



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX EXV 21.0045** Page 1 of 4 [Certificate history:](#)
Issue 0 (2021-10-19)

Status: **Current** Issue No: 1

Date of Issue: 2022-02-17

Applicant: **Sundström Safety AB**
Västergatan 4
SE-341 50 Lagan
SWEDEN
Sweden

Equipment: **SR 500 EX-System, battery-powered fan unit**

Optional accessory:

Type of Protection: **Intrinsic safety**

Marking: Ex ib IIB/IIA T3 Gb Tamb -10°C to +40°C
Ex ib IIIC T195 °C Db

Approved for issue on behalf of the IECEx
Certification Body:

Sean Clarke CEng MSc FIET

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

ExVeritas Limited
Units 16-18 Abenbury Way
Wrexham Ind. Est.
Wrexham LL 139UZ
United Kingdom





IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0045**

Page 2 of 4

Date of issue: 2022-02-17

Issue No: 1

Manufacturer: **Sundström Safety AB**
Västergatan 4
SE-341 50 Lagan
SWEDEN
Sweden

Manufacturing
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[GB/EXV/ExTR21.0066/00](#)

Quality Assessment Report:

[GB/EXV/QAR22.0002/00](#)



IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0045**

Page 3 of 4

Date of issue: 2022-02-17

Issue No: 1

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

SR 500 EX-System, battery-powered fan unit

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No.: **IECEX EXV 21.0045**

Page 4 of 4

Date of issue: 2022-02-17

Issue No: 1

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

This new issue of the certificate is issued to show that the ExCB responsible for the QAR has now been changed. The QAR number has been updated for GB/EXV/QAR22.0002/00.

Annex:

[IECEX Certificate Annex Template.pdf](#)

Description Continued:

Battery powered portable fan SR 500 EX with battery pack SR 501EX and battery charger SR 513EX for use in non-classified locations. The fan unit comes with a range of accessories such as belt for attachment to the body, filters, protective covers, hoses, hoods, face shield and masks.

Fan unit (EX) SR 500 EX
 Belt (Cotton EX) SR 508 EX
 Belt (Leather EX) SR 504 EX
 Belt (Rubber EX) SR 503 EX
 Battery EX SR 501 EX
 Belt (PVC EX) T06-2151
 Battery charger EX SR 513 EX _____ For use in non classified locations
 Pre-filter holder EX SR 512 EX
 Steel net disc SR 336
 Pre-filter SR 221
 Particle filter P3 R SR 510
 Gas filter A2 SR 518
 Gas filter ABE1 SR 515
 Gas filter A1BE2K1 SR 597
 Particle filter adapter SR 511
 Hood SR 520 S/M
 Hood SR 520 M/L
 Hood SR 530
 Gas filter A1BE2K1-Hg-P3 R SR 599
 Face shield SR 540 EX _____ For gas group IIA
 Hood SR 561
 Alternative visor SR 545
 Full face mask glass visor SR 200
 Full-face mask PC-visor SR 200 _____ For gas group IIA
 Breathing hose PU SR 550
 Breathing hose rubber SR 551
 Laminated glass visor SR 365
 Hood SR 562
 Spectacle frame SR 341
 Head harness (Rubber) SR 340
 Name label SR 368
 Protective hood SR 64
 Chemical hood SR 345
 Pre-filter holder SR 5153
 Pre-filter holder R01-0605
 Particle filter P3 R SR 710
 Helmet with visor SR 580 _____ For gas group IIA
 Harness EX SR 552 E
 Face shield SR 570
 Hoods SR 600

Routine Tests:

1. None.

Manufacturer's Documents (Issue 0)

Title:	Drawing No.:	Rev. Level:	Date:
SR 500 EX Fan unit.PDF	A06-0007-EX	Rev1.0	2020-10-01
Pre-filter holder EX.PDF	B06-0126-EX	Rev1.0	2020-10-01
Front cover assembly.PDF	B06-0701-EX	Rev1.0	2020-10-01
Back cover assembly.PDF	B06-0702-EX	Rev1.0	2020-10-01
Encapsulated motorboard.PDF	B06-0705-EX	Rev1.0	2020-10-01
Motor board.PDF	B06-0706-EX	Rev1.0	2020-10-01
Standard belt EX.PDF	U06-2148-EX	Rev1.0	2020-10-01
Optional belts EX.PDF	U06-2149-EX	Rev1.0	2020-10-01
Bill of materials "main board"	BOM-U06-2002-EX	RevC	2020/09/03
Mainboard PCB	PCB-U06-2002-EX	revB1	2020-06-10
Mainboard Schematic	SCH-U06-2002-EX	revC	2020-05-14
SR 500 EX Motor board	BOM-U06-2001-EX	Rev D	2020/09/03
SR 500 EX Motor Board PCB	PCB-U06-2001-EX	Rev C1	2020-06-09
SR 500 EX Motor board schematic	SCH-U06-2001-EX	Rev D	2020-05-14
Current limiter board BOM	BOM-U06-2003-EX	Rev K	2020/09/03
Current limiter PCB	PCB-U06-2003-EX	revI	2020-06-10
Current limiter Schematic	SCH-U06-2003-EX	revK	2020-05-14
Display board Bill of materials	BOM-U06-2007-EX	RevA	2020/06/09
Display board PCB	PCB-U06-2007-EX	RevA	08.25.06
Display board schematic	SCH-U06-2007-EX	RevA	29.08.06
Battery bill of materials	BOM-R06-2002-EX	RevE	25/09/2020
Battery schematic	SCH-R06-2002-EX	Rev E	2020-06-08
SR 501 Battery EX	U06-2009-EX Battery EX	Rev1.0	2020-10-05
Label marking SR 500 EX	KSP-L62-2001-EX	Rev2.0	2021-09-20
Label marking SR 501 Battery EX	KSP-L62-2002-EX	Rev2.0	2021-09-20
SR 552 Harness EX	A06-0020-EX	Rev1.0	2020-10-05
SR 520 Hoods	A06-0003-EX	Rev1.0	2020-10-05
SR 530 Hood	A06-0004-EX	Rev1.0	2020-10-05
SR 540 EX Face shield	A06-0102-EX	Rev1.0	2020-10-05
SR 561 Hood	A06-0012-EX	Rev1.0	2020-10-05
SR 562 Hood	A06-0013-EX	Rev1.0	2020-10-05
SR 580 Helmet with visor	A06-0015-EX	Rev2.0	2021-03-24
SR 200 Full face mask	A01-0007-EX	Rev1.0	2020-10-05
SR 550-551 Breathing hoses	A06-0005-EX	Rev1.0	2020-10-05
SR 570 Face shield	A06-0024-EX	Rev1.0	2020-10-05
SR 570 Face shield accessories	A06-0033-EX	Rev1.0	2020-10-05
SR 600 Hoods	A06-0030-EX	Rev1.0	2020-10-05
Schedule drawings	DOC-D1-0083	Rev3.0	2021-09-23