



Certificate of Compliance

Certificate: 80007034

Master Contract: 204623

Project: 80066736

Date Issued: May 05, 2021

Issued to: SKF France
204 Boulevard Charles de Gaulle
37540 Saint Cyr sur Loire
France

Attention: Stephane Moisy

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by:

Oong Lee

PRODUCTS

CLASS 2258 02 - PROCESS CONTROL EQUIPMENT - For Hazardous Locations

Ex ib IIC T4 Gb
-20 °C ≤ Ta ≤ +60 °C

CMDT 391-Ex Sensor with accessories: CMAC 8010-Ex IEPE Cable and CMAC 8007 IS charging cable.

CLASS 2258 82 PROCESS CONTROL EQUIPMENT - Systems-For Hazardous Locations-Certified to U.S. Standards

Class I, Zone 1, AEx ib IIC T4 Gb
-20 °C ≤ Ta ≤ +60 °C

CMDT 391-Ex Sensor with accessories: CMAC 8010-Ex IEPE Cable and CMAC 8007 IS charging cable.



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Entity Parameters:

Maximum permitted voltage to the charger U_m : 250 V

The CMAC 8010-Ex, IEPE Cable has the following hazardous area entity parameters at the IEPE cable connector.

U_o : 23.1 V
 C_o : 0.14 μ F
 I_o : 85.47 mA
 P_o : 12 mW
 L_o : 1.48 mH
 L_o/R_o : 72.03 μ H/ Ω
 C_i : 0
 L_i : 0

Conditions of Acceptability:

- i. Charging is only permitted in the non-hazardous location and at the ambient temperature of 0 °C - 40 °C.
- ii. The socket can only be connected to the CMAC 8007, CMDT 391-Ex EX Power Adapter for charging in the non-hazardous area.
- iii. The equipment can optionally be marked Class I, Division 2, Group A, B, C, D, T4 based its approval as 'Ex ib' intrinsically safe equipment. The application / equipment installation shall therefore take into account intrinsic safety requirements and parameters when used in Division 2.

APPLICABLE REQUIREMENTS

| | |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| CAN/CSA C22.2 No. 60079-0:19 | Explosive atmospheres – Part 0: Equipment – General requirements |
| CAN/CSA C22.2 No. 60079-11:14 | Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i” |
| CAN/CSA C22.2 No. 61010-1-12 | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements |
| UPD1:2015, UPD2:2016, AMD1:2018 | |
| ANSI/UL 60079-0: 2019 <i>Seventh Edition</i> | Explosive atmospheres – Part 0: Equipment – General requirements |
| ANSI/UL 60079-11:2013 <i>Sixth Edition</i> | Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety “i” |
| ANSI/UL No. 61010-1-2018 <i>Third Edition</i> | Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – Part 1: General Requirements |



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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

- Manufacturer's name: "SKF (U.K.) Limited", or CSA Master Contract Number "204623", adjacent to the CSA Mark in lieu of manufacturer's name.
- Model designation: As specified in the PRODUCTS section, above.
- Electrical ratings: As specified in the PRODUCTS section, above.
- Ambient temperature rating: As specified in the PRODUCTS section, above.
- Manufacturing date in MMY format, or serial number, traceable to year and month of manufacture.
- The CSA Mark, as shown on the Certificate of Conformity.
- The designation "CSA19CA80007034"
- Method of Protection (Ex) designation: "Ex ib IIC T4 Gb" and "Class I, Zone 1, AEx ib IIC T4 Gb"
- Temperature code: As specified in the PRODUCTS section, above.
- The words "INTRINSICALLY SAFE" or "IS" or "I.S" along with the Division marking.
- The following optional markings may be used: "IS Class I, Div. 2, Group A, B, C, D, T4". If division marking is used, the equivalent division parameters shall be included in the entity parameters marking.