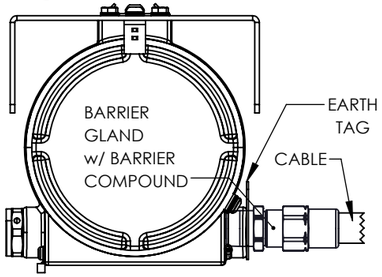
BILL OF MATERIAL F2XX

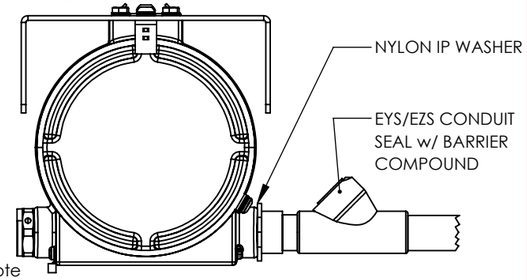
ITEM NUMBER	DESCRIPTION	QUANTITY
1	F2XX HOUSING	1
2	F2XX SUNSHEILD	1
3	F2XX GENERIC MOUNT ASSEMBLY [F2XX-GM]	1
4	F2XX WALL OR POLE MOUNT (ADDITIONAL SUGGESTED ACCESSORY)	1
5	.75" NPT TO M20 EX SS ADAPTER	1
6	F1XX GALVANIC CORROSION GASKETS [F1XX-WM-GCG/ SD-WM-002](SUGGESTED)	1
7	F1XX FALL PROTECT [SF-RSK](SUGGESTED)	1
8	F2XX LENS PROTECTOR [F2XX-TO](SUGGESTED)	1
9	EXTERNAL GROUND LUG (For 6mm or 10 AWG wire)	2
10	AIR SABER (SUGGESTED)	1

DETAIL 3A GLAND ENTRY

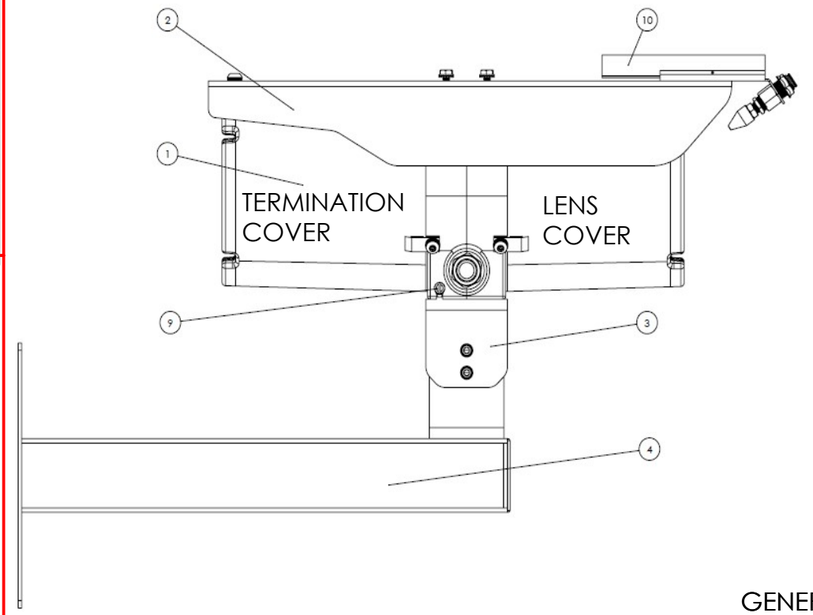


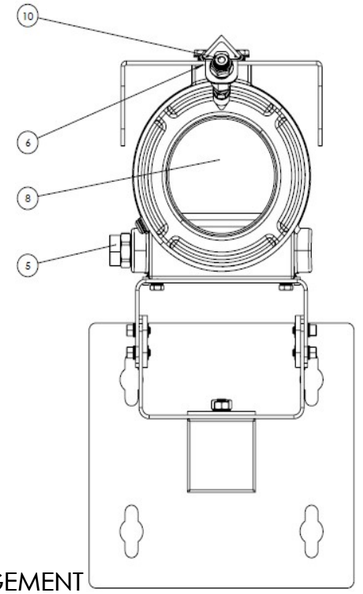
Note
1. Installer to comply with applicable standard(s) for the correct selection and installation requirements of Flameproof / Explosion-proof 'Ex d' Gland, such as, if a Barrier Gland is required.
2. INSTALL SEAL WITHIN 18 inches. For Zones, install seal at entry.

DETAIL 3B CONDUIT ENTRY



Note
1. Installer to comply with applicable standard(s) for the correct selection and installation requirements of Flameproof / Explosion-proof Conduit Fitting installations, such as, if a Conduit Seal is required.
2. INSTALL SEAL WITHIN 18 inches. For Zones, install seal at entry.





DETAIL 1 GENERAL ARRANGEMENT

SPECTRUM CAMERA SOLUTIONS
SPECIALIZING IN EXPLOSION PROOF TECHNOLOGY
8935 ALMEDA GENOA RD. HOUSTON, TEXAS 77075 USA

C FM US APPROVED

MADE IN USA

CE 2809

SERIAL:

MODEL: F203-PNB-A9001-01-01
POE INPUT: IEEE 802.3bt, 90W;

ENTRY	DEVICE ENTRY
¾" NPT	X
M25	

US/Canada: Class I Division 1 Groups BCD SEE TABLE 1, Type 4X, IP66

Class II/III Division 1 Groups EFG SEE TABLE 2, Type 4X, IP66

Class I, Zone 1, AEx/Ex db IIB+H2 Gb SEE TABLE 1, Type 4X, IP66

Zone 21, AEx/Ex tb IIIC Db SEE TABLE 3, Type 4X, IP66

Ex II 2 G Ex db IIB+H2 Gb SEE TABLE 1, IP66

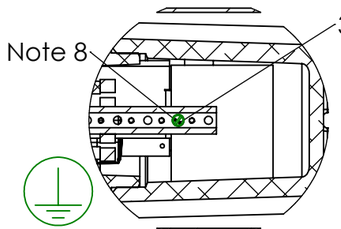
II 2 D Ex tb IIIC Db SEE TABLE 1, IP66

TABLE 1	
'T' CODE	AMB TEMP RANGE
T6/T85°C	-50°C TO +50°C
T5/T100°C	-50°C TO +55°C
T4/T125°C	N/A

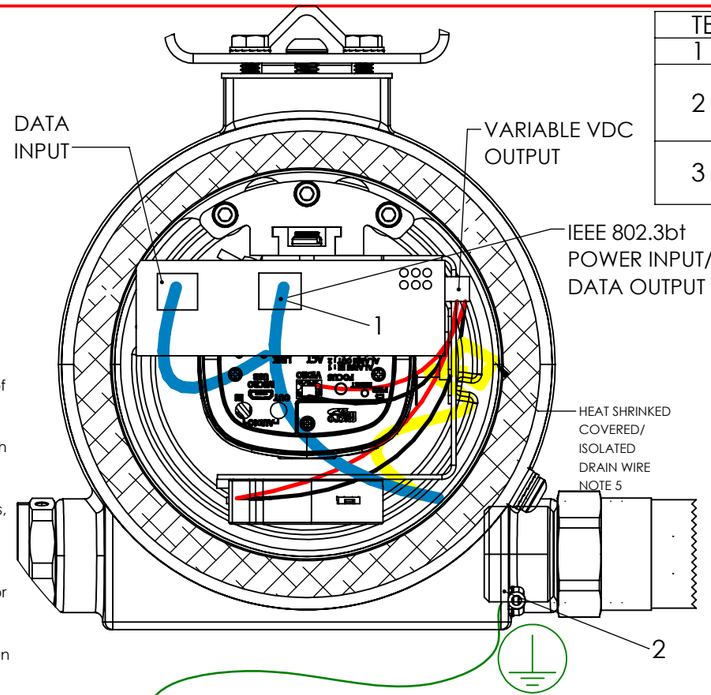
TABLE 2		TABLE 3	
'T' CODE	AMB TEMP RANGE	'T' CODE	AMB TEMP RANGE
T6	-50°C TO +48°C	T87°C	-50°C TO +50°C
T5	-50°C TO +55°C	T102°C	-50°C TO +55°C
T4	N/A	T127°C	N/A

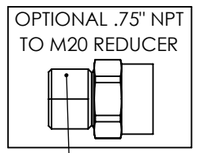
CERT NO. FM24US0209X & FM24CA0056XIECEx FMG 24.0028X, & FM24ATEX0026X
WARNING: DO NOT OPEN WHEN ENERGIZED OR WHEN AN EXPLOSIVE ATMOSPHERE MAY BE PRESENT. Install seal within 18 inches.
WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTION **NOTE**: FOR BATTERY REPLACEMENT DETAILS- SEE INSTRUCTION
AVERTISSEMENT: NE PAS OUVRIR LORSQU ENERGISE OU QUAND UNE ATMOSPHERE EXPLOSIVE PEUT ETRE PRESENTE. Les joints de fermeture sont obligatoires dans une distance de 18 pouces.
AVERTISSEMENT - RISQUE DE CHARGE ÉLECTROSTATIQUE POTENTIEL - VOIR LES INSTRUCTIONS. **REMARQUE** : POUR LES DÉTAILS SUR LE REMPLACEMENT DE LA BATTERIE, VOIR LES INSTRUCTIONS

DETAIL 4 MARKINGS



Notes
1. Installer is to select and install correct cable according to applicable standards
2. Installer shall ensure to install External Ground/Earth and achieve a resistance of less than 1 Ohm
3. External Ground/Earth shall be minimum size of 6 mm2 or 10 AWG
4. Installer shall ensure to terminate the internal ground / earth wire to the internal ground / earth point
5. Shield Drain Wire (if applicable), should have no contact to bare metal, ground, or other wires, if Drain Wire is present, isolate with shrinkable sleeve and ensure no continuity with ground/earth.
6. Optional 3/4" NPT to M20 Reducer provided for Metric Glands.
7. All Entries are 3/4" NPT.
8. Internal Ground on terminal bracket with green screw. For U.S zones, the internal grounding connection shall be used, and the external grounding connection shall be a supplemental ground connection.
9. Fully tighten termination cover and tighten set screw.
10. Install sunsheild and wall mount.





TERMINATION DETAIL	
1	POE INPUT
2	EXTERNAL GROUND/ EARTHING
3	INTERNAL GROUND

This Document is to be used in conjunction with the Installation Manual.

DETAIL 2 TERMINATION GUIDE

DETAIL 5 ELECTRICAL PARAMETERS

CAMERA ELECTRICAL PARAMTERS	
Power Option 1	Power Option 2
IEEE 802.3BT, 90 WATTS	N/A
HEATER ELECTRICAL PARAMTERS	
12VDC, 60WATTS	

REV #	ECO #	DESCRIPTION	DATE	REV BY	APPRVD. BY
0		Initial Design	7/19/25	CAH	HLR

This Document is to be used in conjunction with the Installation Manual.

XXXXX= MODEL NUMBER

DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED
Dimensions Are in inches
Dimensions in () Are in mm
Tolerance: X = ± 0.015, XX = ± 0.010, XXX = ± 0.005
Angular = ± 0.5°
Break all sharp edges.
Minimum Except As Noted

DRAWN BY: CAH DATE: 7/19/25
CHECKED BY: OU DATE: 7/19/25
APPROVED BY: HLR DATE: 7/19/25

RED BOXES INDICATE CHANGES WILL BE MADE BASED ON CAMERA MODEL NUMBER

SCALE: NTS

TITLE: F203-PNB-A9001-01-01 GERNERAL ARRANGEMENT DRAWING
DRAWING NUMBER: GA-F203-PNB-A9001-01-01
SHT. 1 OF 1 | REV. 0 | SIZE: A

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