



# Certificate of Compliance

**Certificate:** 1862457

**Master Contract:** 180267

**Project:** 80110613

**Date Issued:** October 27, 2023

**Issued to:** Bartec GmbH  
Max-Eyth-Str 16  
Bad Mergentheim, Baden-Württemberg 97980  
Germany  
Attention: Mr. Ulrich Mann

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** *Doug Hawkes*

Doug Hawkes

## PRODUCTS

**Class 2872 01 - HEATERS - Cable and Cable Sets**

**Class 2872 81 - HEATERS - Cable and Cable Sets - Certified to US Standards**

**Class 2878 01 - HEATERS - Cable and Cable Sets - For Hazardous Locations**

**Class 2878 81 - HEATERS - Cable and Cable Sets - For Hazardous Locations - Certified to US Standards**

Trace Heating Systems/Sets comprised of the heating cables and kits listed below.

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**Class 2872 01 - HEATERS - Cable and Cable Sets**  
**Class 2872 81 - HEATERS - Cable and Cable Sets - Certified to US Standards**

**Ordinary Locations:**

Self-Regulating Trace Heating Systems, for Pipe and vessel tracing usages/applications, "-G " and "-W"

Series / Cat No.	Voltage (max. circuit size, A)	W/FT @ 50F/ @ 10°C (W/m)	Maximum Withstand Temp. °C (min. install. temp., °C)	Kits; Power connection and End Termination
07-5807-****  ST	120-240 (16)	3 - 10  (10 - 30)	85  (-20)	<b>Heat Shrink Power Termination/In-line Splice Sets</b> 27-59HO-2***/**** (PSK-S-A, TSK-S-A)

07-5853-**** PSB FT	120-277 (24)	3 - 10  (10 - 33)	85  (-20)	<b>Heat Shrink Power Termination/In-line Splice Sets</b> 27-59HZ-3***/**** (PSK-F-A, TSK-F-A)
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Self-Regulating Trace Heating Systems, for Pipe and vessel tracing applications, "-G " and "-WS"

Series / Cat No.	Voltage (max. circuit size, A)	W/FT @ 50F/ @ 10°C (W/m)	Maximum Withstand Temp. °C (min. install. temp., °C)	Kits; Power connection and End Termination
07-5807-****  ST	120-240 (16A)	3 - 10  (10 - 30)	85  (-40)  (-20)	<b>Power Termination Sets</b> 27-59CO-2***/00** (Cat Nos. CAK)  27-59HO-2***/00** (Cat Nos. HSK)

07-5853-**** PSB FT	120-277 (32A)  120-240 (16A)	3 - 10  (10 - 33)	85  (-40)  (-20)  (-40)	<b>Power Termination Sets</b> 27-59CO-3***/00** (Cat. Nos. CAK)  27-59HO-3***/00** (Cat. Nos. HSK); <b>Power Termination/In-line Splice/End Termination Set</b> <b>Twisto Sets</b> 27-56N*-DC**/****
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				(Cat. Nos. Twisto/N-B)
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07-5854-**** MSB MT	120-277 (32A)	3 - 20  (10 – 60)	130  (-40)  (-40)	<b>Power Termination Sets</b> 27-59CO-5****/00** (Cat. Nos. CAK);  27-59HO-5****/00** (Cat. Nos. HSK);
07-5803-**** HSB PT	120-240 (32A)	3 - 20  (10 – 60)	200  (-40)  (-40)	<b>Power Termination Sets</b> 27-59CO-5****/00**, (Cat. Nos. CAK);  27-59HO-5****/00** (Cat. Nos. HSK);

**Class 2878 01 - HEATERS - Cable and Cable Sets - For Hazardous Locations**

**Class 2878 81 - HEATERS - Cable and Cable Sets - For Hazardous Locations - Certified to US Standards**

**Hazardous Locations:**

**Class I, Div. 2, Groups A, B, C, D; Class II, Div. 2, Groups E, F, G; Class III**

Self-Regulating Trace Heating Systems, for Pipe and vessel tracing usages/applications, "-G " and "-W"

Series / Cat No.	Voltage (max. circuit size, A)	W/FT @ 50F/ @10°C (W/m)	Maximum Withstand Temp. °C / T- code (min. install. temp., °C)	Kits; Power connection and End Termination
07-5853-**** PSB	120-277 (24A)	3 - 10  (10 – 33)	85 / T6 to T5 (-20)	<b>Heat Shrink Power Termination/In-line Splice Sets</b> 27-59HZ-3****/**** (TSK-F-A)

Self-Regulating Trace Heating Systems, for Pipe and vessel tracing applications, "-G " and "-WS"

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Series / Cat No.	Voltage	W/FT @ 50F/ @10°C (W/m)	Maximum Withstand Temperature °C / T-code (min. install. temp., °C)	Kits; Power connection and End Termination
07-5853-**** PSB	120-277 (32A)	3 - 10  (10 – 33)	85 / T6 to T5  (-40)  (-40)	<b>Power Termination Sets</b> 27-59CZ-3****/00** 27-59CZ-7****/00** 27-59CZ-9****/00** (Cat. Nos. CAK)  27-59HZ-3****/00** (Cat. Nos. HSK) <b>Enclosure Sets</b> 27-54P1-4****/**** 27-54P2-4****/****, 27-5461-4****/**** 27-5462-4****/**** (Cat. Nos. PBS, PBM) <b>Lighted End Termination</b> 27-54E1-4****/**** 27-54E2-4****/**** (Cat. No. ELL)
07-5854-**** MSB	120-277 (32A)	3 - 20  (10 – 60)	130 / T4 to T3  (-40)  (-40)	<b>Power Termination Sets</b> 27-59CZ-5****/00** 27-59CZ-7****/00** 27-59CZ-9****/00** (Cat. Nos. CAK)  27-59HZ-5****/00** (Cat. Nos. HSK) <b>Enclosure Sets</b> 27-54P1-4****/**** 27-54P2-4****/**** 27-5461-4****/**** 27-5462-4****/**** (Cat. Nos. PBS, PBM) <b>Lighted End Termination Sets</b> 27-54E1-4****/**** 27-54E2-4****/**** (Cat. No ELL)
07-5803-**** HSB	120-240 (32A)	3 - 20  (10 – 60)	200 / T4 to T3  (-40)	<b>Power Termination Sets</b> 27-59CZ-5****/00** 27-59CZ-7****/00** 27-59CZ-9****/00** (Cat. Nos. CAK)  27-59HZ-5****/00**

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			(-40)	(Cat. Nos. HSK) <b>Enclosure Sets</b> 27-54P1-4***/* 27-54P2-4***/* 27-5461-4***/* 27-5462-4***/*
			(-40)	(Cat. Nos. PBS, PBM) <b>Lighted End Termination Sets</b> 27-54E1-4***/* 27-54E2-4***/*
			(-40)	(Cat. No ELL)

Notes:

1. Installation in accordance with the Canadian Electrical Code Part I (CEC Part I) or National Electrical Code (NEC) as applicable.
2. Ordinary Locations Heating Cable Sets, using Type FT15, heating cables are also suitable for roof and gutter applications with restrictions (the power output shall be such that the maximum sheath temperature of the heating cable does not exceed the maximum exposure temperature of any material that the sheath may come into contact with when installed).
3. Installations using the following NPT 1/2" cable glands kits CAK or HSK in ordinary locations use a Certified enclosure – see Installation Instructions.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No 130-16	-	Requirements for Resistance Heating Cables and Heating Device Sets (updates 1 and 2)
IEEE 515.1-2012	-	Standard for Testing, Design, Installation, and Maintenance of Electrical Resistance Heat Tracing for Commercial Applications
IEEE 515 –2017	-	Standard for Testing, Design, Installation, and Maintenance of Electrical Resistance Heat Tracing for Industrial Applications
CAN/CSA C22.2 No. 60079-30-1:17	-	Explosive atmospheres — Part 30-1: Electrical resistance trace heating — General and testing requirements
IEC/IEEE 60079-30-1 (Ed. 1, 2015)	-	Explosive atmospheres – Part 30-1: Electrical resistance trace heating – General and testing requirements



## *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**

<b>Project</b>	<b>Date</b>	<b>Description</b>
80110613	2023-10-27	Revised documents, TWISTO (alternate alloy), add materials for insulation and over-jacket (PSB, MSB, HSB, correction of braid coverage, minor dimension modification of PSB, MSB, HSB.
80029031	2020-11-02	Update to the requirements of CSA Std. C22.2 No. 130-16 (CSA Notice, Wiring Devices No. 111).
70166329	2017-12-7	Addition of alternate PSB junction box construction (PBS-200-A/A10).
70099441	2016-09-30	Addition of "DESTU" stand-off in kits.
70046426	2016-05-19	Addition of "TWISTO" kits.
70054898	2015-12-31	Consolidation of report 1997433 into this report, and clarification of nomenclature.
2006141	2009-01-22	Addition of 4X for enclosures.
1935215	2008-02-26	Addition of "C/US".
1862457	2007-07-17	Original Certification.