Model:ACN1-T1C-080-2BK-076A-1AP1
ACN1-T1C-048-2BK-XXXA-1AX1-XXX,
ACN1-T1C-050-2BK-XXXA-1AX1-XXX,
ACN1-T1C-080-2BK-XXXA-1AX1-XXX,
ACN1-T1C-050-2BK-XXXA-1AX1-U-XXX,
ACN1-T1C-080-2BK-XXXA-1AX1-U-XXX,

Model "U" represents that the terminal is for ultrasonic welding process.
"X" base on ITT talk dog optional item

Technical Specification

28/8/'26

ITT Cannon SZ
ENGINEERING DEPARTMENT
Prepared by Daboy

Confidential

ITT
ENGINEERED FOR LIFE

ITT TALK DOG OPTIOANL ITEM

TYPE DESIGNATION / CONFIGURATOR			
ACN1 - T1B- 048- 2BK- 055A- 1AN1 (EXAMPLE ONLY)			
AC	PRODUCTLINE	AC	AC PRODUCTLINE
N	CERTIFICATION CODE	N	NACS STANDARD
1	GENERATION	1	GENERATION 1
T1	TYPE / JUMPER	T1	TETHERED LEAD MODE 3 CASE C TYPE 1
B	UHF	B	WITH UHF TRANSMITTER 315MHZ (ACQUIESCE)
		C	WITH UHF TRANSMITTER 433MHZ
048	AMPERAGE (3 DIGITS)	048	48A (LEVEL 2 ONLY)
		050	50A (LEVEL 2 ONLY)
		080	80A (LEVEL 2 ONLY)
2	POWERING SYSTEM (CONNECTOR RATING)	2	LEVEL 2 240V AC
BK	COLOR	BK	BLACK (STANDARD)
055	CABLE LENGTH [2]	055	CABLE LENGTH IN 0.1m x XXX. (E.G. 055 = 5.5m)
A	CABLE TYPE	A	STANDARD CABLE
1	CONTACT SYSTEM	1	SLOTTED MALE CONTACTS
A	SEALING	A	IP67
N	TEMPERTURE SENSOR	N	NTC 10K 3435 (ACQUIESCE)
		P	PT1000
1	DUST CAP	1	NO DUST CAP SUPPLIED (STANDARD)
		3	DUST CAP
XXX	MOD CODE	000-999	Modification Code given by engineering; for Standard part number omit this 3 digits

NORTH AMERICAN 48A/80A AC CHARGING CONNECTOR



The North American 48A/50A/80A AC charging connector provides a Level 2 charging solution for North American vehicles

- The connector is available in 3 lengths and can be mechanically fitted to a Level 2 charging system using standard mounting hardware.
- The connector is manufactured with a built-in temperature sensor for over temperature protection.

PERFORMANCE SPECIFICATIONS

- Model Number : ACN1-T1C-080-2BK-076A-1AP1
- Product Type ：Charging Connector Assembly
- Compatibility : Single Phase AC
- Rated Voltage (Nominal)240 V； RF:DC3.3-5V
- Rated Current : 48A / 50A/ 80A； RF:1.5mA
- Power Conductor Connection : Crimpled Method
- Insulation Resistance ≥100 MΩ
- Rated Drop Resistance : 200 drops
- Insertion/Withdrawal Force : <90N
- Flammability Rating : UL94V-0

Drops performed form 1m height onto concrete surface at 22 ° C±8° C



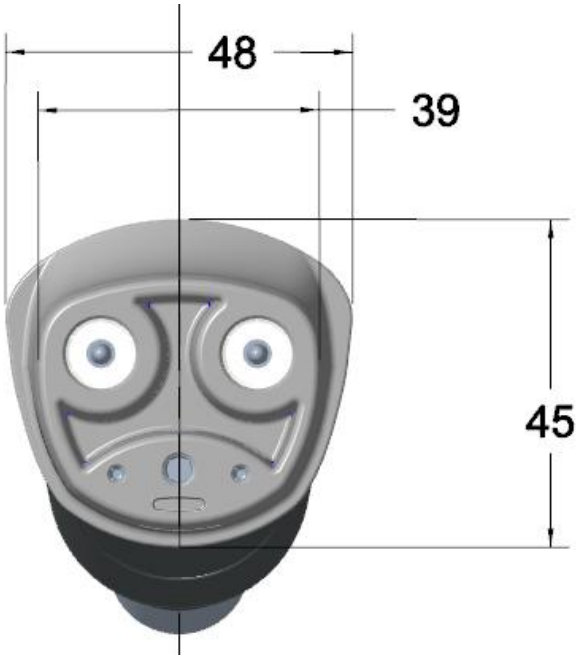


MECHANICAL SPECIFICATIONS

- Dimensions (Overall)： 48mm x 34mm x 196mm
- Cable Diameter ：14.5 mm(48A，50A) /19.0mm(80A)
- Cable Length : 2.6 m, 5.5 m, 7.3 m….
- Connector Enclosure Material ：Polycarbonate
- EVSE L/NTerminal Material ： T2 C11000,plating,plating Ag
- EVSE PE Terminal Material ： Brass H62,plating Ag
- EVSE Signal Terminal Material : Brass H62,plating Ag

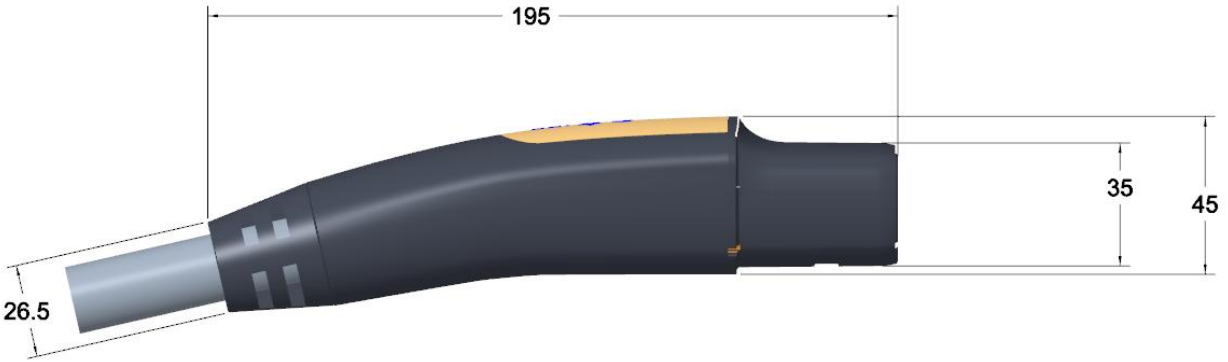
ENVIRONMENTAL SPECIFICATIONS

- Ambient Temperature : –40° C to 50° C (–40° F to 122° F)
- Operating Temperature : -40° C to 105° C (-40° F to 221° F)
- Maximum Elevation : 3,000 m (9,843 ft)
- Operating Humidity Protection Degree : Up to 95% RH, condensing
- Protection degree : IP67
- UV Resistance : per UL746C



ELECTRICAL SPECIFICATIONS

- Temperature Sensor Type : NTC or PT 1000
- Temperature Sensor : NTC 10K 3435 or PT 1000
- UHF transmitter: silicon labs si4010-C2-ATR
- UHF transmitter Frequency: 315MHz



FCC statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1)this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Thanks!