



MODULO XD MINI

Three phase capacitors

MODULO XD Mini – COMPACT PERFORMANCE capacitors integrate the excellent MODULO XD technology with an innovative mechanical construction, which has been optimized for the 0,5 ÷ 10 kVAr/400 ÷ 550 V power/voltage ranges. Thanks to their mechanical construction and a particularly effective dry-resin impregnation process, **MODULO XD mini** capacitors deliver excellent performance in a very compact package. The faston connections, integrated discharge resistors and IP20 protection cap simplify their installation and maintenance in every type of application.



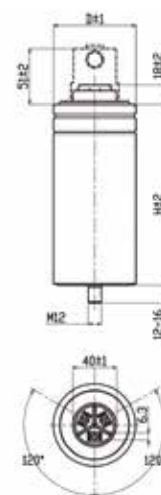
General Characteristics

Power Range	0.5 ÷ 10 kVAr
Voltage range	400 ÷ 550 V
Rated frequency	50 Hz/60 Hz
Capacitance tolerance	-5 +10%
Duty	Continuous
Dielectric losses	≤ 0.2 W/kVAr
Life expectancy	≥ 110000h -25/D ≥ 130000h -25/C
Max dV/dt	100 V /μs
Temperature class	-25/D
Max overload In	3 x I _n
Max inrush current	200 I _n
Terminals	Faston 6.3x0.8 mm
Protection rating	IP20 (with included protection cap)
Internal connection	Delta
Discharge resistance	Internal (50 V after 60")
Impregnating material	Eco-friendly resin
Altitude	≤ 4000 m s.l.m.
Storage Temperature	-40 +80 °C
Test voltage (AC) between terminals	2.15 Un x 2"
Test voltage between terminals and case	3 kV x 10"
Standards	IEC 831 - 1/2



Un (V)	Qn (kVAr) 50 Hz	In (A)	Cn (μF)	DxH (mm)	Pcs x box	Part n. 416.12.	Dim. Box
400	0.5	0.7	3x3.32	50x150	21	1010	E
	1	1.4	3x6.63	50x150	21	1020	E
	1.5	2.2	3x9.95	50x150	21	1040	E
	2.5	3.6	3x16.6	60x150	18	1060	E
	5	7.2	3x33.2	75x175	6	1130	C
	7.5	10.8	3x49.7	75x265	12	1150	D
	10	14.4	3x66.3	75x265	12	1170	D
415	0.5	0.7	3x3.08	50x150	21	2010	E
	1	1.4	3x6.16	50x150	21	2020	E
	1.5	2.1	3x9.24	50x150	21	2040	E
	2.5	3.5	3x15.4	60x150	18	2060	E
	5	7.0	3x30.8	75x175	6	2130	C
	7.5	10.4	3x46.2	75x265	12	2150	D
	10	13.9	3x61.6	75x265	12	2170	D
440	0.5	0.7	3x2.74	50x150	21	3010	E
	1	1.3	3x5.48	50x150	21	3020	E
	1.5	2.0	3x8.22	50x150	21	3040	E
	2.5	3.3	3x13.7	60x150	18	3060	E
	5	6.6	3x27.4	75x175	6	3130	C
	7.5	9.8	3x41.1	75x265	12	3150	D
	10	13.1	3x54.8	75x265	12	3170	D
450	0.5	0.6	3x2.62	50x150	21	4010	E
	1	1.3	3x5.24	50x150	21	4020	E
	1.5	1.9	3x7.86	50x150	21	4040	E
	2.5	3.2	3x13.1	60x150	18	4060	E
	5	6.4	3x26.2	75x175	6	4130	C
	7.5	9.6	3x39.3	75x265	12	4150	D
	10	12.8	3x52.4	75x265	12	4170	D
525	0.5	0.6	3x1.92	50x150	21	5010	E
	1	1.3	3x3.85	50x150	21	5020	E
	1.5	1.9	3x5.77	50x150	21	5040	E
	2.5	3.2	3x9.62	60x150	18	5060	E
	5	6.4	3x19.2	75x175	6	5130	C
	7.5	9.6	3x28.9	75x265	12	5150	D
	10	12.8	3x38.5	75x265	12	5170	D
550	0.5	0.6	3x1.75	50x150	21	6010	E
	1	1.3	3x3.51	50x150	21	6020	E
	1.5	1.9	3x5.26	50x150	21	6040	E
	2.5	3.2	3x8.77	60x150	18	6060	E
	5	6.4	3x17.5	75x175	6	6130	C
	7.5	9.6	3x26.3	75x265	12	6150	D
	10	12.8	3x35.1	75x265	12	6170	D

TECHNICAL DRAWING



Terminals and stud	Fixing torque
Screw terminals	1.5 Nm
M12	11 Nm

Standard box dimensions: C= 190x285x325 mm D= 250x360x345 mm E= 195x390x255 mm.

To enable the overpressure protection device to operate efficiently, it is necessary to leave a gap of at least 30 mm. above the element and use flexible leads for the connection.