COMPOSITE METAL OXIDE

General description
»Surge arrester with zinc oxide varistors enclosed in a silicone rubber housing. Silicone rubber-covered housing has great hydrophobicity characteristics.

Characteristics
»Great flexibility in obtaining creepage voltage distance by means of the skirts, shortening the length of the arrester body. Silicone rubber-covered housing has great hydrophobicity characteristics. Resistant to UV rays and limits current leakage.
»10 kA nominal discharge current.

Applications
»For protection in distribution systems in low, medium, and highly contaminated areas.

Advantages
»Smaller and lighter. Eliminates cleaning costs and facilitates longer equipment life.
»APSIL model with silicone rubber housing complies with CFE, ADOM, and ADMOC specifications.

Applicable standards
»CFE VA410-43
»NMX-J-321-ANCE
»IEC 60099-4

Abbreviations
»A: Lightning Arrester
»D: Distribution
»MO: Metal oxide
»C: Contamination
»10 to 30: Lightning arrester rated voltage

CODE	CAT.	DESCRIPTION	MASTER
370419	APSIL-10	9/10 kV APSILC composite distribution arrester	1
370421	APSIL-12	12 kV APSILC composite distribution arrester	1
370424	APSIL-18	18 kV APSILC composite distribution arrester	1
370427	APSIL-21	21 kV APSILC composite distribution arrester	1
370433	APSIL-27	27 kV APSILC composite distribution arrester	1
370435	APSIL-30	30 kV APSILC composite distribution arrester	1

SPECIFICATIONS		APSIL-10	APSIL-12	APSIL-18	APSIL-21	APSIL-27	APSIL-30
Brief CFE description		ADOM-C-10	ADOM-C-12	ADOM-C-18	ADOM-C-21	ADOM-C-27	ADOM-C-30
Nominal system voltage (kV)		13,8	13,8	23	23	34,5	34,5
Rated voltage and system type		13,8 kV / 3F - 4H	13,8 kV / 3F - 3H	23 kV / 3F - 4H	23 kV / 3F - 3H	34,5 kV / 3F - 4H	34,5 kV / 3F - 3H
Lightning arrester nominal voltage (kV)		10	12	18	21	27	30
Insulator withstand voltage	Lightning-impulse withstand voltage 1,2/50 µs (kV peak)	75	85	125	125	150	150
	1 min AC voltage test at 60 Hz in wet conditions (kV effective)	24	27	36	36	60	60
	Voltage during contamination test (kV Effective)	8,4	8,4	14,6	14,6	21,9	21,9
Maximum residual voltage	Operation-activated current impulse 30/60 µs (kV peak)	29	35	53	61	79	87
	Lightning-induced current impulse 10 kA peak 8/20 µs (kV peak)	36	44	65	76	98	108
	Steep-front current impulse 10 kA peak 1/20 µs (kV peak)	40	48	72	84	108	120
Continuous operating voltage (kV effective)		8,4	10,2	15,3	17,0	22,0	24,4
Maximum partial discharge (pC)		10	10	10	10	10	10
Minimum creepage distance (mm)		495	495	830	830	1 030	1 030
Approximate net weight (kg)		2,4	2,4	4,7	4,8	5,4	5,6