

1 **EC TYPE EXAMINATION CERTIFICATE**

2 Equipment or protective system intended for use in potentially explosive atmospheres –
Directive 94/9/EC – Annex III

3 EC Type Examination Certificate No.: **TRL03ATEX21036X (incorporating variation V3)**

4 Equipment: **Dau Escorte-Ex**

5 Manufacturer: **G4S Technology Limited**

6 Address: **Challenge House, International Drive, Tewkesbury, Gloucestershire,
GL20 8UQ, United Kingdom**

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

8 TRaC EMC & Safety Ltd, Notified Body number 0891 in accordance with Article 9 of the Council 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 or protective system intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential report **XU1077/4910 and TES-002589-16-00**.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in section 18 of the schedule to this certificate, has been assured by compliance with:

EN50014:1997/A2:1999

EN50020:2002

EN50284:1999

10 If the sign “X” is placed after the certificate number then this indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.

11 This EC-Type Examination certificate relates only to the design and construction of the specified equipment in accordance with Directive 94/9/EC. Further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of this equipment or protective system shall include the following:

 **II 1 G EEx ia IIC T4**

This certificate and its schedules may only be reproduced in its entirety and without change. This certificate is issued in accordance with the TRaC Ex Certification Scheme.

S.P. Winsor

S P Winsor, Certification Liaison Officer

Issue date: 2011-04-21

Copy No.: 1e

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13 **SCHEDULE TO EC TYPE EXAMINATION CERTIFICATE**

14 **TRL03ATEX21036X (incorporating variation V3)**

15 **General description of equipment or protective system included within the scope of this certificate**

Handheld equipment used to register plant equipment visited by a security guard during routine inspections. Comprises a carbon loaded plastic enclosure containing three circuit boards namely an analogue board, digital board and reader board. The analogue and digital boards are completely encapsulated with the bottom side of the reader board being encapsulated. A piezo electric buzzer provides audible indication and LEDs provide visual indication.

The equipment is powered by a non-rechargeable battery pack containing two AA batteries and two AAA batteries producing a maximum voltage of 4.95 V, the supply from the batteries is current limited using an adequately rated 63mA fuse. The fuse and batteries are completely encapsulated using a potting compound. The battery pack is fixed to the apparatus via two special fasteners that need to be drilled out to be removed.

A list of controlled Manufacturer's Documents is given in Appendix A to this schedule.

16 **Test report No.:** XU1077/4910 and TES-002589-16-00.

17 **Special conditions for safe**

1. Equipment shall be regularly inspected for signs of damage. Damaged units must not be used in a potentially explosive atmosphere and shall be returned to the manufacturer.
2. The battery pack shall not to be removed or replaced in a potentially explosive atmosphere.

18 **Essential health and safety requirements**

Covered by application of the standards listed in section 9 of this certificate and the assessment conducted in the test report listed in section 16 of this certificate.

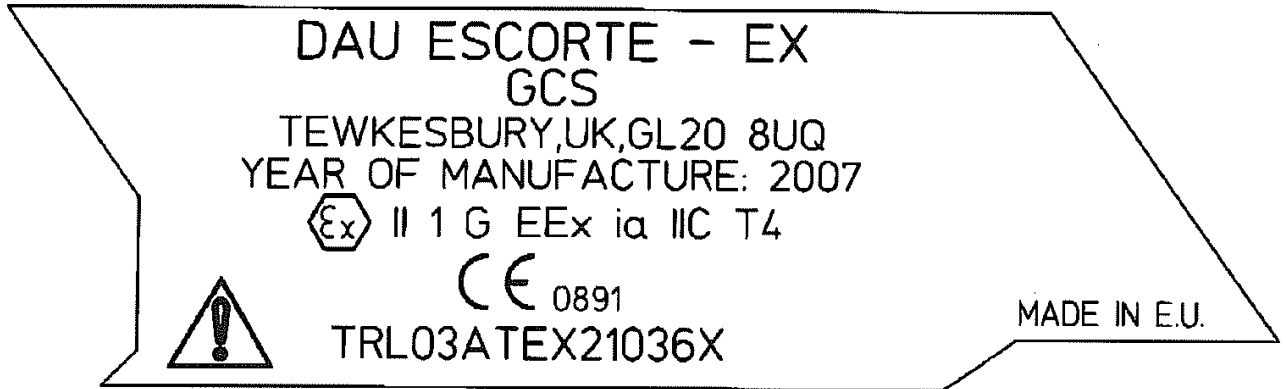
19 **Additional information (including special conditions for manufacture)**

1. Manufacturer to ensure that inductors L1 and L2 have a maximum inductance less than 90mH each.
2. Only battery types Panasonic LR6 alkaline AA size and Panasonic LR03 alkaline AAA size shall be used within the equipment.

Photographs



Details of markings



Details of variations to this certificate

This certificate is a consolidated certificate and reflects the latest status of the certification, including the following variations:

- Variation V1 – 3 electronic components (integrated circuits) are changed, to enable RoHS compliance.
- Variation V2 – Update of certificate and marking drawing to show new postcode.
- Variation V3 - Update of company name and scheduled drawings.

Notes to CE marking

In respect of CE Marking, TRaC EMC & Safety Ltd accepts no responsibility for the compliance of the equipment against all applicable Directives in all applications.

Notes to this certificate

TRaC certification reference: **TES-002589-15-00**

Throughout this certificate, the date format yyyy-mm-dd (year-month-day) is used.

This certificate is a consolidated certificate and reflects the latest status of the certification, including all variations.

CONTINUATION OF SCHEDULE TO CERTIFICATE TRL03ATEX21036X V3

APPENDIX A - LIST OF CONTROLLED MANUFACTURER'S DOCUMENTS

Title:	Drawing No.:	Rev. Level:	Date:
User Instruction Leaflet	9600-0386 (DAU-ESC-EX)	2	2010-07-23
GERAT KOMPLETT	15G 9.1/1	G1	2003-01-28
GERAT KOMPLETT	15G 7.1/1	G1	2003-01-28
GERAT KOMPLETT STUCKLISTE	15G 3.1/1	G3	2006-12-05
LESEKOPF	15D 7.1/1	01	1996-06-10
BATTERIEBLOCK 'EX'	15H 7.1/1	B1	1998-01-28
BATTERIEBLOCK 'EX' STUCKLISTE	15H 3.1/1	B1	1998-01-28
ANALOGPRINT PM20A16	16B 1.1/1	A16	2006-01-09
ANALOGPRINT PM20A16	16B 2.1/1	A16	2006-01-09
ANALOGPRINT PM20A16 STUCKLISTE	16B 3.1/1	A16	2006-01-09
ANALOGPRINT LAYOUT BAUTEILSEITE M2:1 PM20A150	G16B 4.1/1	1	2002-01-08
ANALOGPRINT LAYOUT LOTSEITE M2:1 PM20A150	G16B 5.1/1	1	2002-01-08
DIGITALPRINT PM20D16X	16C 1.1/1	D16	2006-12-07
DIGITALPRINT PM20D16X	16C 2.1/1	D16	2006-12-07
DIGITALPRINT PM20D16X STUCKLISTE	16C 3.1/1	D16	2006-12-05
DIGITALPRINT LAYOUT BAUTEILSEITE M2:1 PM20D140	16C 4.1/1	1	2003-09-25
DIGITALPRINT LAYOUT LOTSEITE M2:1 PM20D140	16C 5.1/1	1	2003-09-25
KOMFMODUL VERSION KOPFV12X	16K 1.1/1	V12X	2006-12-05
KOMFMODUL VERSION KOPFV12X	16K 2.1/1	V12X	2006-12-05
KOMFMODUL VERSION KOPFV12X STUCKLISTE	16K 3.1/1	V12X	2006-12-05
INDUCTIVE BAUTEILE	15J 1.1/2	I1	1998-01-28
INDUCTIVE BAUTEILE	15J 1.2/2	I1	1998-01-28
DAU-ESCORTE-EX INTRINSIC LABELLING	DAU-ESC-EX-ATEX	3	2007-10-30