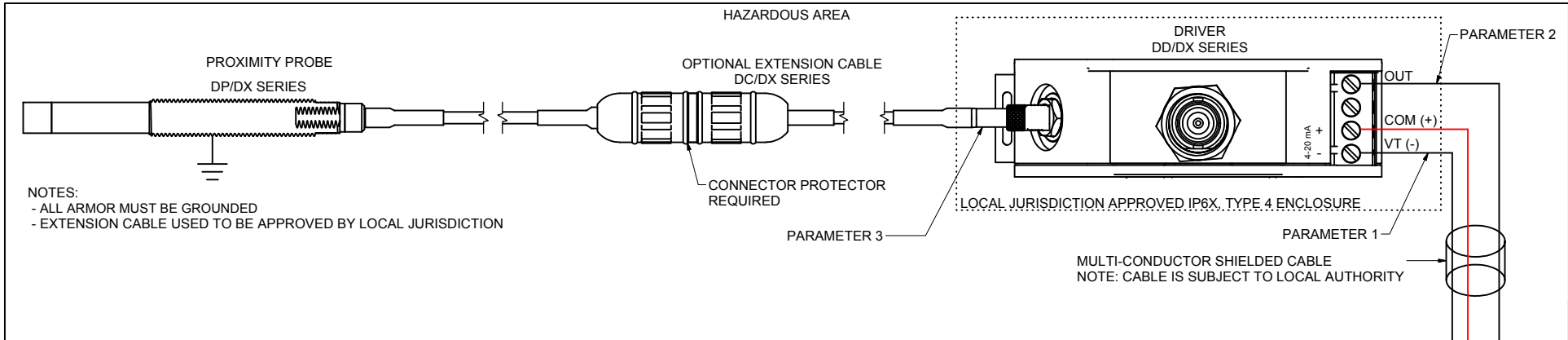


CTC HIGHLY CONFIDENTIAL AND PROPRIETARY INFORMATION

CERTIFIED BY:

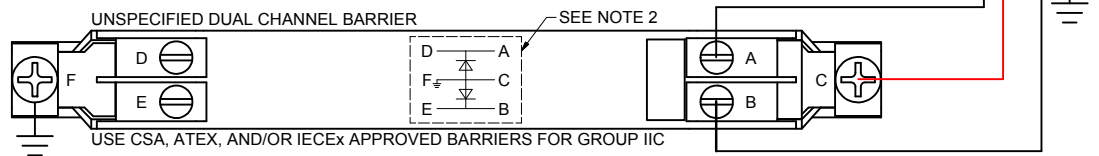


NOTES:
 - ALL ARMOR MUST BE GROUNDED
 - EXTENSION CABLE USED TO BE APPROVED BY LOCAL JURISDICTION

INTRINSICALLY SAFE
 SECURITE INTRINSEQUE
 TEMPERATURE CODE: T4/T5
 T5@Ta = -35°C to +85°C
 T4@Ta = -45°C to +100°C
 CLASS I, DIV 1 GROUPS A,B,C,D T4/T5
 CLASS II, DIV 1 GROUPS E,F,G T4/T5
 CLASS I, ZONE 0 AEx ia IIC T4/T5
 Ex ia IIC T4/T5 Ga
 CLASS I, DIV 2 GROUPS A,B,C,D T4/T5
 CLASS II, DIV 2 GROUPS E,F,G T4/T5
 CLASS III T4/T5




IECEx CSA 16.0017X
 SIRA 16ATEX2048X
 Ex ia IIC T4/T5 Ga
 2XXX (year)
 CTC, Inc.
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 Victor, NY 14564



- NOTES:
- 3 WIRE INSTALLATION SHOWN, FOR USE WITH OR WITHOUT 4-20mA MODELS
 - SEE SAFETY BARRIER MANUFACTURER INSTALLATION MANUAL FOR INFORMATION ON PROPER WIRING OF CABLES TO THE TERMINAL BLOCKS OF THE SAFETY BARRIER
 - A DUAL OR TWO SINGLE CHANNEL IIC BARRIERS CAN BE USED WITH THIS CONFIGURATION
 - WIRE COLOR FOR CLARITY ONLY
 - BNC NOT FOR USE IN HAZARDOUS AREA
 - TYPE 4 IS AN OUTDOOR RATING, IF UNIT IS MOUNTED INDOORS, AN INDOOR RATED TYPE 4 ENCLOSURE APPROPRIATE FOR THE APPLICATION CAN BE USED.

MUST NOT EXCEED		
PARAMETER 1	PARAMETER 2	PARAMETER 3
Ui = 30 VDC	Ui = 30 VDC	Uo = 30 VDC
Ii = 140 mA	Ii = 35 mA	Io = 35 mA
Ci = 50 pF	Ci = 50 pF	Co = 10 nF
Li = 1 mH	Li = 500 uH	Lo = 500 uH
Pi = 757 mW	Pi = 263 mW	Po = 263 mW

REV	DESCRIPTION	ECO#	DESIGNER	ENG APPROVED	DATE	MFG APPROVED	DATE
E	UPDATE Co & Lo FOR PARAMETER 3	PRD10210	JLS	MGS	04/22/2016	CRW	04/22/2016
D	UPDATE PARAMETER 3	PRD10210	JLS	MGS	04/21/2016	CRW	04/21/2016
C	UPDATE PARAMETER 2, FROM 66nF TO 50pF & PARAMETER 3 TO 140mA	PRD10210	JLS	MGS	3/22/2016	CRW	3/22/2016
B	UPDATE PARAMETER 2	PRD10210	JLS	MGS	3/19/2016	CRW	3/19/2016
A	FOR APPROVAL	PRD10210	JLS	MGS	3/18/2016	CRW	3/18/2016



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MATERIAL

N/A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
 TOLERANCES (UNLESS SPECIFIED)
 XXX ± 0.005
 XX ± 0.01
 X ± 0.1
 ANGLE ± 2°
 BREAK ALL SHARP EDGES .010 MAX

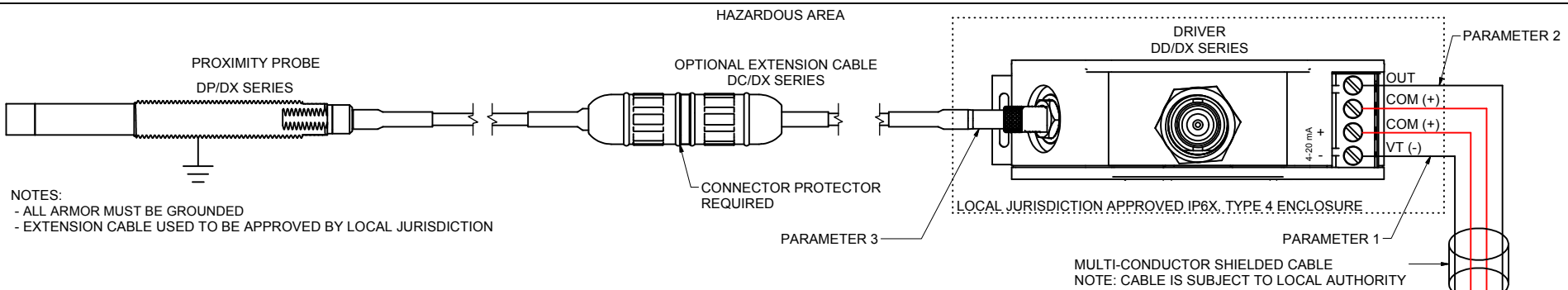
PART #: INS10060

DESCRIPTION: CONTROL DRAWING, PROXIMITY PROBE SYSTEM

SHEET 1 / 2

NOT DRAWN TO SCALE

CERTIFIED BY:

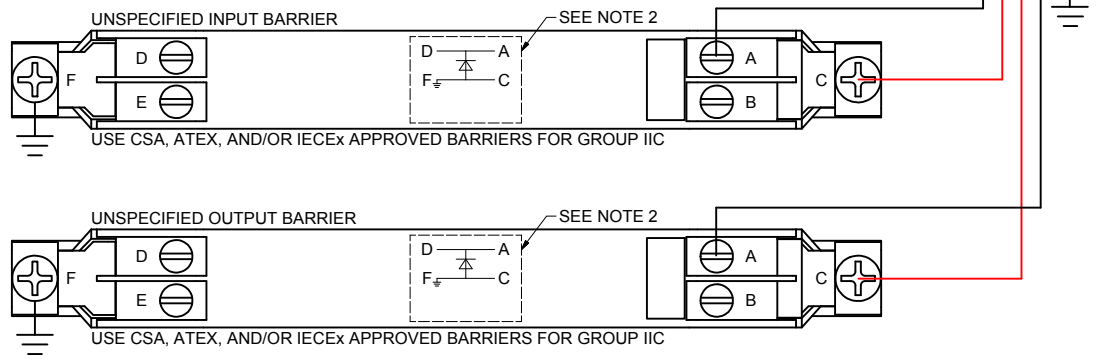


NOTES:
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 - EXTENSION CABLE USED TO BE APPROVED BY LOCAL JURISDICTION

INTRINSICALLY SAFE
 SECURITE INTRINSEQUE
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 CLASS I, ZONE 0 AEx ia IIC T4/T5
 Ex ia IIC T4/T5 Ga
 CLASS I, DIV 2 GROUPS A,B,C,D T4/T5
 CLASS II, DIV 2 GROUPS E,F,G T4/T5
 CLASS III T4/T5

IECEx CSA 16.0017X
 SIRA 16ATEX2048X
 Ex ia IIC T4/T5 Ga
 2XXX (year)


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- NOTES:
- 4 WIRE INSTALLATION SHOWN, FOR USE WITH OR WITHOUT 4-20mA MODELS
 - SEE SAFETY BARRIER MANUFACTURER INSTALLATION MANUAL FOR INFORMATION ON PROPER WIRING OF CABLES TO THE TERMINAL BLOCKS OF THE SAFETY BARRIER
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REV	DESCRIPTION	ECO#	DESIGNER	ENG APPROVED	DATE	MFG APPROVED	DATE
E	UPDATE Co & Lo FOR PARAMETER 3	PRD10210	JLS	MGS	04/22/2016	CRW	04/22/2016
D	UPDATE PARAMETER 3	PRD10210	JLS	MGS	04/21/2016	CRW	04/21/2016
C	UPDATE PARAMETER 2, FROM 66nF TO 50pF & PARAMETER 3 TO 140mA	PRD10210	JLS	MGS	3/22/2016	CRW	3/22/2016
B	UPDATE PARAMETER 2	PRD10210	JLS	MGS	3/19/2016	CRW	3/19/2016
A	FOR APPROVAL	PRD10210	JLS	MGS	3/18/2016	CRW	3/18/2016



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MATERIAL

N/A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED
 TOLERANCES (UNLESS SPECIFIED)
 XXX ± 0.005
 XX ± 0.01 63
 X ± 0.1
 ANGLE ± 2°
 BREAK ALL SHARP EDGES .010 MAX

PART #: INS10060

DESCRIPTION: CONTROL DRAWING, PROXIMITY PROBE SYSTEM

SHEET 2 / 2

NOT DRAWN TO SCALE