



Certificate of Compliance

Certificate:	80147523	Master Contract:	215069
Project:	80249342	Date Issued:	2025-09-04
Issued to:	Endress+Hauser SICK GmbH+Co. KG Bergener Ring 27 Ottendorf-Okrilla, Saxony 01458 Germany	Issued by:	<i>Awais Hameed</i> Awais Hameed
	Attention: Sven-Matthias Scheibe		

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.



PRODUCTS

Class 2258 04 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

Class 2258 84 PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

CLASS 2258 – 04: PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations

CLASS 2258 – 84: PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations - Certified to US Standards

Model(s)

Bluetooth Dongle, Model CDBT100



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Class I, Division 1, Group A, B, C, and D, T4

Ex ia IIC T4 Ga

Class I, Zone 0, AEx ia IIC T4 Ga

Bluetooth Dongle, Model CDBT100, rated 3.3 Vdc, 13 mA, $-40\text{ }^{\circ}\text{C} \leq T_a \leq +70\text{ }^{\circ}\text{C}$, Bluetooth, intrinsically safe when installed per drawing number 9385134.

Conditions of Acceptability / Specific Conditions of Use:

- Apparatus shall be supplied by ES1/PS1.
- Functional safety of the apparatus and external wiring was not part of this investigation.
- Apparatus is not an outdoor equipment.
- Apparatus is allowed to be used in Class I groups A or B or C and D depending on the entity parameters of the intrinsically safe circuit connected to M12 plug.
- Apparatus is designated for use in ambient temperature range from $-40\text{ }^{\circ}\text{C}$ to $+70\text{ }^{\circ}\text{C}$.
- Temperature at the point of connection of M12 plug shall not exceed allowed ambient temperature range.
- The resistance of M12 connector metallic collar to earth shall not exceed $1\text{ G}\Omega$ measured at $(500 \pm 25)\text{ Vdc}$, when installed onto the host devices.
- Plastic parts of the electronics enclosure: Under certain extreme circumstances, in Gas Group IIC, exposed plastic and unearthed metal parts of the enclosure may store an ignition-capable level of electrostatic charge. Therefore, the user / installer shall implement precautions to prevent the buildup of electrostatic charge, e. g. locate the equipment where a charge-generating mechanism (such as wind-blown dust) is unlikely to be present and to clean the equipment with a damp cloth.
- Apparatus's enclosure is not type rated and may affect the Type Rating of the host equipment to which it is connected. It is required to confirm the Type Rating when Bluetooth Dongle is installed at the connector of the host equipment.

APPLICABLE REQUIREMENTS

CSA C22.2 No. 60079-0:19 - Fourth Edition - Explosive atmospheres — Part 0: Equipment — General requirements

CAN/CSA-C22.2 No. 60079-11:14 (R2018) - Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety "i"

CSA C22.2 No. 62368-1:19 - Third Edition - Audio/video, information and communication technology equipment — Part 1: Safety requirements

UL 62368-1:2019 - Third Edition - Including revisions through October 22, 2021 - UL Standard for Safety Audio/video, information and communication technology equipment – Part 1: Safety requirements

ANSI/UL 60079-0 (Seventh Edition; Reprint with Revisions Through and Including APRIL 15, 2020) - UL Standard for Safety Explosive atmospheres – Part 0: Equipment – General requirements

ANSI/UL 60079-11 (Sixth Edition; Reprint with Revisions Through and Including September 14, 2018) - UL Standard for Safety Explosive Atmospheres – Part 11: Equipment Protection by Intrinsic Safety "i"

Markings

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.



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- 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.

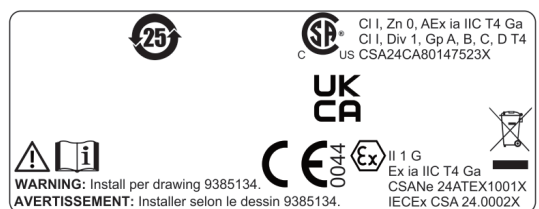
Marking is laser engraved directly on the enclosure.

The marking contains the following:

- The CSA Mark, as shown on the Certificate of Conformity.
- Manufacturers name: Endress+Hauser SICK GmbH+Co. KG, or CSA Master Contract Number: 215069, adjacent to the CSA Mark in lieu of manufacturer's name
- Model designation: As specified in the PRODUCTS section, above.
- Serial number
- Certificate number: CSA24CA80147523X, where X indicates that specific conditions of safe use are applicable
- Hazardous Location designation: As specified in the PRODUCTS section, above. The word "Class" may be abbreviated "CL", the word "Division" may be abbreviated "DIV", and the word "Groups" may be abbreviated "GRP" or "GP".
- Method of Protection markings (AEx and Ex – markings): As specified in the PRODUCTS section, above. The word "Class" may be abbreviated "CL", the word "Zone" may be abbreviated "ZN".
- Temperature code: As specified in the PRODUCTS section, above.
- The following words:
 - "Install per drawing 9385134."

Marking labels:

Left side of enclosure:





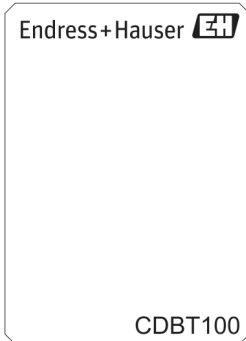
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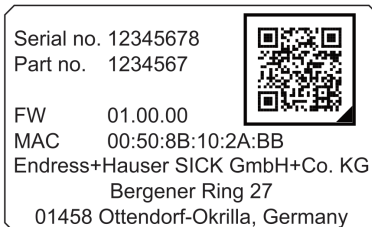
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Front side of enclosure:



Top of enclosure:



NOTE: marking code may include Class I, Groups A, B, or C or D. Marking of different groups is commercial only, and is based on evaluation for group A and B.



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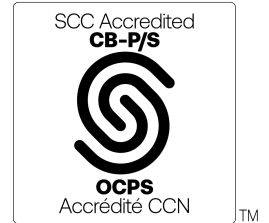
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Notes:

Products certified under Class(es) C225804, C225884 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80249342	2025-09-04	Update to Report 80147523 to assess the following modification: 1. Change of applicant/manufacture name from SICK Engineering GmbH to Endress+Hauser SICK GmbH+Co. KG 2. Editorial corrections to Label detail and drawing numbers.
80147523	2024-02-05	Original cCSAus Certification of Bluetooth Dongle, Model CDBT100, according to CSA/UL 60079-0 and CSA/UL 60079-11, based on IECEx evaluation in CSA project number 80147526