

ARRESTERS (DMOA)

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Class I Distribution Metal Oxide Surge Arresters with polymeric enclosure, for systems from 13.8 kV to 34.5 kV with nominal discharge current of 10 kA according to the CFE-VA410-43 specification. EPRECSA trademark. Manufactured in Mexico.							
Short description	ADOMC-10	ADOMC-12	ADOMC-18	ADOMC-21	ADOMC-27	ADOMC-30	
Rated System Voltage (kV)	13.8	13.8	23	23	34.5	34.5	
Rated Voltage and System type (kV)	13.8 kV 3F-4H	13.8 kV 3F-3H	23 kV 3F-4H	23kV 3F-4H	34.5 kV 3F-4H	34.5 kV 3F-4H	
Surge arrester Rated Voltage (kV)	10	12	18	21	27	30	
Insulated Withstand Voltage	Impulse test 1,2/50μs (kV Peak)	75	85	125	125	150	150
	Altern current Voltage test into 1 minute power frequency in wet (kV effective)	24	27	36	36	60	60
Max Residuals Voltages	Switching impulse , 10 kA peak, 1/20μs	29	35	53	61	79	87
	Lightning Impulse , 10kA peak, 8/20μs	36	44	65	76	98	108
	Steep current Impulse 30/60μs	40	48	72	84	108	120
Continuous Operation Voltage (kV effective)	8.4	10.2	15.3	17	22	24.4	
Max. Partial Discharge Value (pC)	10	10	10	10	10	10	
Min. Creepage Distance	495	495	830	830	1030	1030	

Short description	ASOM-III-31-90	ASOM-III-31-96	ASOM-III-31-108	ASOM-III-31-120	ASOM-III-31-132	ASOM-III-31-144	ASOM-III-31-172	ASOM-III-31-180	ASOM-III-31-192
Rated System Voltage (kV effective)	115	115	115	138	161	161	230	230	230
Total Length (mm)	1700 ± 50	1700 ± 50	1700 ± 50	1920 ± 50	1700 ± 50	1701 ± 50	3132 ± 50	3133 ± 50	3095 ± 50
Creepage Distance (mm)	3906	3906	3906	4495	5270	5270	7906	7907	7595
Surge arresters Rated Voltage Ur (kV effective)	90	96	108	120	132	144	172	180	192
Continuous Operation Voltage Uc	70	76	84	98	106	115	138	144	154
Max. Residuals Voltages	Switching impulse , 10 kA peak, 1/20μs	190	200	225	250	275	360	370	390
	Lightning Impulse , 10kA peak, 8/20μs	222	237	268	300	330	430	445	475
	Steep current Impulse 30/60μs	260	275	310	345	380	500	520	550
Insulated Withstand Voltage	Lightning impulse voltage (kV)	288	308	348.4	390	429	559	578.5	507
	Power Frequency Voltage	201.4	212	238.5	265	291.5	382	393	413.4
Radio-interference	Applied Voltage	73.5	79.8	88.2	105	111.3	145	152	162
	Max. (μV)	2500	2500	2500	2500	2500	2500	2500	2500
Partial Discharge	Applied Voltage (kV)	73.5	79.8	88.2	105	111.3	145	152	162
	Max. Value (pC)	10	10	10	5	10	5	5	5

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