIONS OF CERTIFICATION

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 If the control stations are fitted with wiring, each arrangement shall be subject to a dielectric strength test in accordance with clause 6.1, EN 60079-7. Alternatively, a test shall be carried out at 1.2 times the test voltage, but maintained for at least 100 ms.
- 17.4 The total dissipated power for the enclosure shall be calculated in accordance with EN 60079-7/, Annex E,E.2 and shall not exceed the maximum power rating defined in this certificate.
- 17.5 The Control Stations covered by this certificate incorporate previously certified devices, it is therefore the responsibility of the manufacturer to continually monitor the status of the certification associated with these devices, and the manufacturer shall inform Sira of any modifications of the devices that may impinge upon the explosion safety design of the Control Stations.
- 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 range of Control Stations.
- 17.7 The Junction Boxes may also be manufactured to sizes not specified in the documentation. In this case, the marked power shall be calculated in accordance with the method detailed on the Schedule Drawings.
- 17.8 The assembly, operation and maintenance, of '8007' or type '8032' inspection window assemblies, are to be installed in accordance with the manufacturer's operating instructions, and the requirements of EN 60079-14:2007. The manufacturer shall pass on to the end user the operation and maintenance requirements within the control station operating instructions.
- 17.9 Products shall only be manufactured at production sites that have a Quality Assurance Notification that covers all Protection Concepts being incorporated.
- 17.10 The manufacturer shall either fit the previously certified Ex Component parts listed in the Equipment Description or alternative components selected in accordance with the certified, scheduled drawing requirements; these parts shall be fitted taking into account any Special Conditions for Safe Use or restrictions that apply.
- 17.11 The marking for gas that is applied to these products shall include the concepts that have been used to certify the components that are used in the product's construction.
- 17.12 The minimum ambient temperature limit that is marked on these products shall be the highest value that applies to the components that are used in the product's construction.
- 17.13 The temperature class, maximum surface temperature for dust and maximum ambient temperature limit that is marked on these products shall comply with the relevant table in the Equipment Description and Variation 1.

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# Certificate Annexe



**Certificate Number:** Sira 13ATEX3059X

**Equipment:** Control Stations and Local Control Units

**Applicant:** Pepperl+ Fuchs GmbH

## Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
16-0985SR-04	1 of 6	-	05 Apr 13	CJB general arrangement
16-0985SR-04	2 of 6	-	05 Apr 13	CJB dissipation table XL/FXL
16-0985SR-04	3 of 6	-	05 Apr 13	CJB dissipation table GL
16-0985SR-04	4 of 6	-	05 Apr 13	CJB Ex e control functions details and calculations
16-0985SR-04	5 of 6	-	05 Apr 13	CJB Ex ib control functions details
16-0985SR-04	6 of 6	-	05 Apr 13	CJB with MFT terminals
16-0985SR-10	1 of 2	-	05 Apr 13	CJB type code definition
16-0985SR-10	2 of 2	-	10 Apr 13	CJB certification label

## Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
16-0985SR-04A	1 of 8	A	18 Mar 14	Control Stations general arrangement
16-0985SR-04A	2 of 8	A	18 Mar 14	Control Stations and Local Control Units - dissipation table (steel enclosures)
16-0985SR-04A	3 of 8	A	18 Mar 14	Control Stations and Local Control Units - dissipation table (GRP)
16-0985SR-04A	4 of 8	A	18 Mar 14	Control Stations and Local Control Units - Ex e control functions details and calculations
16-0985SR-04A	5 of 8	A	18 Mar 14	Control Stations - Ex ib control functions details
16-0985SR-04A	6 of 8	A	18 Mar 14	Control Stations - MFT terminal detail
16-0985SR-04A	7 of 8	A	18 Mar 14	Local Control Units - general arrangement
16-0985SR-04A	8 of 8	A	18 Mar 14	LCP type enclosure
16-0985SR-10A	1 of 4	A	18 Mar 14	Control Stations - type code definition
16-0985SR-10A	2 of 4	A	18 Mar 14	Control Stations - certification label
16-0985SR-10A	3 of 4	A	18 Mar 14	Local Control Units - type code definition
16-0985SR-10A	4 of 4	A	18 Mar 14	Local Control Units - certification label

## Issue 2

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
16-0985SR-04B	1 of 13	B	05 Apr 15	Control Stations general arrangement
16-0985SR-04B	2 of 13	B	05 Apr 15	Control Stations and Local Control Units - dissipation table (steel enclosures)
16-0985SR-04B	3 of 13	B	05 Apr 15	Control Stations and Local Control Units - dissipation table (GRP)
16-0985SR-04B	4 of 13	B	05 Apr 15	Control Stations and Local Control Units - Ex e control functions details and calculations
16-0985SR-04B	5 of 13	B	05 Apr 15	Control Stations - Ex ib control functions details
16-0985SR-04B	6 of 13	B	05 Apr 15	Control Stations - MFT terminal detail
16-0985SR-04B	7 of 13	B	05 Apr 15	Local Control Units - general arrangement
16-0985SR-04B	8 of 13	B	05 Apr 15	LCP type enclosure
16-0985SR-04B	9 of 13	B	05 Apr 15	Control Stations - FO Splice Tray detail
16-0985SR-04B	10 of 13	B	05 Apr 15	Control Stations – DIS disconnect switch detail
16-0985SR-04B	11 of 13	B	05 Apr 15	Control Stations – 8007/8032 viewing detail
16-0985SR-04B	12 of 13	B	05 Apr 15	Control Stations and Local Control units – additional terminals
16-0985SR-04B	13 of 13	B	05 Apr 15	Control Stations – Lid hole restrictions

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# Certificate Annexe



**Certificate Number:** Sira 13ATEX3059X

**Equipment:** Control Stations and Local Control Units

**Applicant:** Pepperl+ Fuchs GmbH

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
16-0985SR-10B	1 of 4	B	05 Apr 15	Control Stations - type code definition
16-0985SR-10B	2 of 4	B	05 Apr 15	Control Stations - certification label
16-0985SR-10B	3 of 4	B	05 Apr 15	Local Control Units - type code definition
16-0985SR-10B	4 of 4	B	05 Apr 15	Local Control Units - certification label

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