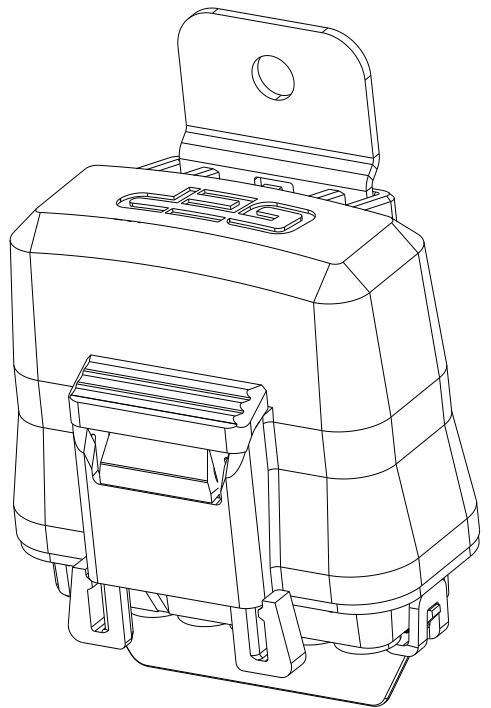


REV	REVISION DETAILS	ECO	DATE	BY	ABY
0	INITIAL RELEASE	NP-0660	11-27-2017	JWK	JML
1	UPDATED TO LATEST DRAWING STANDARDS. ADDED SC42-2018A-A001 AS HOUSING AND SEAL OPTION. ADDED SC19-2001A-A001, SC56-2000A-B001, SC55-2000A-A001 AS ACCESSORY OPTIONS. UPDATED PART NUMBER AND DESCRIPTION.	NP-005914	02-13-2024	JWK	JML



ISO VIEW
FOR REF ONLY

CONFIDENTIAL

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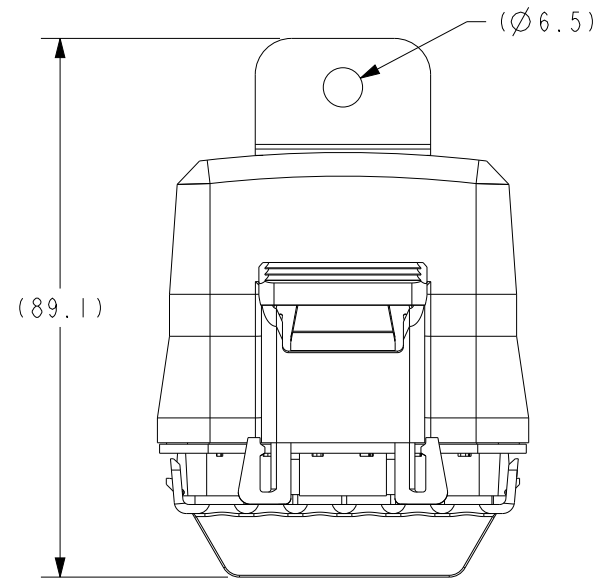
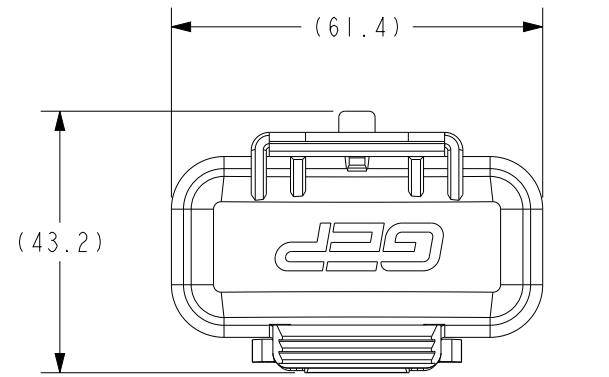
CRITICAL DIMENSIONS ON FEATURES TO BE CHECKED DURING ANY SET-UP ADJUSTMENTS, TOOL CHANGES, OR ANNUAL MAINTENANCE ON TOOLING.	DIMENSIONS OR FEATURES TO BE CHECKED FROM RUN-TO-RUN
TOLERANCES UNLESS OTHERWISE SPECIFIED	
METRIC TOL	ENGLISH TOL
1 PL DEC. = ±.25 2 PL DEC. = ±.13	2 PL DEC. = ±.01 3 PL DEC. = ±.005
THIRD ANGLE PROJECTION 	
ANGULAR TOL = ±2° FRACTION TOL = ±1/64 IN	
DIMENSIONS INSIDE PARENTHESES OR CONTAINING "REF" ARE FOR REFERENCE ONLY.	

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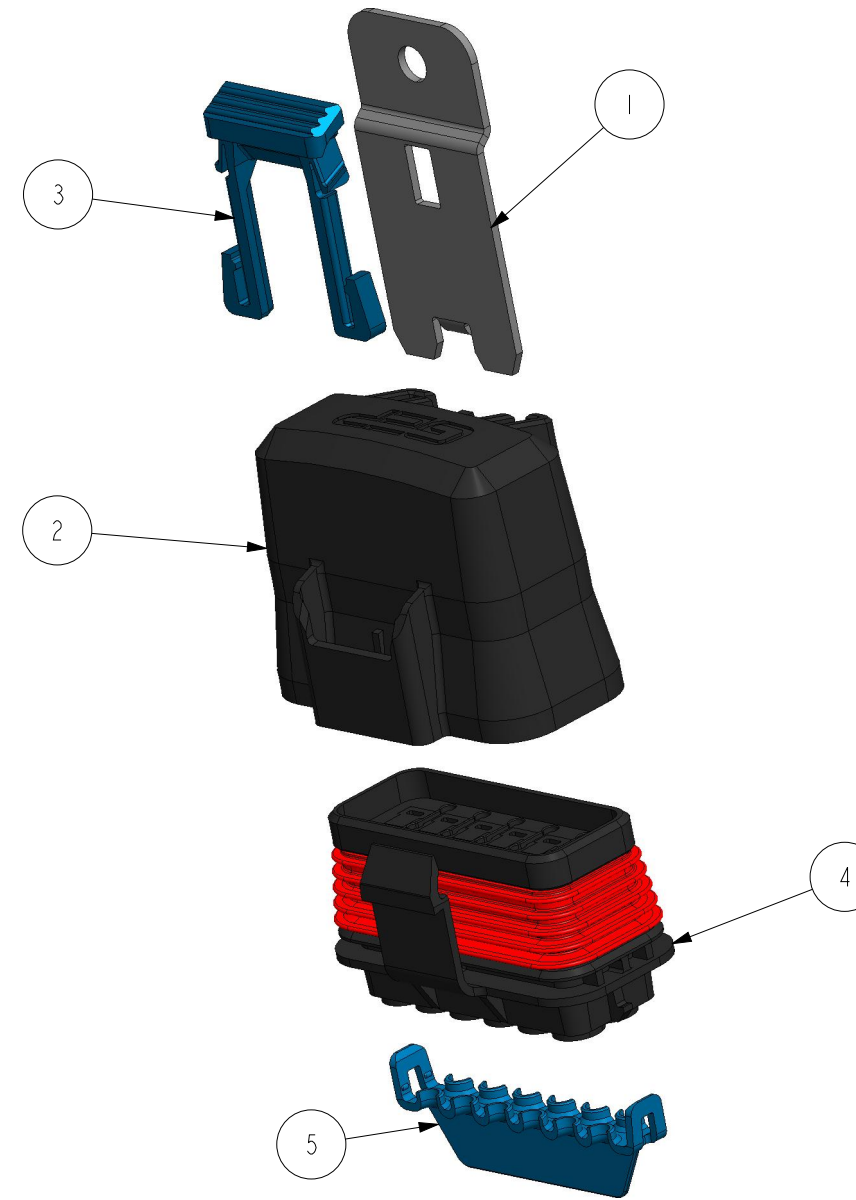
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		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	FRH-A12 PDM SERIES (SALES)			
DESCRIPTION:	FRH-A12 PDM SERIES (SALES)			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 1	SHEET 1 OF 7	SCALE 1:1	SIZE B

EXAMPLE CONFIGURATION & NOTES



EXAMPLE CONFIGURATION WITH DIMENSIONAL INFO



EXAMPLE CONFIGURATION EXPLODE VIEW

- NOTES:
1. BASE & COVER MATERIAL: UNFILLED PBT
 2. TPA & KEY MATERIAL: UNFILLED NYLON
 3. BRACKET MATERIAL: ZINC PLATED STEEL OR STAINLESS STEEL
 4. PICK BRACKET OPTION TO MOUNT ASSEMBLY

EXAMPLE ASSEMBLY BOM			
ITEM	DESCRIPTION	PART NO.	QTY
1	BRACKET - PDM, FRH, FLAT WITH ANTI-ROTATION, ZINC STEEL	FRH-A12-MB-A1	1
2	COVER - PDM, FRH, 12 POS, GEP	FRH-A12-C	1
3	CPA - PDM, FRH	FRH-A-CPA	1
4	HOUSING AND SEAL - PDM, FRH, 12 POS	FRH-A12	1
5	TPA - PDM, FRH	FRH-A12-T	1

GEP POWER PRODUCTS 16830 Pheasant Drive Brookfield, WI 53005

PART NO: FRH-A12 PDM SERIES (SALES)

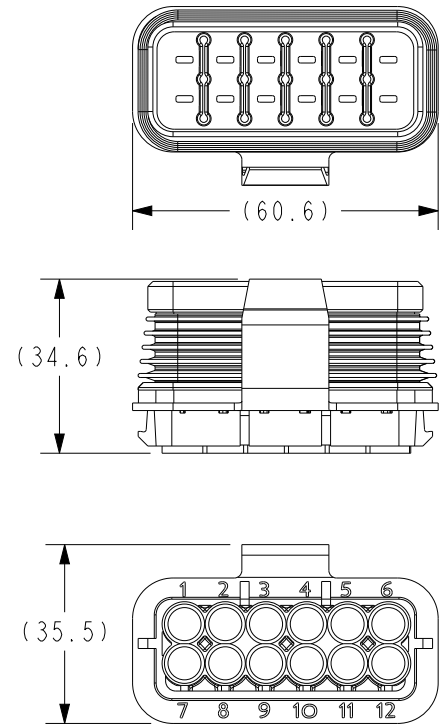
DESCRIPTION: FRH-A12 PDM SERIES (SALES)

CUSTOMER: STANDARD

METRIC (MM)	REV 1	SHEET 2 OF 7	SCALE 1:1.25	SIZE B
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HOUSING W/SEAL OPTIONS

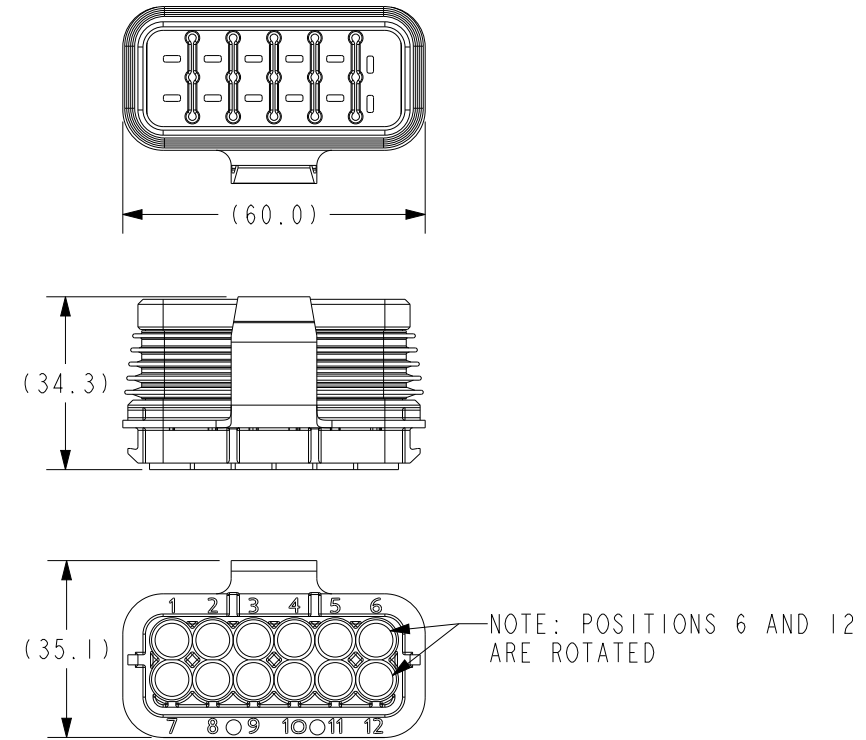
FRH-A12
HOUSING AND SEAL - PDM, FRH 12 POS
(FOR TERMINALS AND SEALS
SEE TABLE A)



FRH-A12 EXAMPLE
POPULATED WITH FUSES/RELAY



SC42-2018A-A001
HOUSING AND SEAL - PDM
FRH 12 POS - ROTATED FUSE
(FOR TERMINALS AND SEALS
SEE TABLE A)



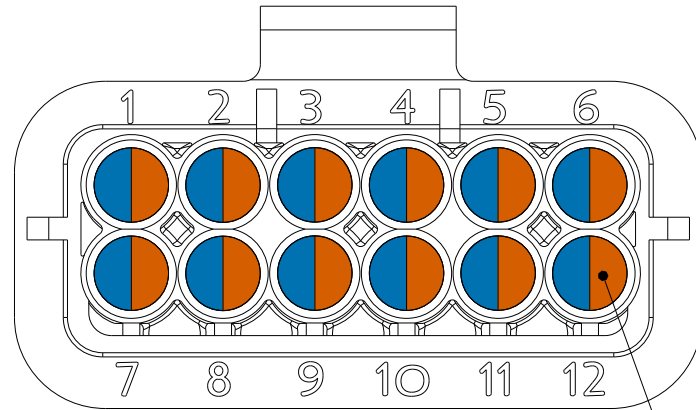
SC42-2018A-A001 EXAMPLE
POPULATED WITH FUSES/RELAY



GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	FRH-A12 PDM SERIES (SALES)			
DESCRIPTION:	FRH-A12 PDM SERIES (SALES)			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 1	SHEET 3 OF 7	SCALE 1:1.5	SIZE B

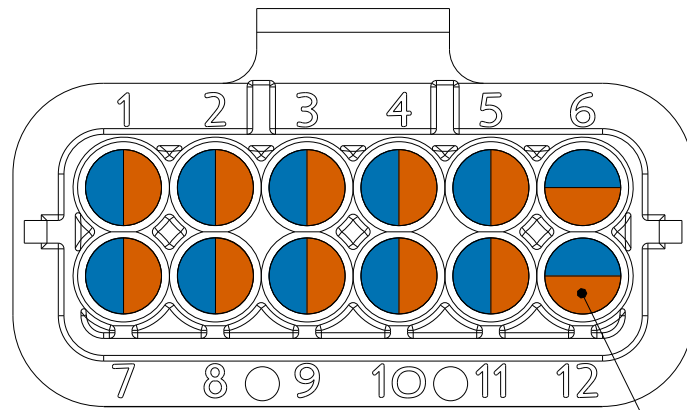
HOUSING TERMINALS AND SEALS

FRH-A12
HOUSING AND SEAL - PDM, FRH 12 POS



280 CAVITIES
SEE TABLE A FOR TERMINALS
AND CABLE SEALS

SC42-2018A-A001
HOUSING AND SEAL - PDM
FRH 12 POS - ROTATED FUSE



280 CAVITIES
SEE TABLE A FOR TERMINALS
AND CABLE SEALS

Table A

DELPHI 280 METRI-PACK TERMINALS				
PART #	CABLE RANGE (mm ²)	MATERIAL	PLATING	
12077413	3	TIN BRASS	TIN	
12129493	2.0-3.0	TIN BRASS	TIN	
12077411	0.8-1.0	TIN BRASS	TIN	
12084201	0.35-0.50	TIN BRASS	TIN	
12176387	5	BERYLLIUM COPPER	SILVER/NICKEL	
12176388	2.0-3.0	BERYLLIUM COPPER	SILVER/NICKEL	
12176389	0.8-1.0	BERYLLIUM COPPER	SILVER/NICKEL	
DELPHI 280 METRI-PACK CABLE SEALS (FOR REF. ONLY)				
PART # REEL	PART # LOOSE	CABLE DIA.	MATERIAL	COLOR
12015360	12015193	3.45-4.3	SILICONE	BLUE
12015359	12010293	2.81-3.49	SILICONE	LT. GRAY
12015284	12015323	2.03-2.85	SILICONE	GREEN
12041352	12041351	2.03-2.42	SILICONE	TAN
12089444	12089679	1.6-2.15	SILICONE	PURPLE
12034365	12015899	1.29-1.70	SILICONE	DK. RED
	12010300	PLUG	SILICONE	GREEN
DELPHI 280 METRI-PACK TERMINAL REMOVAL TOOL (FOR REF. ONLY)				
PART # 12094430				

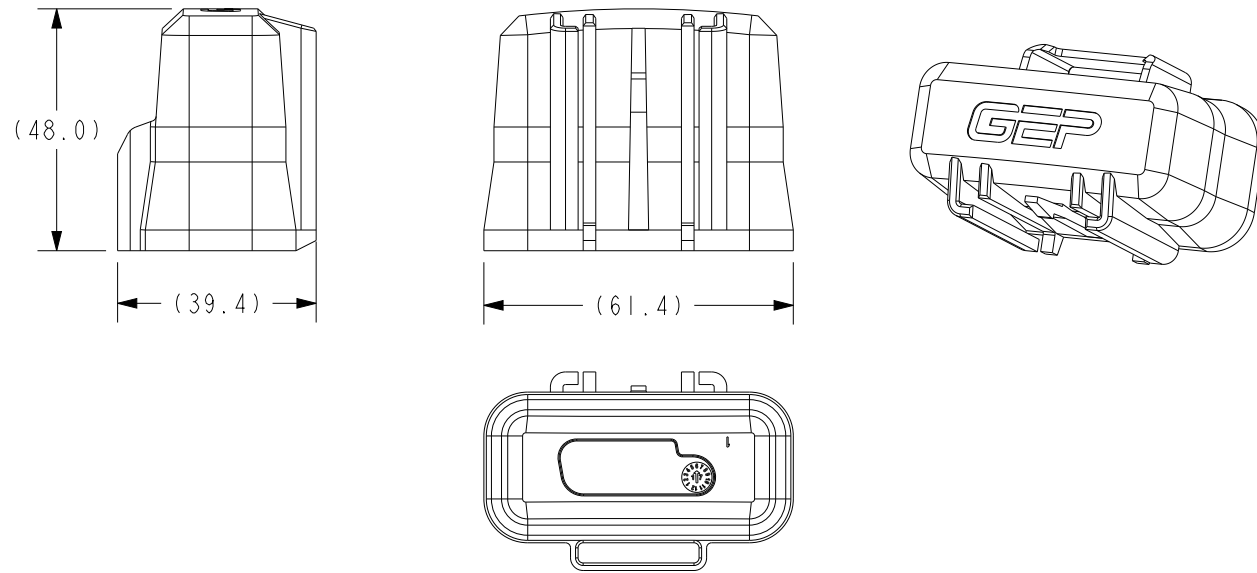
GEP POWER PRODUCTS 16830 Pheasant Drive
Brookfield, WI 53005

PART NO: FRH-A12 PDM SERIES (SALES)
DESCRIPTION: FRH-A12 PDM SERIES (SALES)
CUSTOMER: STANDARD

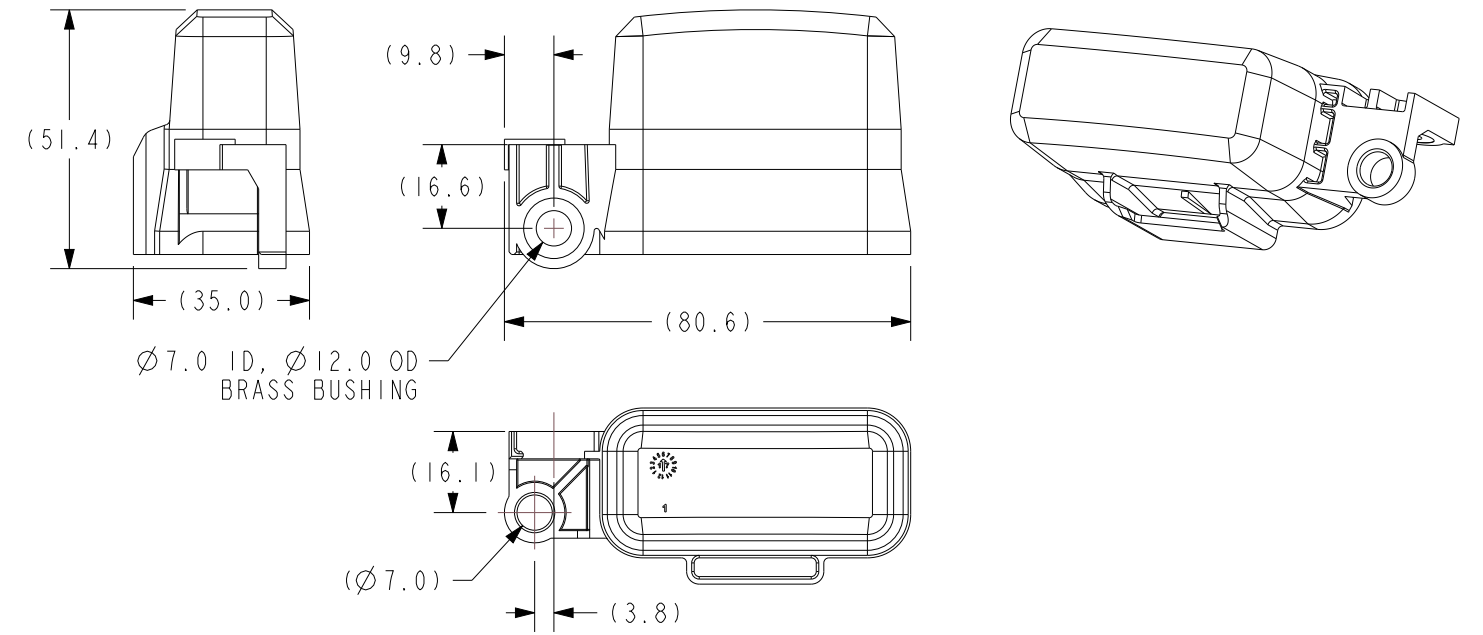
METRIC (MM)	REV 1	SHEET 4 OF 7	SCALE 1:1	SIZE B
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COVER OPTIONS

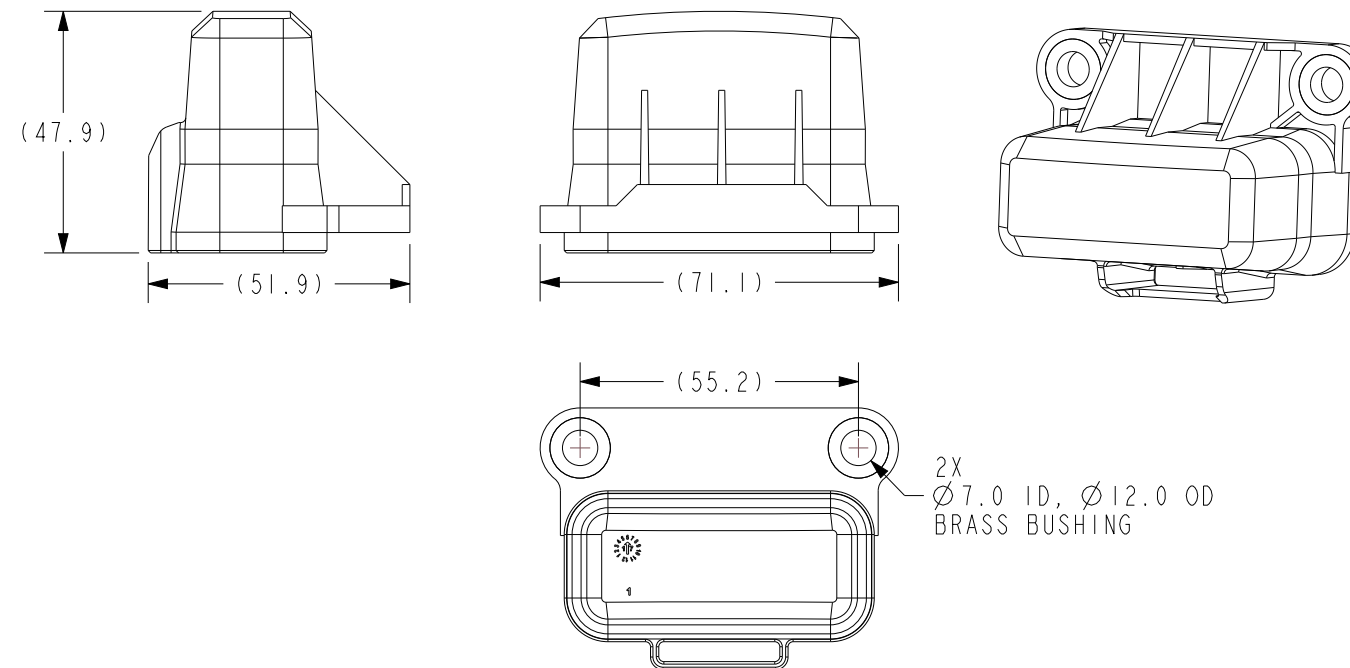
FRH-A12-C
COVER - PDM, FRH, 12 POS, GEP



FRH-A12-CB-1
COVER - PDM, FRH 12 POS, SINGLE SIDE MOUNT, PLAIN



FRH-A12-CD-1
COVER - PDM, FRH 12 POS, DOUBLE SIDE MOUNT, PLAIN

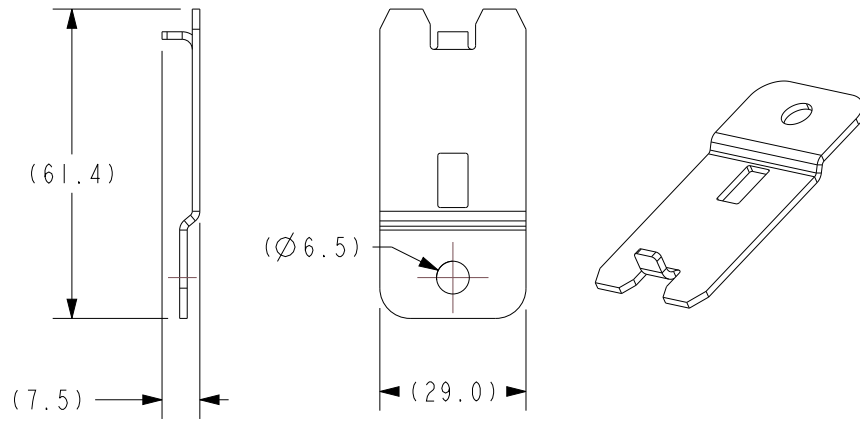


GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	FRH-A12 PDM SERIES (SALES)			
DESCRIPTION:	FRH-A12 PDM SERIES (SALES)			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 1	SHEET 5 OF 7	SCALE 1:1	SIZE B

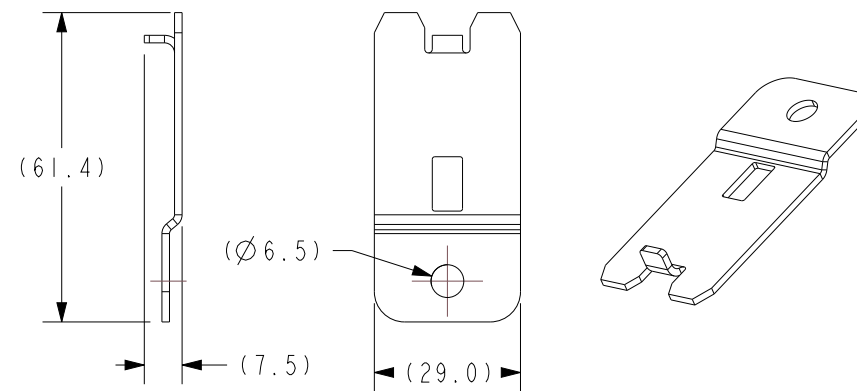
FRH - ACCESSORY OPTIONS

FOR NON-STANDARD MOUNTING OPTIONS EMAIL
GEPENGINEERING@GEPPOWERPRODUCTS.COM TO REVIEW

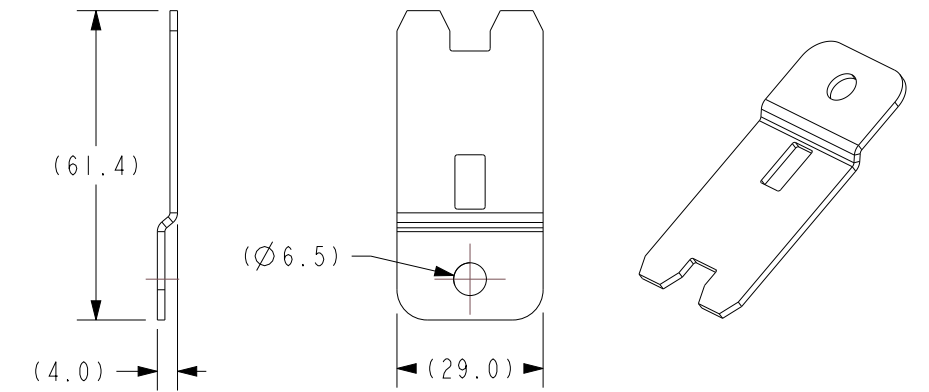
FRH-A12-MB-A1
BRACKET - PDM,FRH,FLAT WITH ANTI-ROTATION, ZINC STEEL



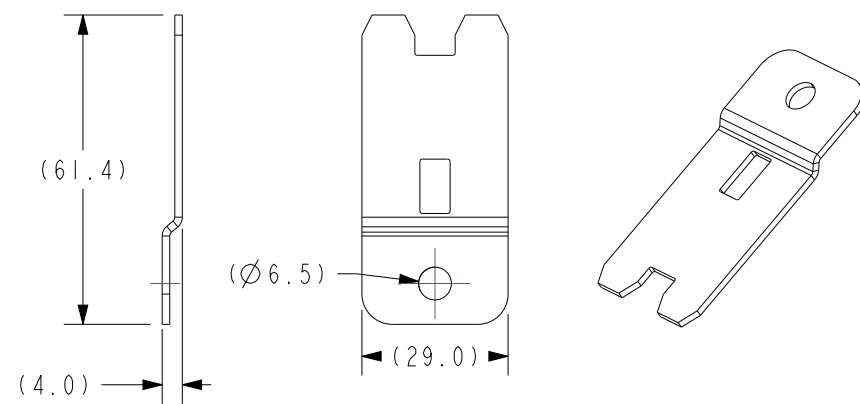
FRH-A12-MB-A2
BRACKET - PDM, FRH, FLAT WITH ANTI-ROTATION, STAINLESS 304



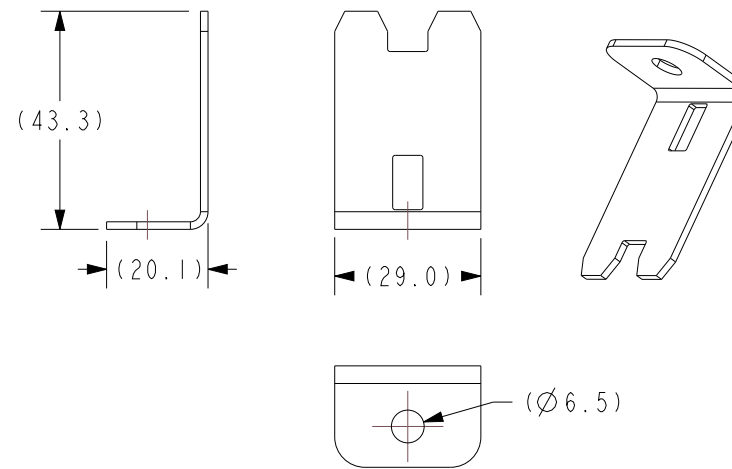
FRH-A12-MB-B1
BRACKET - PDM, FRH, FLAT WITHOUT ANTI-ROTATION, ZINC STEEL



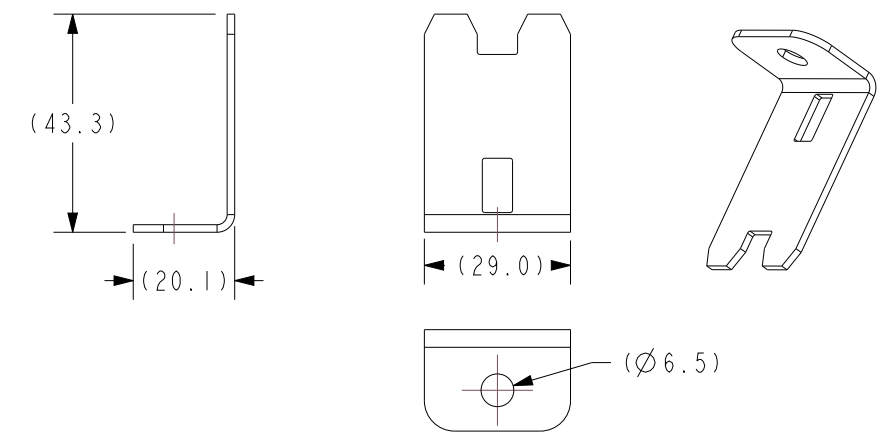
FRH-A12-MB-B2
BRACKET - PDM, FRH, FLAT WITHOUT ANTI-ROTATION, STAINLESS 304



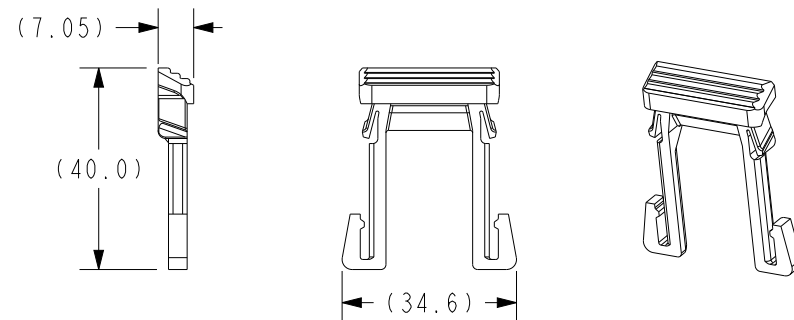
FRH-A12-MB-C1
BRACKET - PDM, FRH, 90° BENT, ZINC STEEL



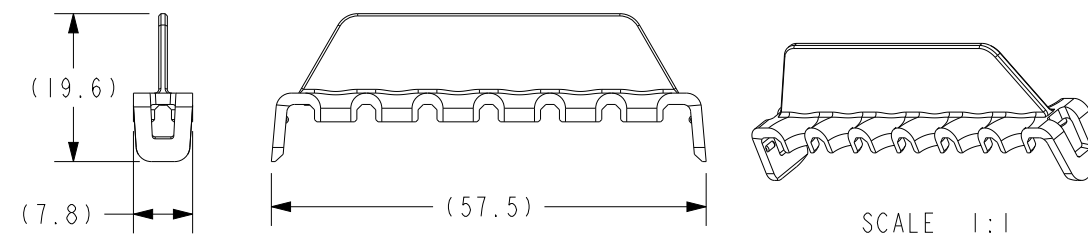
FRH-A12-MB-C2
BRACKET - PDM, FRH, 90° BENT, STAINLESS 304



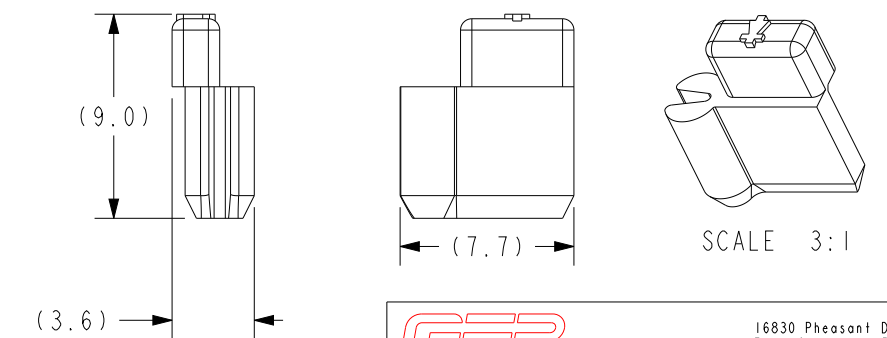
FRH-A-CPA
CPA - PDM, FRH



FRH-A12-T
TPA - PDM, FRH



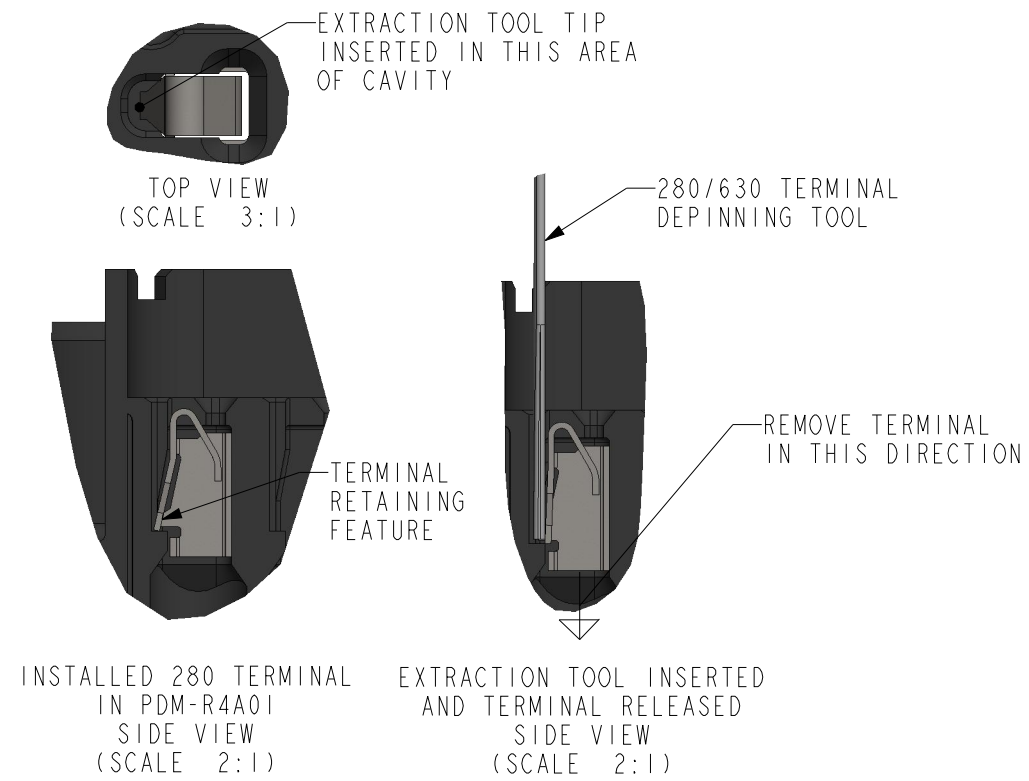
PDM-TK
DIODE KEY



GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	FRH-A12 PDM SERIES (SALES)			
DESCRIPTION:	FRH-A12 PDM SERIES (SALES)			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 1	SHEET 6 OF 7	SCALE 1:1.5	SIZE B

DEPINNING INSTRUCTIONS

280 TERMINAL DEPINNING



GEP POWER PRODUCTS		16830 Pheasant Drive Brookfield, WI 53005		
PART NO:	FRH-A12 PDM SERIES (SALES)			
DESCRIPTION:	FRH-A12 PDM SERIES (SALES)			
CUSTOMER:	STANDARD			
METRIC (MM)	REV 1	SHEET 7 OF 7	SCALE 1:1	SIZE B