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本公司工程技术人员将竭诚为您服务，因产品技术不断创新，请以实物或说明书为准；
如有更改，届时恕不另行通知！

DAM1(Z)-2000塑料式断路器高海拔降容系数表
DAM1(Z)-2000 Moulded case circuit breaker high altitude derating coefficient table

海拔高度（m） Altitude (m)	2000	2500	3000	3500	4000	4500	5000
工频耐压（v） Power frequency withstand voltage (V)	3500	3500	3150	3000	2800	2650	2500
平均绝缘等级（v） Average insulation level (V)	1000	1000	900	850	810	770	730
最大工作电压（v） Maximum operating voltage (V)	800	800	720	670	630	600	560
最大工作电流（v） Maximum operating current (V)	690	690	620	580	550	520	500
工作电流修正系数 Working current correction coefficient	1	1	0.98	0.97	0.95	0.94	0.93

额定短时耐受电流(Icw) Rated short-time withstand current (Icw)			20KA（1S）（热磁式不适用） 20KA (1S) (thermal magnetic type is not applicable)	
操作性能 Operation performance	机械寿命 Mechanical life		10000次（3P）/6000次（4P） 10,000 times (3P)/6,000 times (4P)	
	电气寿命 Electrical life	DAM1-2000、 DAM1E-2000	AC380/400V/415V	3000（In≤1250A） 2000（In=1600）
			AC500V	1000
			AC660/690V	1000
	电气寿命 Electrical life	DAM1Z-2000	AC800V	500
			DC500V	1000
			DC600V	1000
			DC750V	1000
			DC1000V	1000
			DC1200V	500

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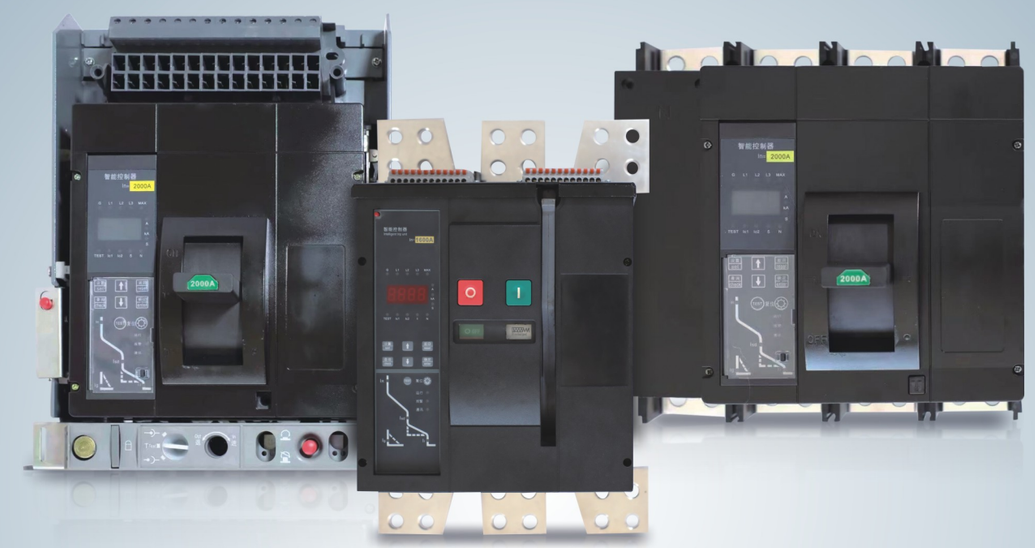

DAM1-2000
塑壳断路器
MOULDED CASE CIRCUIT BREAKER

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上海达达电气有限公司
SHANGHAI DADA ELECTRIC CO.,LTD.

DAM1-2000

塑壳断路器

MOULDED CASE CIRCUIT BREAKER

● 概述与用途 Overview and use

全新DAM1-2000系列塑壳断路器，以模块化、智能化、小型化、易安装、调换理念、模化智能控制器，有通讯功能和计量功能，全新模块化手动机构和全新的模块化电动机构，核心电动机构经过几十万台市场严格考核和实际应用的框架同款机构，触头系统从进线端到出线端没有搭截面，做到更好的分断和短时耐受电流和温升，灭弧室采用高密度梯次栅片和双灭弧室的调控技术确保电流分断的可靠性。

开关安装方式：固定式和抽屉式。

DAM1E-2000系列塑料外壳式断路器(以下简称断路器)，额定绝缘电压为1000V，适用交流50Hz/60Hz,额定工作电压AC380/400/415V、AC500V、AC660/690V、AC800V，额定工作电流800A、1000A、1250A、1600A、2000A电路中，用来分配电能，除具有过载长延时反时限、短路短延时定时限，短路短延时反时限、短路瞬时、接地、过载与报警、报警不脱扣功能，能保护线路和电源设备不受损坏外，还具备给上位机或其它的能效管理系统反馈产品的电流、电压、功率、电能、频率、寿命、分合闸状态、操作次数等信息，用于对断路器的检测和监控、降低电网的运维戌本，也为将来的能效系统提供必要的数据。

DAM1Z-2000系列塑料外壳式断路器(以下简称断路器)，额定绝缘电压为1200V，适用于额定工作电压DC500V(2P串联)、DC600V(2P串联)、DC750V(3P串联)、DC1000V(4P串联)、DC1200V(4P串联)，额定工作电流800A、1000A、1250A、1500A、1600A、2000A的电路中，用来分配电能，同时对线路及电源设备的过载、短路、欠电压(带欠压脱扣器的)起保护作用。

具有隔离功能，其相应符号为：

符合标准：IEC60947-2、GB/T 14048.2。

The new DAM1-2000 series Moulded case circuit breakers are modular, intelligent, miniaturized, easy to install, change concepts, modular intelligent controllers, with communication and metering functions, new modular manual mechanisms and new modular electric Mechanism, the core electric mechanism is the same frame mechanism that has passed hundreds of thousands of strict market assessments and practical applications. The contact system has no cross-section from the incoming end to the outgoing end, achieving better breaking and short-term withstand current and temperature The arc extinguishing chamber adopts high-density ladder grid and double arc extinguishing chamber control technology to ensure the reliability of current breaking.

Switch installation method: fixed and drawer type.

DAM1E-2000A series Moulded case circuit breaker (hereinafter referred to as circuit breaker), rated insulation voltage is 1000V, suitable for AC50Hz/60Hz, rated working voltage AC380/400/415V, AC500V, AC660/690V, AC800V, rated working currentIn 800A, 1000A, 1250A, 1600A, 2000A circuits, it is used to distribute electric energy. In addition to overload long delay inverse time limit and short circuit shortDelay with fixed time limit, short circuit short delay inverse time limit, short circuit instantaneous, grounding, overload and alarm, alarm non-trip function, which can protect the line and power supplyIn addition to not being damaged, the equipment also has the ability to feed back the current, voltage, power, electric energy, frequency, etc. of the product to the host computer or other energy efficiency management systems.Information such as lifespan, opening and closing status, number of operations, etc. can be used to detect and monitor circuit breakers, reduce the operation and maintenance costs of the power grid, and provide information for the future.Energy efficiency systems provide the necessary data.

DAM1Z-2000 series Moulded case circuit breaker (hereinafter referred to as circuit breaker), rated insulation voltage is 1200V, suitable for rated operationVoltage DC500V (2P series connection), DC600V (2P series connection), DC750V (3P series connection), DC1000V (4P series connection), DC1200V (4PSeries), used to distribute electric energy in circuits with rated operating currents of 800A, 1000A, 1250A, 1500A, 1600A, and 2000A.At the same time, it protects lines and power equipment from overload, short circuit, and undervoltage (with undervoltage release).

With isolation function, its corresponding symbol is:

Comply with standards: IEC60947-2, GB/T 14048.2.

● 型号说明 Model description

DA	M	1	□	-	2000	□	□	/	□
企业特征代号 Enterprise characteristic code.	塑壳式断路器 Molded case circuit breaker;	设计序号 Design serial number	产品类型代号: 见注1; Product type code: see note 1;		壳架电流 Inm(A):2000; Frame current Inm(A): 2000;	分断等级代号：L、M、H Breaking grade code: L, M, H	额定电流：见注2; Rated current: see note 2;		极数:3极、4极 Number of poles: 3 poles, 4 poles

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注:1) 产品类型代号:交流热磁式:无代号;电子式-E;直流热磁式-Z;
2) 额定电流:800A、1000A、1250、1500A、1600A、2000A;
3) 脱扣器代号：无：热磁脱扣器；ETB：电子脱扣器；ETC：智能脱扣器；

Note: 1) Product type code: AC thermal magnetic type: no code; electronic type-E; DC thermal magnetic type-Z;
2) Rated current: 800A, 1000A, 1250, 1500A, 1600A, 2000A;
3) Release code: None: Thermal magnetic release; ETB: Electronic release; ETC: Intelligent release;

● 主要技术参数 Main technical parameters

壳架电流Inm Frame current Inm		2000A
额定电流In Rated current In	DAM1-2000/DAM1E-2000	800A、1000A、1250A、1600A、2000A
	DAM1Z-2000	800A、1000A、1250A、1500A、1600A、2000A
额定电压Ue（V） Rated voltage Ue (V)	DAM1-2000/DAM1E-2000	AC380/400V/415、AC500 AC660/690、AC800V
	DAM1Z-2000	DC500V、DC600V、DC750V、DC1000V、DC1200V
使用类别 Usage categories		A（热磁式）/B(电子式) A (thermal magnetic type)/B (electronic type)
额定冲击耐压Uimp Rated impact voltage Uimp		12kV
额定绝缘电压Ui Rated insulation voltage Ui	DAM1-2000/DAM1E-2000	1000V
	DAM1Z-2000	1200V
工频耐压（1分钟）Power frequency withstand voltage (1 minute)		3500V

分断能力 Dividing ability	型号 Model	代号 Code name	L（Icu/Ics）	M（Icu/Ics）	H（Icu/Ics）
额定极限分断能力；Icu（kA）/额定运行分断能力：Ics（kA） Rated ultimate breaking capacity; Icu (kA)/ Rated operating breaking capacity: Ics (kA)	DAM1-2000 DAM1E-2000	AC380/400V/415V	50/50	60/60	100/100
		AC500V	40/40	50/50	85/70
		AC660/690V	20/20	35/35	50/42
		AC800V	/	/	30/20
	DAM1Z-2000	DC500V (2P series connection)	/	45/45	/
		DC600V (2P series connection)	/	35/35	/
		DC750V (3P series connection)	/	45/45	/
		DC1000V (4P series connection)	/	45/45	/
		DC1200V (4P series connection)	/	35/35	/

○ 产品温度变化海拔变化后的降容系数表

○ Derating coefficient table after product temperature changes and altitude changes

DAM1(Z)-2000塑料式断路器的环温降系数表

Ambient temperature drop coefficient table of DAM1(Z)-2000 Moulded case circuit breaker

周围环境湿度 Ambient humidity	修正系数 Correction factor	周围环境湿度 Ambient humidity	修正系数 Correction factor	周围环境湿度 Ambient humidity	修正系数 Correction factor
40℃	1	50℃	0.94	60℃	0.83
45℃	0.97	55℃	0.85	70℃	0.75

注：1、以上降容系数均为壳架电流下测得；2、当使用环境低于+40℃时，产品可正常使用，不存在降容；

Note: 1. The above derating coefficients are measured under frame current; 2. When the operating environment is lower than +40℃, the product can be used normally without derating;