

COMBINED UNDERGROUND MEASUREMENT EQUIPMENT

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Measurement equipment for medium voltage underground distribution used in systems from 13.8 kV to 34.5 kV, according to CFE G0000-90 specification. EPRECSA-CHUANGYIN trademark. Manufactured in Mexico.										
Short Description		ECMS-3E-13.8-8400/120-10/5	ECMS-3E-13.8-8400/120-50/5	ECMS-3E-13.8-8400/120-200/5	ECMS-3E-23-14400/120-10/5	ECMS-3E-23-14400/120-50/5	ECMS-3E-23-14400/120-200/5	ECMS-3E-34.5-20125/115-10/5	ECMS-3E-34.5-20125/115-50/5	ECMS-3E-34.5-20125/115-200/5
Voltage	Nominal System Voltage (r.m.s. value)	13.8	13.8	13.8	23	23	23	34.5	34.5	34.5
	Maximum Design Voltage of the Equipment in kV (r.m.s. value)	15.5	15.5	15.5	27	27	27	38	38	38
	Installation altitude (m.a.s.l)	Up to 2500	Up to 2500	Up to 2500	Up to 2500	Up to 2500	Up to 2500	Up to 2500	Up to 2500	Up to 2500
Nominal Voltage and dielectric test value	Nominal Withstand voltage at industrial frequency Kv (r.m.s. value)	Internal	38	38	50	50	50	70	70	70
		External	38	38	50	50	50	70	70	70
	Nominal lightning impulse withstand voltage kV (peak value)	Internal	95	95	125	125	125	170	170	170
		External	95	95	125	125	125	170	170	170
	Unit ratio of each secondary	70	70	70	120	120	120	175.1	175.1	175.1
	Transformer Ratio (V) (Uprim:Usec) one secondary	8400:120	8400:120	8400:120	14400:120	14400:120	14400:120	20125:115	20125:115	20125:115
	Transformer ratio for billing (Single-winding)	10:05	50:05:00	200:05:00	10:05	50:05:00	200:05:00	10:05:00	50:05:00	200:05:00
Accuracy and nominal burden for measurement and protection	Accuracy Class Voltage	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
	Accuracy Class Current	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
	Protective burden range (VA)	0-50	0-50	0-50	0-50	0-50	0-50	0-50	0-50	0-50
	Protective burden range (VA)	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15	0-15
	Overcurrent Factor	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
	Power Factor	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8

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