



0 285 57

0 285 87

Dimensions **p. 230-231**
 Electrical characteristics **(see opposite)**

Automatic air circuit breakers must be equipped with electronic protection unit (p. 217), imperatively ordered together for factory assembly. Please ask for DMX³ order form. Conform to IEC 60947-2. Suitable for wind turbine, photovoltaic or railway installations.

Pack	Cat.Nos		Fixed version
			Supplied with - 2 auxiliary contacts: NO/NC - rear terminals for horizontal connection with bars - door sealing Breaking capacity I _{cu} 50 kA (1000 V _~)
			In (A)
			630
			800
			1000
			1250
			1600
			2000
			2500
			3200
			4000

Pack	Cat.Nos		Draw-out version
			Supplied with - 2 auxiliary contacts: NO/NC - draw-out base and kit - flat rear terminals for connection with bars - door sealing Breaking capacity I _{cu} 50 kA (1000 V _~)
			In (A)
			630
			800
			1000
			1250
			1600
			2000
			2500
			3200
			4000

Technical characteristics

DMX ³ according to IEC 60947-3	DMX ³ 4000 - 1000 V _~	
Release type	electronic	
Number of poles	3P - 4P	
Pole pitch (mm)	130	
Rated current I _n (A)	630/800/1000/1250/1600/2000/2500/3200/4000	
Rated insulation voltage U _i (V)	1250	
Rated impulse withstand voltage U _{imp} (kV)	12	
Rated operational voltage (50/60Hz) U _e (V)	1150	
Frame	4000	
Rated ultimate short-circuit breaking capacity I _{cu} (kA)	800 V AC	65
	1000 V AC	50
Rated service short-circuit breaking capacity I _{cs} (% I _{cu})	100%	
Rated short-circuit making capacity I _{cm} (kA)	800 V AC	143
	1000 V AC	105
Rated short time withstand current I _{sw} (kA) for t = 1s	800 V AC	65
	1000 V AC	50
Rated short time withstand current I _{sw} (kA) for t = 3s	800 V AC	65
	1000 V AC	50
Category of use	B	
Suitable for insulation	Yes	

Derating at different altitudes

Air circuit breaker	DMX ³ 4000 - 1000 V _~			
Altitude (m)	2000	3000	4000	5000
Rated current (at 40°C) I _n (A)	I _n	0.98 x I _n	0.94 x I _n	0.9 x I _n
Rated voltage U _e (V)	1000	880	750	690
Rated insulation voltage U _i (V)	1250	1100	950	850
Dielectric withstand (V)	3500	3200	2500	2000

Old range DMX³ 4000 - 1000 V_~
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SPX³-V vertical fuse carriers
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SPDs for photovoltaic installations
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