



1) EU-TYPE EXAMINATION CERTIFICATE

- 2) Equipment or protective system intended for use in potentially explosive atmospheres — Directive 2014/34/EU
- 3) EU-Type Examination Certificate Number : **SCA22ATEX141X**
- 4) Equipment or Protective System : **EX ROVR Charging Station 2.0**, TYPES: **ER20CS**
- 5) Manufacturer : **Mitsubishi Heavy Industries, Ltd.**
- 6) Manufacturer Address : 1-1, Wadasaki-cho, 1-chome, Hyogo-ku, Kobe, 652-8585 Hyogo/JAPAN
- 7) This equipment or protective system and/or any acceptable variation there to is specified in the schedule to this certificate and the documents therein referred to.
- 8) SCA Belgelendirme ve Ozel Egt. Hizm. Ltd. Sti. Notified Body number 2336 in accordance with the Council Directive 2014/34/EU, 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 2014/34/EU.

* The examination and test results are recorded in the confidential report B/2022-01-016/Rp.12
- 9) Essential Health and Safety Requirements is made about reference standard.

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-2:2014, EN 60079-7:2015/A1:2018, EN 60079-11:2012, EN 60079-18:2015/A1:2017
- 10) If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions of safe use specified in the schedule to this certificate.
- 11) This EU-Type examination certificate relates only to the design and construction of the specified equipment or protective equipment in the scope of 2014/34/EU. Future requirements of the Directive applies to the production process and the provision of equipment or protective system. These are not discussed in this certificate.
- 12) Marking of the equipment or protective system must include the following :



II 2G Ex db eb ib mb [pxb Gb] IIB+H₂ T3 Gb

The competent person
SCA Technical Manager
ismail OĞLAKCIOĞLU



Date of Approval : 11.04.2022

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This Certificate May Only Be Reproduced In Its Entirety And Without Change



13) SCHEDULE

14) EU-Type Examination Certificate : SCA22ATEX141X

15) Description of Equipment and/or Protective System:

EX ROVR Charging Station 2.0 is an explosion-proof device developed for non-contact power supply of an explosion-proof mobility in Zone 1, and is equipped with an interlock-controlled purging gas and protective gas supply system. It is mainly composed of a controller and a coil case protected by flameproof enclosure and is equipped with peripheral devices such as intrinsically safe pressure switches.

Technical Parameters

Full load current : 5A (SCCR 1.5 kA)
Rated Voltage (U_m) : Single phase 200 VAC to 240 VAC
Rated Frequency : 50/60 Hz
Minimum overpressure: 3 kPa
Protective gas : Dry air
Min. purge duration : 12 min
Air supply pressure : 0.4 MPa to 0.7 MPa
Ambient temperature : -20°C to 40°C

Ex Equipment List

Equipment	Manufacturer	Ex Marking	Certificate No
Explosion-proof junction box	BARTEC	Ex II 2G Ex db IIB+H ₂ T3 Gb	INERIS13ATEX0058X
Control panel switches	BARTEC	Ex II 2G Ex db IIB+H ₂ Gb	INERIS13ATEX9016U
Coil case	Mitsubishi Heavy Industries, Ltd.	Ex II 2G Ex db IIB+H ₂ T4 Gb	TPS21ATEX0352100004X
Enhanced safety, encapsulated explosion-proof solenoid	ASCO	Ex II 2G Ex e mb IIC T4 Gb	LCIE12ATEX3005X
Simalube auto grease and oil lubricator	Simatec	Ex II 1G Ex ia IIC T6 Ga	KEMA09ATEX0098
Isolated switch amplifier	Pepperl+Fuchs SE	Ex II 3(1)G Ex nA [ia Ga] IIC T4 Gc	EXA16ATEX0016X
Limit switch	BARTEC	Ex II 2G Ex db IIC T6 Gb	EPS17ATEX1122X

16) Test and Assessment Report B/2022-01-016/Rp.12

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CONTINUATION OF SCHEDULE TO EU TYPE EXAMINATION CERTIFICATE SCA22ATEX141X

17) Special Conditions for Safe Use (X):

-The coil case's window cannot be replaced, repaired or maintained by the end-user in case of damage. The manufacturer shall be involved for any replacement, repair or maintenance.

Notes for manufacturing and operation

Verify performance and safety related devices which detects minimum overpressure in accordance with clause 17.1 of EN 60079-2:2014.

18) Essential Health and safety Requirements :

Met by compliance with the standards listed in Section 9 of this certificate.

19) Drawing and Documents :

Technical file T049S-202204-02 dated 25.03.2022 includes drawings, safety, maintenance and mounting instructions.

Drawing No:	Title	Rev.	Page	Date
L5-59EU018	EX ROVR 2 nd generation "ASCENT" Purging process Truth Table and Functional Sequence Diagram	1	5	17.03.2022
L5-59EU065	EX ROVR 2 nd generation "ASCENT" Drawings of EX ROVR Charging Station ER20CS	2	7	14.03.2022
L5-59EU807	EX ROVR 2 nd generation "ASCENT" EX ROVR System Diagram	2	3	01.12.2021
L5-59EU809	EX ROVR 2 nd generation "ASCENT" Intrinsically Safe Apparatus of Charging Station 2.0	0	25	16.03.2022
L9-85XY412	EX ROVR 2 nd generation "ASCENT" General EX ROVR Charging Station 2.0 Nameplate	0	1	16.03.2022
L9-85XY417	EX ROVR 2 nd generation "ASCENT" Charging Station Pneumatics Panel Outline	3	4	11.03.2022
L9-85XY418	EX ROVR 2 nd generation "ASCENT" Charging Station Piping System Diagram	3	4	11.03.2022
L9-85XY502	EX ROVR 2 nd generation "ASCENT" Charging Station Pressure Switch Outline	0	1	14.03.2022

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