

	8	7	6	5	4	3	2	1	
H	REV	DESCRIPTION							DATE
	A								07.14.2026
G									
F	MPD-MCS-VCB-3P3W-1.1M.13-7.2KV-2500A								
E	-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1								
D									
C									
B									
A									
	8	7	6	5	4	3	2	1	

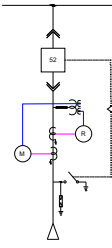
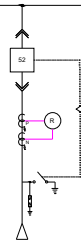
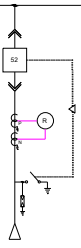
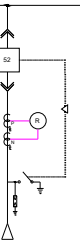
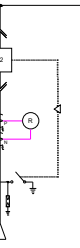
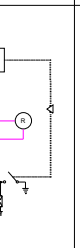
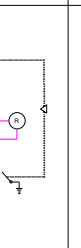
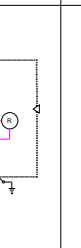
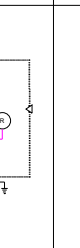
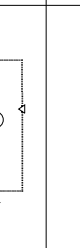
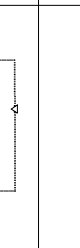
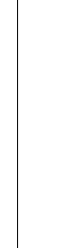


SKU: MPD-MCS-VCB-3P3W-1.1M.13-7.2KV-2500A-31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1

Unit Details: Metal Clad Switchgear, Vacuum Circuit Breaker, 3-Phase 3-Wire, 1 Main In / 1 Metering / 13 Out, 7.2kV, 2500A, 31.5kA, Draw-Out Type, Floor-Mounted, Bottom Entry/Bottom Exit, Relay + Meter, Copper, NEMA 1, Dead Front, Model 1

MEDIUM VOLTAGE SWITCH GEAR (METAL-CLAD)

Single Line Diagram

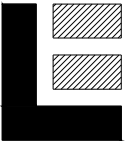
VERTICAL SECTION	AA1	AA2	AA3	AA4	AA5	AA6	AA7	AA8	AA9	AA10	AA11	AA12	AA13	AA14	AA15
7.2kV Metal-Clad Switchgear 3-Phase, 3-Wire 2500A Copper Main Bus 31.5kA Short Circuit 4-Second Rating Draw-Out Vacuum Breaker Construction Throughout SEPAM 1000-Series Protection, Every Position Copper Ground Bus NEMA 1 Indoor Floor Mounted Bottom Entry, Bottom Exit Every Riser Mechanically Interlocked Earthing Switch Every Position															
	Main	PT Panel	Feeder 1	Feeder 2	Feeder 3	Feeder 4	Feeder 5	Feeder 6	Feeder 7	Feeder 8	Feeder 9	Feeder 10	Feeder 11	Feeder 12	Feeder 13
Position / Tag	11P05DH01DH02	11P05DH01TX01	11D04FA01DH01	11D04FA03DH01	11P05TF01DH01	11F05FA01DH01	11F05MV01DH01	11F05FA03DH01	11P05TF03DH01	11P05TF05DH01	11C06MV01DH01	11C06FA04DH01	11C06SP01DH01	11P04TF01DH01	11P04TF03DH01
Purpose	Main Incoming	Bus Metering (PT)	Feeder — VFD Drive Xfmr	Feeder — Motor (DOL)	Feeder — Dist. Xfmr	Feeder — Motor (DOL)	Feeder — VFD Drive Xfmr	Feeder — Motor (DOL)	Feeder — Dist. Xfmr	Feeder — Dist. Xfmr	Feeder — Motor (DOL)	Feeder — Motor (DOL)	Feeder — VFD Drive Xfmr	Feeder — Dist. Xfmr	Feeder — Dist. Xfmr
Rated Current (A)	2500	—	630	630	630	630	630	630	630	630	1250	1250	630	630	630
Protection Relay Model	SEPAM 1000+S40	—	SEPAM 1000+T20	SEPAM 1000+M41	SEPAM 1000+T20	SEPAM 1000+M41	SEPAM 1000+T20	SEPAM 1000+M41	SEPAM 1000+T20	SEPAM 1000+T20	SEPAM 1000+M87	SEPAM 1000+M87	SEPAM 1000+T20	SEPAM 1000+T20	SEPAM 1000+T20
Protection Functions (ANSI)	27, 46, 50, 50N, 50BF, 51, 51N, 59, 81L, 81H	—	26, 46, 50, 50N, 51, 51N, 63	27, 46, 47, 48, 49, 50, 50N, 51, 51N	26, 46, 50, 50N, 51, 51N, 63	27, 46, 47, 48, 49, 50, 50N, 51, 51N	26, 46, 50, 50N, 51, 51N, 63	27, 46, 47, 48, 49, 50, 50N, 51, 51N	26, 46, 50, 50N, 51, 51N, 63	26, 46, 50, 50N, 51, 51N, 63	27, 46, 47, 48, 49, 50, 50N, 51, 51LR, 51N, 59, 63, 66, 87M	27, 46, 47, 48, 49, 50, 50N, 51, 51LR, 51N, 59, 63, 66, 87M	26, 46, 50, 50N, 51, 51N, 63	26, 46, 50, 50N, 51, 51N, 63	26, 46, 50, 50N, 51, 51N, 63
Phase CT Ratio (Meas./Prot.)	2500/5, 20VA 5P10 / 15VA C10.5	—	500/5, 20VA 5P10 / 15VA C10.5	200/5, 20VA 5P10 / 15VA C10.5	150/5, 20VA 5P10 / 15VA C10.5	50/5, 20VA 5P10 / 15VA C10.5	100/5, 20VA 5P10 / 15VA C10.5	100/5, 20VA 5P10 / 15VA C10.5	100/5, 20VA 5P10 / 15VA C10.5	150/5, 20VA 5P10 / 15VA C10.5	500/5, 20VA 5P10 / 15VA C10.5	600/5, 20VA 5P10 / 15VA C10.5	75/5, 20VA 5P10 / 15VA C10.5	150/5, 20VA 5P10 / 15VA C10.5	200/5, 20VA 5P10 / 15VA C10.5
Earth Fault CT Ratio	50/5, 10VA 10P10	—	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10	50/5, 10VA 10P10
Differential CT Ratio	—	—	—	—	—	—	—	—	—	—	500/5, 20VA 5P20 (switchgear-side only)	600/5, 20VA 5P20 (switchgear-side only)	—	—	—
Downstream Equipment / Load	Bus	Bus (VT bank)	Drive Xfmr 3900kVA + VFD + Motor 3100kW	Motor 1400kW (DOL)	Dist. Xfmr 1250kVA	Motor 280kW (DOL)	Drive Xfmr 800kVA + VFD + Motor 560kW	Motor 710kW (DOL)	Dist. Xfmr 1000kVA	Dist. Xfmr 1250kVA	Motor 3600kW (DOL)	Motor 4300kW (DOL)	Drive Xfmr 560kVA + VFD + Motor 315kW	Dist. Xfmr 1000kVA	Dist. Xfmr 1600kVA
Remarks	Local PT supports 27/59/81L/81H	Shared bus VT, CI 0.5/6P, 6.3/73+0.11/73+0.11/3	—	—	—	—	—	—	—	—	87M provisioned switchgear-side only; loop completion outside scope	87M provisioned switchgear-side only; loop completion outside scope	—	—	—

NOTES:

- One (1) 2500A draw-out main VCB with one (1) dedicated PT/metering section and thirteen (13) draw-out outgoing feeder positions, per customer SLD 11P05DH01.
- Feeder ratings, positions, and downstream loads shown are as documented on the source SLD, not representative — confirmed against the customer's drawing, not a placeholder schedule.
- No spare positions are shown on the source SLD; none included in this offer unless separately requested.
- Capacitor banks and motor-terminal differential CTs shown on the source SLD are customer/vendor-furnished and outside this switchgear's scope of supply.
- Final CT ratios, protection relay settings, and physical dimensions subject to detailed engineering and vendor confirmation.
- Equipment designed in accordance with applicable ANSI/IEEE C37 series standards (including IEEE C37.20.2, Metal-Clad Switchgear), NEC, and NEMA requirements.
- Overall dimensions and weight are engineering-judgment estimates; final figures subject to approved manufacturing drawings.

CONCEPTUAL DRAWING ONLY

This drawing is provided for proposal and reference purposes only. Final design, dimensions, equipment arrangement, ratings, and component selection are subject to detailed engineering review, customer approval, and manufacturing standards.

 LARSON ELECTRONICS 9419 E US HWY 175, KEMP, TX 75143	TITLE MPD-MCS-VCB-3P3W-1.1M.13-7.2KV-2500A -31.5K-DO-FM-BEBE-R.M.-CU-N1-DF-M1		
	DRAWN BY JMD	DATE 07.14.2026	REV A
	CHECKED BY R.DOMETITA	SHEET # 1 OF 1	DRAWING # 101