Certificate of Compliance

Certificate:	80108529	**Master Contract:**	213842
Project:	80108529	**Date Issued:**	2022-09-12

Issued To: **UWT GmbH**
Westendstrasse 5
Betzigau, Bavaria, 87488
Germany

Attention: Bernhard Schönmetzler

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: *Konstantin Rybalko*
Konstantin Rybalko

C US

PRODUCTS

CLASS - 2252-06 – PROCESS CONTROL EQUIPMENT
CLASS - 2252 86 - PROCESS CONTROL EQUIPMENT – Certified to US Standards

Level switches series Capanivo CN 71xx consisting of a probe, a process connection and a connection housing Ø 65 mm or Ø 35 mm. Rated 9 to 33 V dc, 0.7 W (version 8/16 mA / DC-Relay) or 10 to 30 V dc (version IO-Link / PNP).
Working ambient temperature range: -40°C ≤ Ta ≤+85°C; Maximum process temperature range: -40°C ≤ Ta ≤+125°C *
Type 4X, IP68

* for variants with FFKM O-ring:
The lower limit of the temperature range (ambient temperature and process temperature) is limited to -20 °C.

Electrical Ratings:
8/16 mA / DC Relay version: 9 to 33 V dc, 0.7 W;
IO-Link / PNP version: 10 to 30 V dc, 55 mA max.

Relay contacts: 60 V dc or 30 V ac / 35 V dc or 16 V ac (wet locations), 1A, 60 W max.;
IO-Link output: 200 mA (100 mA each) max.

Conditions of Certification:

The equipment shall be supplied by a Class II or limited energy source according to requirements of CAN/CSA-C22.2 No. 61010-1-12 and UL 61010-1 3rd Ed.

CLASS - C2258-04 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations
CLASS - C2258-84 - PROCESS CONTROL EQUIPMENT - Intrinsically Safe, Entity - For Hazardous Locations – Certified to US Standards

Class I, Division 1, Group A, B C & D, T6…T3C;
Class II Division 1, Group E, F & G;
Class III;
Ex ia IIC T6…T3C Ga;
Class I, Zone 0, AEx ia IIC T6…T3C Ga:

Level switches series Capanivo CN 71xx consisting of a probe, a process connection and a connection housing Ø 65 mm or Ø 35 mm.
Working ambient temperature range: -40°C ≤ Ta ≤+85°C; Maximum process temperature range: -40°C ≤ Ta ≤+125°C
Type 4X, IP68

Entity parameters:
Supply Circuit: Ui = 30 V dc, Ii = 160 mA, Pi = 0.8 W, Ci = 7.6 µF, Li = 0.3 mH

For models CN 7120 & CN 7121:
Signal output circuit: Ui = 30 V dc, Ii = 200 mA, Pi = 0.35 W, Ci = 4.2 µF, Li = 0 mH
SSR contact ratings: 30 V dc, 82 mA.

Temperature Codes:

For use ≤ 2000 m above sea level:

Ambient temperature Ta	Process temperature Tp	Temperature class (Group II / Class I)	Surface temperature (Group III / Class II & III)
-40 °C*…+50 °C	-40 C*…+50 °C	T6	T_{200}80°C
-40 °C*…+65 °C	-40 C*…+65 °C	T5	T_{200}95°C
-40 °C*…+85 °C	-40 C*…+100 °C	T4	T_{200}130°C
-40 °C*…+85 °C	-40 C*…+125 °C	T3	T_{200}155°C

* for variants with FFKM O-ring:
The lower limit of the temperature range (ambient temperature and process temperature) is limited to -20 °C.

For use > 2000 m ≤ 3000 m above sea level:

Ambient temperature Ta	Process temperature Tp	Temperature class (Group II / Class I)	Surface temperature (Group III / Class II & III)
-40 °C*…+45 °C	-40 C*…+45 °C	T6	T_{200}80°C
-40 °C*…+58 °C	-40 C*…+58 °C	T5	T_{200}95°C
-40 °C*…+76 °C	-40 C*…+90 °C	T4	T_{200}130°C
-40 °C*…+76 °C	-40 C*…+112 °C	T3	T_{200}155°C

* for variants with FFKM O-ring:
The lower limit of the temperature range (ambient temperature and process temperature) is limited to -20 °C.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No. 61010-1-12 UPD1: 2015, UPD2: 2016, AMD1: 2018	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL Std. No. 61010-1 (3rd Edition) (2012), AMD1: 2018	-	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use - Part 1: General Requirements
CAN/CSA-C22.2 No. 60079-0: Ed. 7 2019	-	Explosive atmospheres – Part 0: Equipment – General requirements
UL 60079-0: Ed. 7 2019	-	UL Standard for Safety Explosive atmospheres – Part 0: Equipment – General requirements – Sixth Edition
CAN/CSA-C22.2 No. 60079-11: Ed. 6 2014	-	Explosive atmospheres – Part 11: Equipment protection by intrinsic safety “i”
UL 60079-11: Ed. 6 2013	-	Explosive Atmospheres – Part 11: Equipment protection by intrinsic safety “i”
CSA C22.2 No. 94.2:20	-	Enclosures for electrical equipment, environmental considerations
UL 50E: 2020	-	Enclosures for Electrical Equipment, Environmental Considerations

Notes:

Products certified under Class 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

Certificate: 80108529 **Master Contract:** 213842

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
80108529	2022-09-12	CSA certification of model series Capanivo CN 71XX Level Limit Switches based on acceptance of IECEx ExTR and T.I.S. project 80046111. Markings: Ex ia IIC T* Ga Class I, Zone 0, AEx ia IIC TX Ga I.S. Class I Div.1 Grp A-D, T*; Class II Grp E-G, Class III -40°C ≤ Ta ≤+85°C Type 4X, IP68 *T-codes (range of T6…T3C) shall be defined based on the applicable process and ambient temperature