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REVISIONS

REV	DESCRIPTION	DATE	APPROVED
-	PER ECN-211388	04/18/2023	PM 10/18/2023

SINGLE

-EXAMPLE, THERMOCOUPLE (TYP)
 -(INTRINSICALLY SAFE APPARATUS UNDER ENTITY CONCEPT)

ALL CLASSIFICATIONS

-Ex ia IIC Ga
 CLASS I, ZONE 0, AEx ia IIC Ga
 IS CLASS I, DIV 1, GROUP ABCD
 -Ex ic IIC Gc
 CLASS 1, ZONE 2, AEx ic IIC Gc
 -Ex ia IIC Ga

HAZARDOUS (CLASSIFIED) LOCATION (THERMOCOUPLE ASSEMBLIES) (P/N'S 10-4025 THRU 10-4029)	NON-HAZARDOUS (UNCLASSIFIED) LOCATION (ANY APPROVED ASSOCIATED APPARATUS W/ENTITY CONCEPT PARAMETERS)
<p>T/C - (TYP)</p> <p>$V_{max} = 30V$ $I_{max} = 45mA$ $P_i = 0.4W$ $C_i = 1.7nF$ $L_i = 0.26mH$</p>	<p>$V_{oc} < 30V$ $I_o < 45mA$ $P_o < 0.4W$ $C_o > 1.7nF$ $L_o > 0.26mH$</p>

FIGURE 1

DUAL

-EXAMPLE, THERMOCOUPLE (TYP)
 -(INTRINSICALLY SAFE APPARATUS UNDER ENTITY CONCEPT)

ALL CLASSIFICATIONS

-Ex ia IIC Ga
 CLASS I, ZONE 0, AEx ia IIC Ga
 IS CLASS I, DIV 1, GROUP ABCD
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 CLASS 1, ZONE 2, AEx ic IIC Gc
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HAZARDOUS (CLASSIFIED) LOCATION (THERMOCOUPLE ASSEMBLIES) (P/N'S 10-4025 THRU 10-4029)	NON-HAZARDOUS (UNCLASSIFIED) LOCATION (ANY APPROVED ASSOCIATED APPARATUS W/ENTITY CONCEPT PARAMETERS)
<p>T/C - (TYP)</p> <p>$V_{max} = 30V$ $I_{max} = 45mA$ $P_i = 0.4W$ $C_i = 1.7nF$ $L_i = 0.26mH$</p>	<p>$V_{oc} < 30V$ $I_o < 45mA$ $P_o < 0.4W$ $C_o > 1.7nF$ $L_o > 0.26mH$</p>

FIGURE 2

DIMENSIONS AND TOLERANCES PER ASME Y14.5 1992
 DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
 DIMENSIONS IN [] ARE IN mm

TOLERANCES:
 .XX ±.01 .XXX ±.005
 ANGLES ±1/2°
 FILLETS .005 - .040
 RADIUS .005 - .015

125/ FINISH ALL OVER
 DO NOT SCALE DRAWING
 THIRD ANGLE PROJECTION

APPROVALS	DATE
DWN BFM	4/18/2023
CHKD PM	10/18/2023
ENGR PM	10/18/2023
REF: -	

Conax TECHNOLOGIES 2300 WALDEN AVENUE
 BUFFALO, NY 14225

TITLE
**INTRINSIC SAFETY CONTROL DRAWING
 FOR THERMOCOUPLES PNs 10-4025 THRU 10-4029**

PROJECT:	SIZE	CAGE CODE	DWG. NO.	REV.
	C	1CRL3	75-0034	-
SCALE: 2 = 1	SHEET 1 OF 1		FORM C11CRL30713A	

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DWG. NO. 75-0034 SHEET 1 REV. -