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2018.02

C·DADA

产品手册

Product catalogue

塑料外壳式断路器/小型断路器

MOULDED CASE CIRCUIT BREAKERS / MINIATURE CIRCUIT BREAKERS

www.cdada.net

上海达达电气有限公司

SHANGHAI DADA ELECTRIC CO.,LTD.

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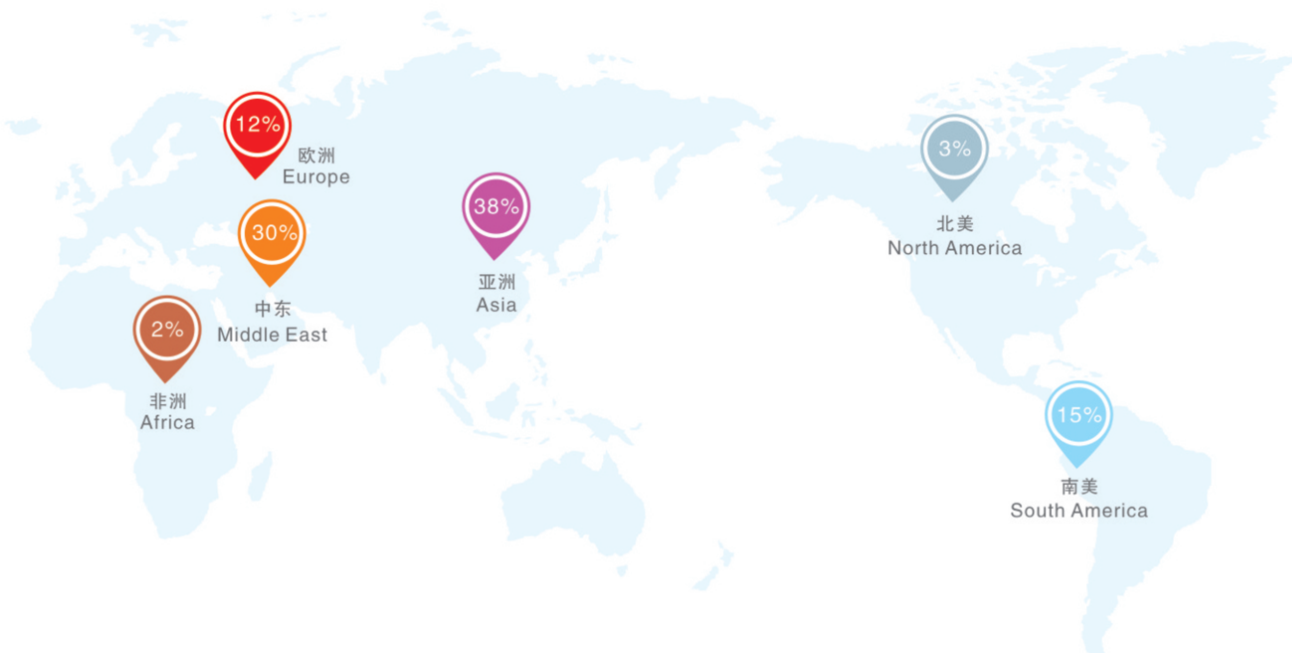

非洲(Africa) 北美(North America)
欧洲(Europe) 南美(South America)
亚洲(Asia) 中东(Middle East)

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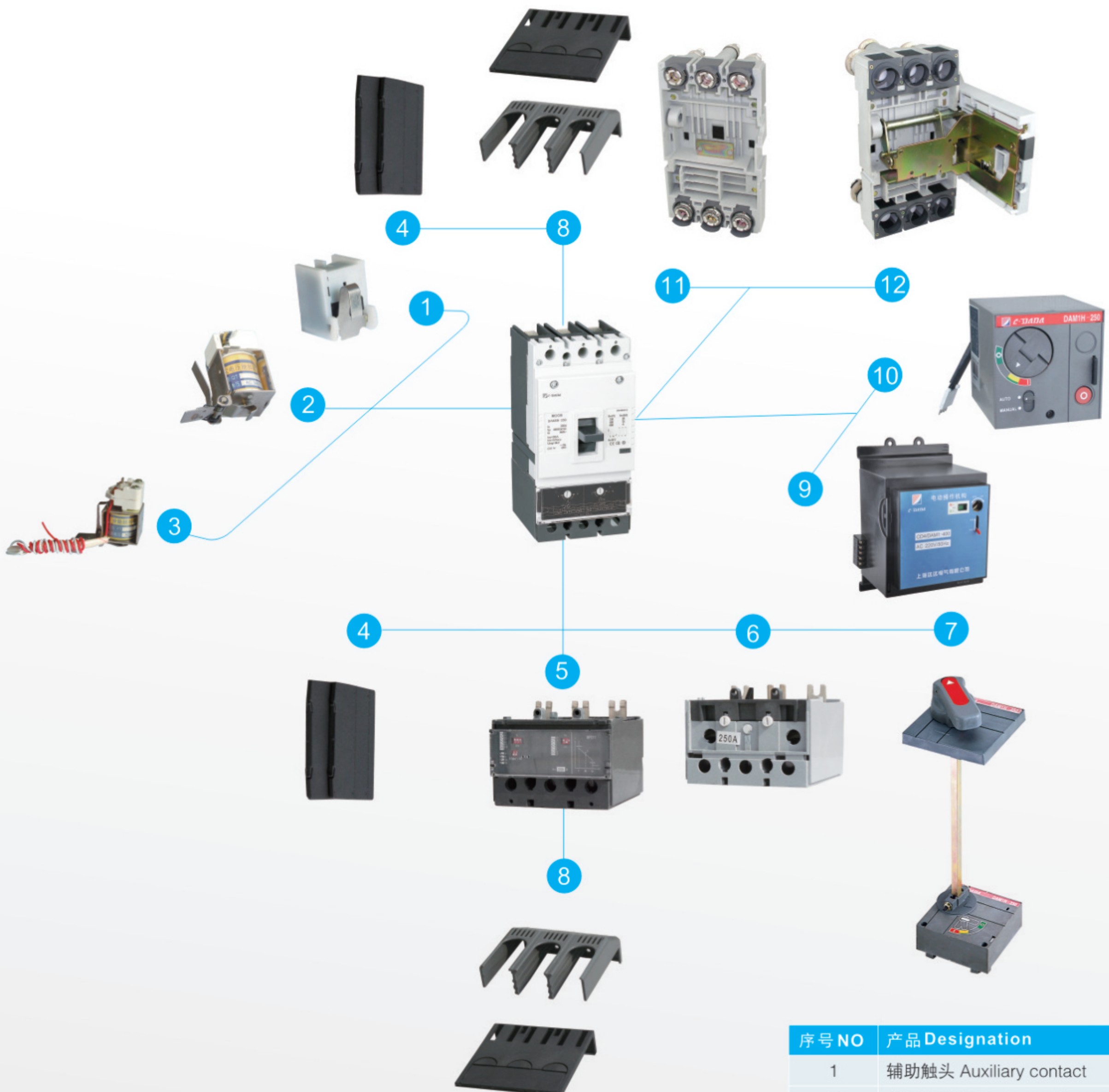


序号NO	产品Designation
1	辅助触头 Auxiliary contact
2	欠压脱扣器 Under–voltage release
3	分励脱扣器 Shunt release
4	隔弧板 Interface barrier
5	电子脱扣器 Electronic release
6	热磁脱扣器 Thermo–magnetic release
7	手操 Handle operating mechanism
8	插板 Terminal cover
9	电操 Motor mechanism
10	电操 Electrical operating mechanism
11	插入式 Plug–in device
12	抽屉式 Draw–out device

型号及含义 Types and meanings

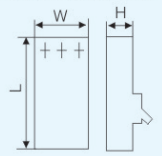
DA M 1□ - □□/□□/□□/□

- 用途代号
  Applicantion code※
- 脱扣器方式及附件代号（见表二）
  Release pattern and accessories code(see Table2)
- 极数3极无代号，3极4线用“3N”表示，4极用“4”表示，N极有保护用“4B”表示
  Pole numbdr, empty for 3 poles, "3N" for 3-pole-4-wire,"4" for 4 poles, "4B" for N-poles with protective function.
- 操作方式代号
  Operation pattern Code ※※
- 断路器额定电流In
  Circuit breaker Rated current In
- L代表剩余电流动作断路器
  L means Residual-current operation circuit breaker
- 断路器壳架等级额定电流Inm
  Circuit breaker Rated of frame size current Inm
- 额定极限短路分段能力级别代号（见表一）
  Grade of the rated maximum value of the short-circuita breaking ability(see Table1)
  Codes of different ulti mate
- 设计代号
  Design code
- 塑料外壳式断路器
  Moulded case circuit breaker
- 企业产品代号
  Code of enterprise

注：用于配电的断路器无代号；用于保护电动机的断路器以2表示。手柄直接操作无代号；转动手柄操作用Z表示；电动操作用D表示。
indicates those breaker to protect motor.
※※No code for those directly operated by handle,code Z indicates those operated by rotary handle operating mechanism and dindicates those operated by electric power.

DAM	1	N	— 160	L	160	3P
公司代码 company code	设计代码 Design Code	分断能力代码 Breaking capacity code	壳架额定电流Inm(A) Rated frame current Inm(A)	漏电保护延时 Earth leakage protection relay	额定电流In(A) Rated current In(A)	极数 Poles
		B:25kA	125	4P (A): Neutral unprotected, without on and off	10A…125A	1P
		N:35kA	160	4P(B):无N极保护,带通断 4P (B): Neutral unprotected, on and off	10A…160A	2P
		S:50kA	250	4P(C):N极保护，带通断 4P (C): Neutral protected, on and off	63A…250A	3P
		H:70kA	400		250A…400A	4P(A):无N极保护,不通断 4P (A): Neutral unprotected, without on and off
			630		250A…600A	4P(B):无N极保护,带通断 4P (B): Neutral unprotected, on and off
			800		400A…600A	4P(C):N极保护，带通断 4P (C): Neutral protected, on and off
			1600		800A…600A	

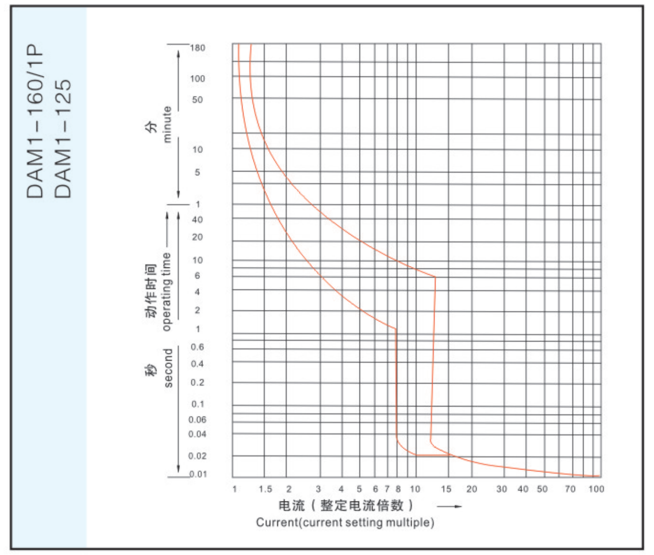
热磁式断路器
Thermal-Magnetic Circuit Breakers

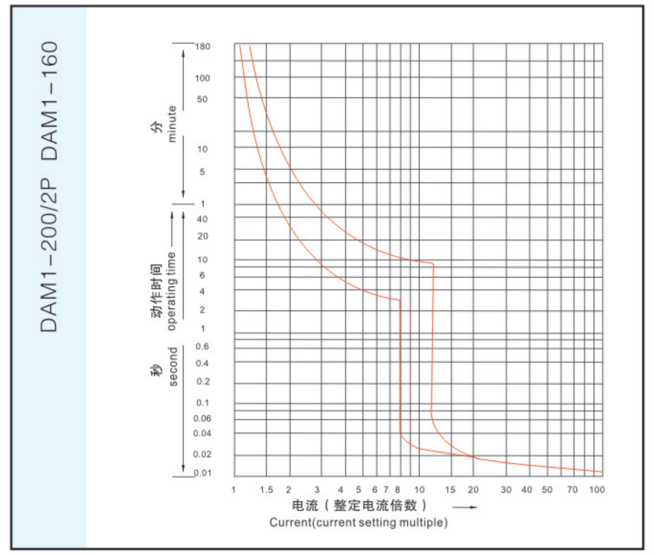
	DAM1–160		DAM1–200	
				
壳架 Model	DAM1–160		DAM1–200	
分断能力代码 Breaking Capacity Code	B	N	B	N
壳架等级额定电流 Rated Current of Frame size– Inm (A)	160A		200A	
额定电流 Rated Current–In(40,50 or 55℃)	10 – 12,5 – 16 – 20 (A)– 25 – 32 – 40 – 50 – 63– 80 – 100 – 125–160A		10 – 12,5 – 16 – 20 – 25 – 32 – 40 – 50 – 63– 80 – 100 – 125–160(200)A	
额定绝缘电压 Rated Insulation Voltage –Ui(a.c.) 50–60Hz (V)	500V		750V	
额定工作电压 Rated operation Voltage –Ue(a.c.) 50–60Hz (V)	230V		400V	
极数 Number of Pole	1P		2P	
额定极限短路分断能力 Rated ultimate short Circuit breaking Capacity kA Icu AC400V/50Hz O–CO (KA)	25	36	25	36
额定运行短路分断能力 Rated service short Circuit breaking Capacity kA Ics AC400V/50Hz O–CO–CO (KA)	18.75	27	18.75	27
额定短路接通能力 Rated short–circuit breaking capacity Icm(peak)/cos ϕ AC400V/50HZ O–CO (KA)	40/0.3	135/0.25	40/0.3	
额定冲击耐受电压 Rated impulse withstand Voltage –Uimp (V)	10000		10000	
介电性能 Dielectric Propery (V)	2500		2500	
飞弧距离 Ionization distance	(mm) ≤30/0		≤30/0	
使用寿命 Endurance — 总次数 Total Cycles	20000		15000	
使用寿命 Endurance — 使用电寿命 Electrical Life	3000		2500	
使用寿命 Endurance — 使用机械寿命 Mechanical Life	17000		12500	
过电流脱扣 Over Current trip — 热可调 Thermal release adjustable	–		–	
过电流脱扣 Over Current trip — 磁可调 Magnetic release adjustable (5In–10In)	–		–	
过电流脱扣 Over Current trip — 热磁固定式 Thermal and Magnetic release fix type	√		√	
使用类别Category (EN 60947–2/IEC 60947–2) — 主电路 Main circuit	A/0		A/0	
使用类别Category (EN 60947–2/IEC 60947–2) — 辅助电路及控制电路 Auxiliary circuit	AC–15		AC–15	
欠压脱扣器 Under Voltage Release	–		√	
分励脱扣器 Shunt Release	–		√	
辅助触头 Auxiliary Contact	–		–	
报警触头 Alarm Contact	–		–	
辅连报触头 Auxiliary Contact and Alarm Contact	–		–	
手操 Handle Operation Mechanism	–		–	
电操 Electrical Operation Mechanism	–		–	
挂扣 DIN clips	√		√	
插板 Terminal cover	–		–	
隔板 Phase seperator	–		√	
加长手柄 Extention Handle	–		–	
外形尺寸 Outine dimensions  W H L — 宽W (mm) 3P	30		60	
宽W (mm) 4P	–		–	
长L (mm) 3P	120		120	
长L (mm) 4P	–		–	
厚H (mm) 3P	70		70	
厚H (mm) 4P	–		–	
重量 Weight — 固定式 Fixed version 3P/4P	0.92/1.3		0.92/1.3	
重量 Weight — 插入式 Plug–in version 3P/4P	–		–	
重量 Weight — 抽出式 Draw out version 3P/4P	–		–	

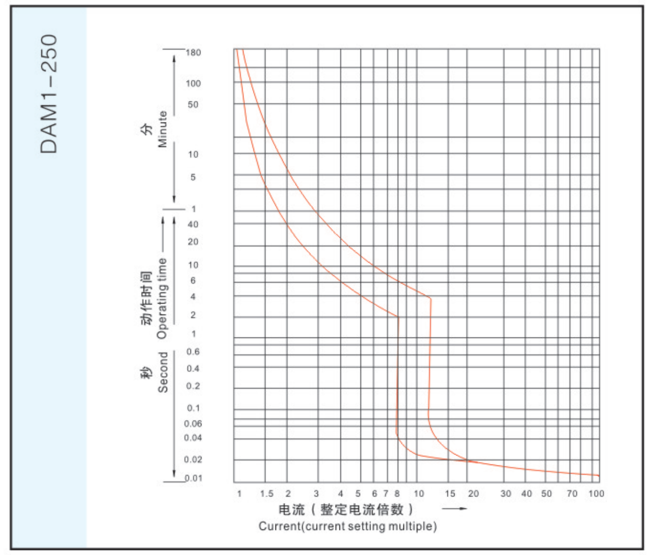
	DAM1–125			DAM1–160			DAM1–250			
										
壳架 Model	DAM1–125			DAM1–160			DAM1–250			
分断能力代码 Breaking Capacity Code	B	N	S	B	N	S	N	S	H	G
壳架等级额定电流 Rated Current of Frame size– Inm (A)	125A			160A			250A			
额定电流 Rated Current–In(40,50 or 55℃) (A)	10 – 12,5 – 16 – 20 – 25 – 32(30) – 40 – 50 – 63(60)– 80 – 100 – 125A			10– 12,5–16–20 – 25– 32 – 40 – 50 – 63 – 80 –100 –125 – 160(150)A			63 – 80–100–125 – 160(180) – 200(225) – 250(320)A			
额定绝缘电压 Rated Insulation Voltage –Ui(a.c.) 50–60Hz (V)	750V			750V			750V			
额定工作电压 Rated operation Voltage –Ue(a.c.) 50–60Hz (V)	400V			400/415V			400/415V			
极数 Number of Pole	3P / 4P			3P / 4P			3P /4P			
额定极限短路分断能力 Icu (KA)	25	35	50	25	35	50	35	50	65	85
额定运行短路分断能力 Ics (KA)	12.5	17.5	37.5	12.5	26.25	37.5	26.25	37.5	48.75	51
额定短路接通能力 Icm(peak)/cos ϕ (KA)	40/0.3	73.5/0.25	105/0.25	41/0.3	73.5/0.25	110/0.25	77/0.25	114/0.25	143/0.2	178/0.2
额定冲击耐受电压 Rated impulse withstand Voltage –Uimp (V)	10000			8000			8000			
介电性能 Dielectric Propery (V)	2500			3000			3000			
飞弧距离 Ionization distance (mm)	≤30/0			≤30/0			≤30/0※			
总次数 Total Cycles	8000			8000			8000			
使用电寿命 Electrical Life	1000			1000			1000			
使用机械寿命 Mechanical Life	7000			7000			7000			
热可调 Thermal release adjustable	–			Min:0,8In –Max:1In			Min:0,8In –Max:1In			
磁可调 Magnetic release adjustable (5In–10In)	–			–			–			
热磁固定式 Thermal and Magnetic release fix type	√			√			√			
主电路 Main circuit	A/0			A/0			A/B			
辅助电路及控制电路 Auxiliary circuit	AC–15			AC–15			AC–15			
欠压脱扣器 Under Voltage Release	√			√			√			
分励脱扣器 Shunt Release	√			√			√			
辅助触头 Auxiliary Contact	√			√			√			
报警触头 Alarm Contact	√			√			√			
辅连报触头 Auxiliary Contact and Alarm Contact	√			√			√			
手操 Handle Operation Mechanism	√			√			√			
电操 Electrical Operation Mechanism	√			√			√			
挂扣 DIN clips	√			√			–			
插板 Terminal cover	√			√			√			
隔板 Phase seperator	√			√			√			
加长手柄 Extention Handle	–			–			–			
宽W (mm) 3P	76			90			105			
宽W (mm) 4P	101			120			140			
长L (mm) 3P	120			120			170			
长L (mm) 4P	120			120			170			
厚H (mm) 3P	70			70			103.5			
厚H (mm) 4P	70			70			103.5			
固定式 Fixed version 3P/4P	0.92/1.3			1.2/1.6			2.7/3.5		41.5/5.5	
插入式 Plug–in version 3P/4P	1.2/1.5			1.4/1.8			3.2/4.2		4.6/6	
抽出式 Draw out version 3P/4P	–			–			3.6/4.6		5/6.4	

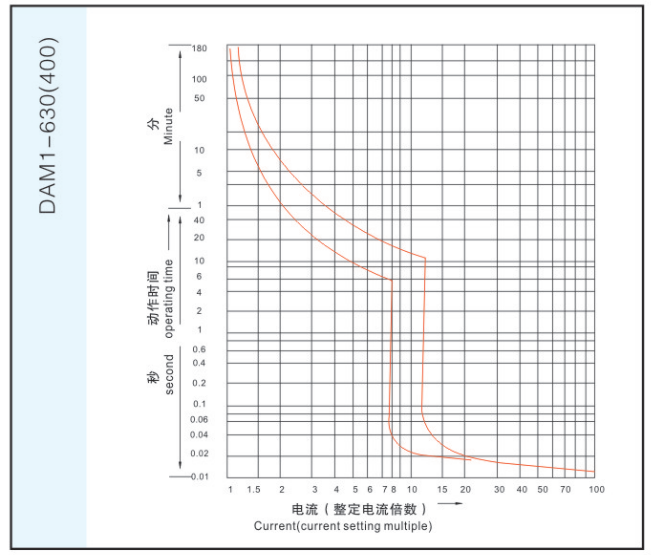
	DAM1–630(400)				DAM1–800				DAM1–1600		
											
壳架 Model	DAM1–630(400)				DAM1–800				DAM1–1600		
分断能力代码 Breaking Capacity Code	N	S	H	G	N	S	H	G	S	H	G
壳架等级额定电流 Rated Current of Frame size– Inm (A)	400A				800A				1600A		
额定电流 Rated Current–In(40,50 or 55℃) (A)	250 – 315 (350)– 400 – 500 – 630A				400 – 500 – 630 (700)– 800 –1000A				800 –1000 – 1250 – 1600A		
额定绝缘电压 Rated Insulation Voltage –Ui(a.c.) 50–60Hz (V)	750V				750V				750V		
额定工作电压 Rated operation Voltage –Ue(a.c.) 50–60Hz (V)	400/415V				400/415V				400V		
极数 Number of Pole	3P /4P				3P /4P				3P / 4P		
额定极限短路分断能力 Icu (KA)	35	50	70	85	35	50	70	85	65	85	100
额定运行短路分断能力 Ics (KA)	26.25	37.5	52.5	52.5	35	37.5	52.5	52.5	50	50	50
额定短路接通能力 Icm(peak)/cos ϕ (KA)	70/0.25	110/0.25	154/0.2	187/0.2	77/0.25	100/0.25	154/0.2	187/0.2	105/0.25	143/0.2	220/0.2
额定冲击耐受电压 Rated impulse withstand Voltage –Uimp (V)	8000				8000				8000		
介电性能 Dielectric Propery (V)	3000				3000				3000		
飞弧距离 Ionization distance (mm)	≤60/0※				≤80/0※				≤80/0※		
总次数 Total Cycles	5000				5000				3000		
使用电寿命 Electrical Life	1000				1000				500		
使用机械寿命 Mechanical Life	4000				4000				2500		
热可调 Thermal release adjustable	Min:0,8In –Max:1In				Min:0,8In –Max:1In				Min:0,8In –Max:1In		
磁可调 Magnetic release adjustable (5In–10In)	–				–				–		
热磁固定式 Thermal and Magnetic release fix type	√				√				√		
主电路 Main circuit	A/B				A/B				A/B		
辅助电路及控制电路 Auxiliary circuit	AC–15				AC–15				AC–15		
欠压脱扣器 Under Voltage Release	√				√				√		
分励脱扣器 Shunt Release	√				√				√		
辅助触头 Auxiliary Contact	√				√				√		
报警触头 Alarm Contact	√				√				√		
辅连报触头 Auxiliary Contact and Alarm Contact	√				√				√		
手操 Handle Operation Mechanism	√				√				√		
电操 Electrical Operation Mechanism	√				√				√		
挂扣 DIN clips	–				–				–		
插板 Terminal cover	√				√				√		
隔板 Phase seperator	√				√				√		
加长手柄 Extention Handle	√				√				√		
宽W (mm) 3P	140				210				210		
宽W (mm) 4P	184				280				280		
长L (mm) 3P	255				268				406		
长L (mm) 4P	255				268				406		
厚H (mm) 3P	103.5				103.5				138.5		
厚H (mm) 4P	103.5				103.5				138.5		
固定式 Fixed version 3P/4P	5.1/7.1				9.6/12.5				17.2/22.2		
插入式 Plug–in version 3P/4P	6.5/8.5				–				–		
抽出式 Draw out version 3P/4P	6.5/8.7				12.2/15.3				22/30.1		

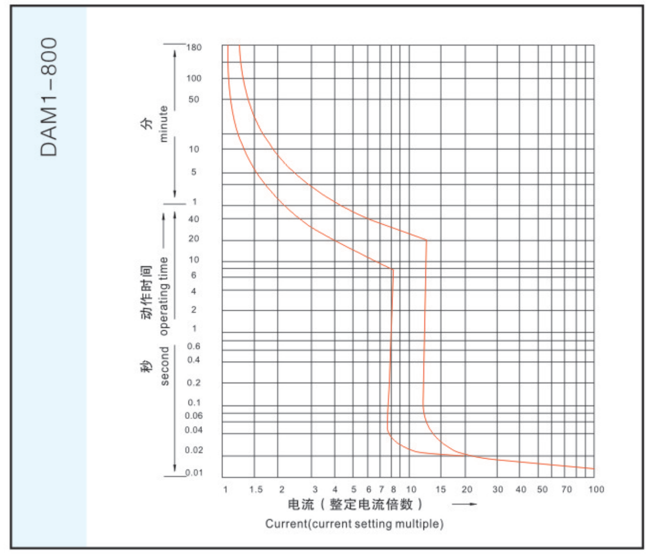
特性曲线Protective Curve









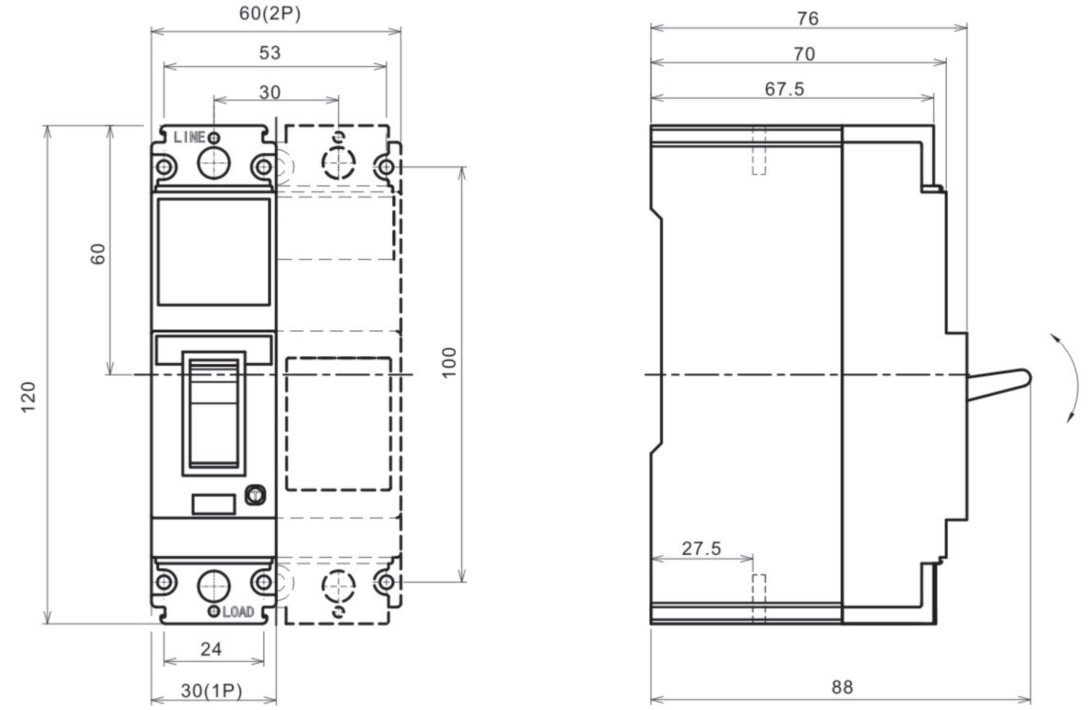


MCCB
CBR

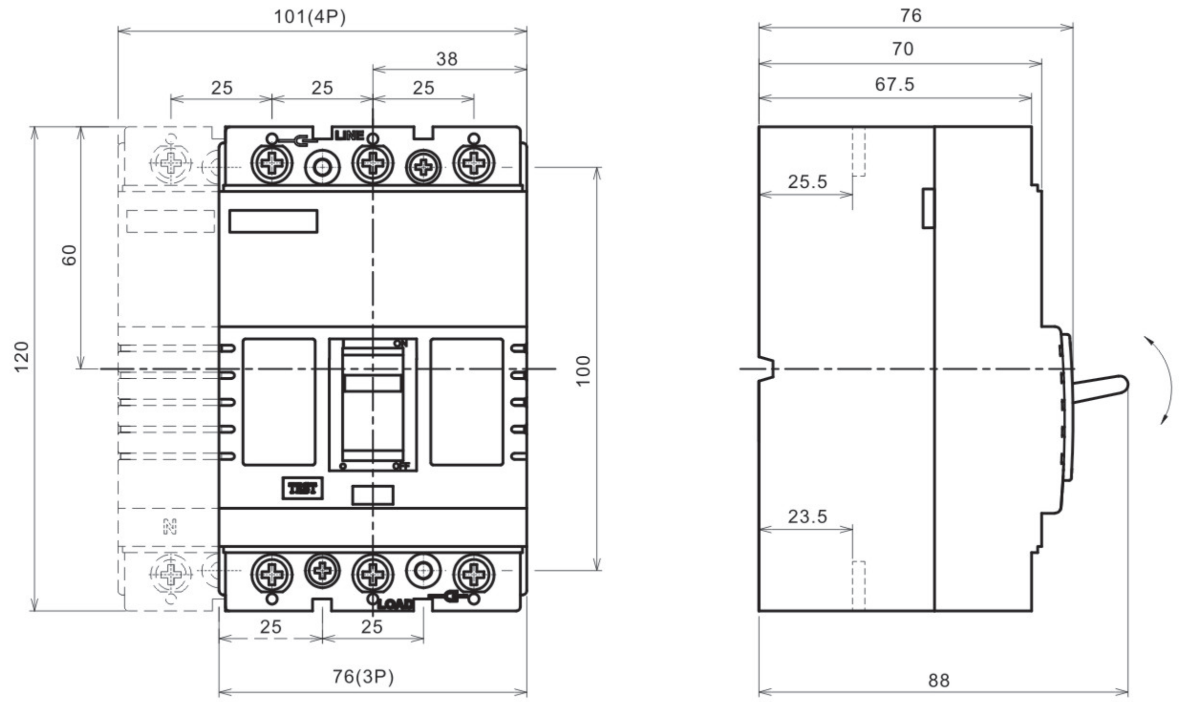
热磁式断路器
Thermal-Magnetic Circuit Breakers
热磁双可调断路器(TAMA)
Thermal Adjustable Magnetic adjustable Circuit Breakers (TAMA)
电子式断路器
Electronic Circuit Breakers
漏电断路器（ELCB）
Earth-Leakage Circuit Breakers(ELCB)

外形尺寸 Outline dimension

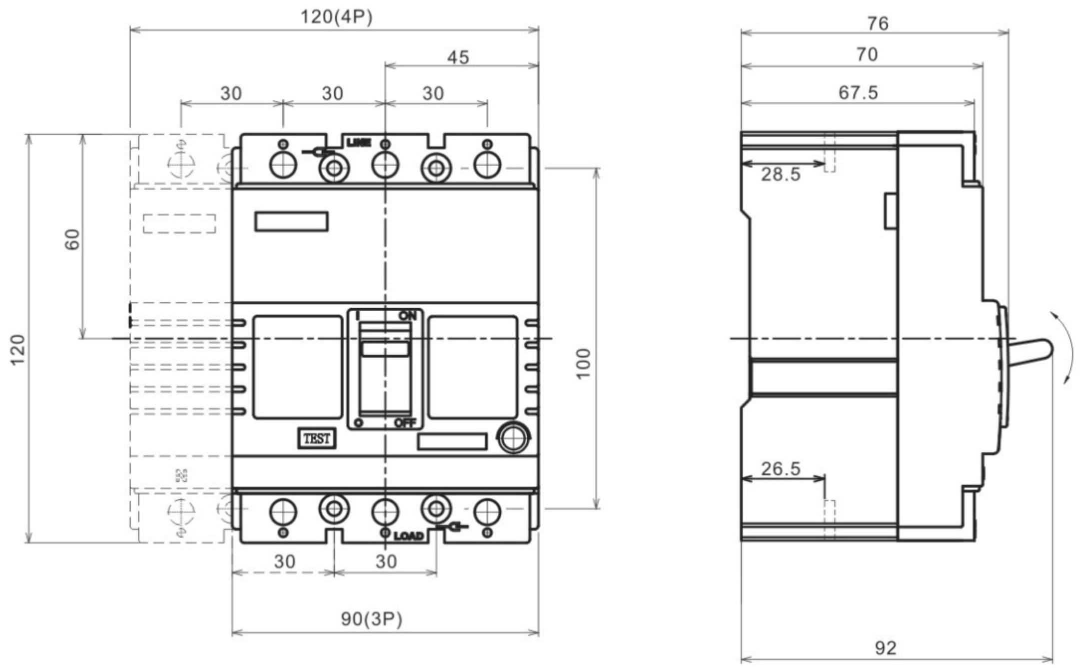
DAM1-160/1P/2P



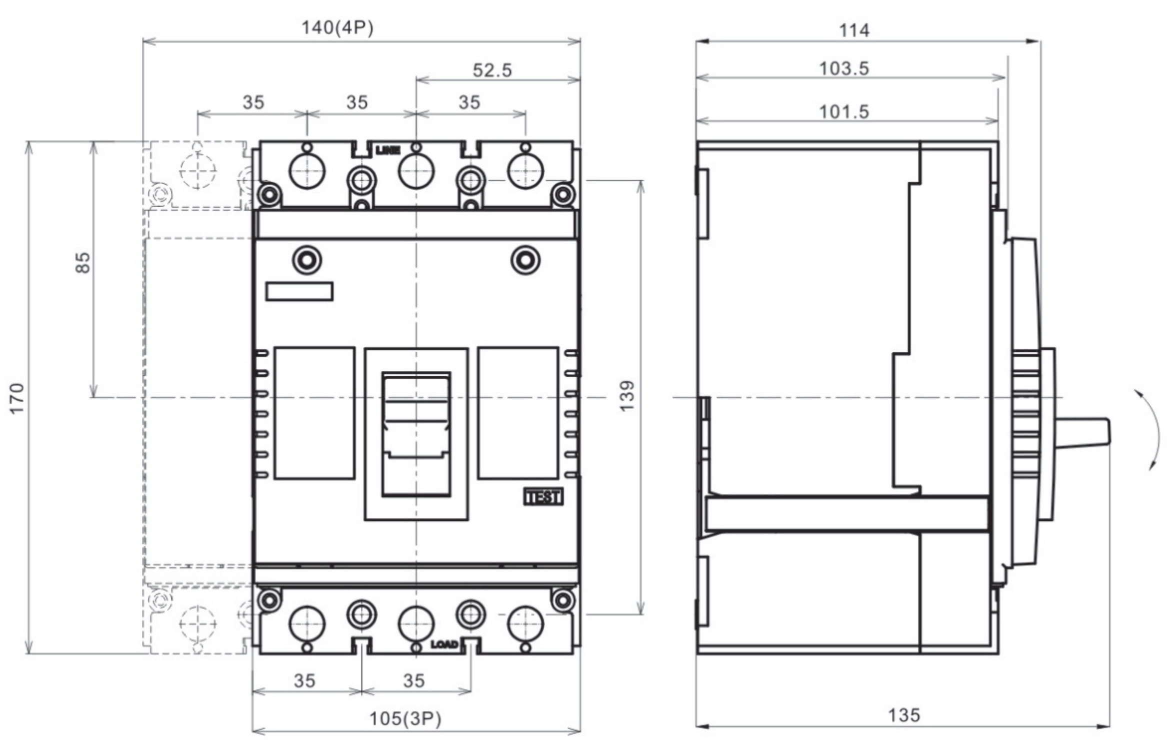
DAM1-125/3P/4P



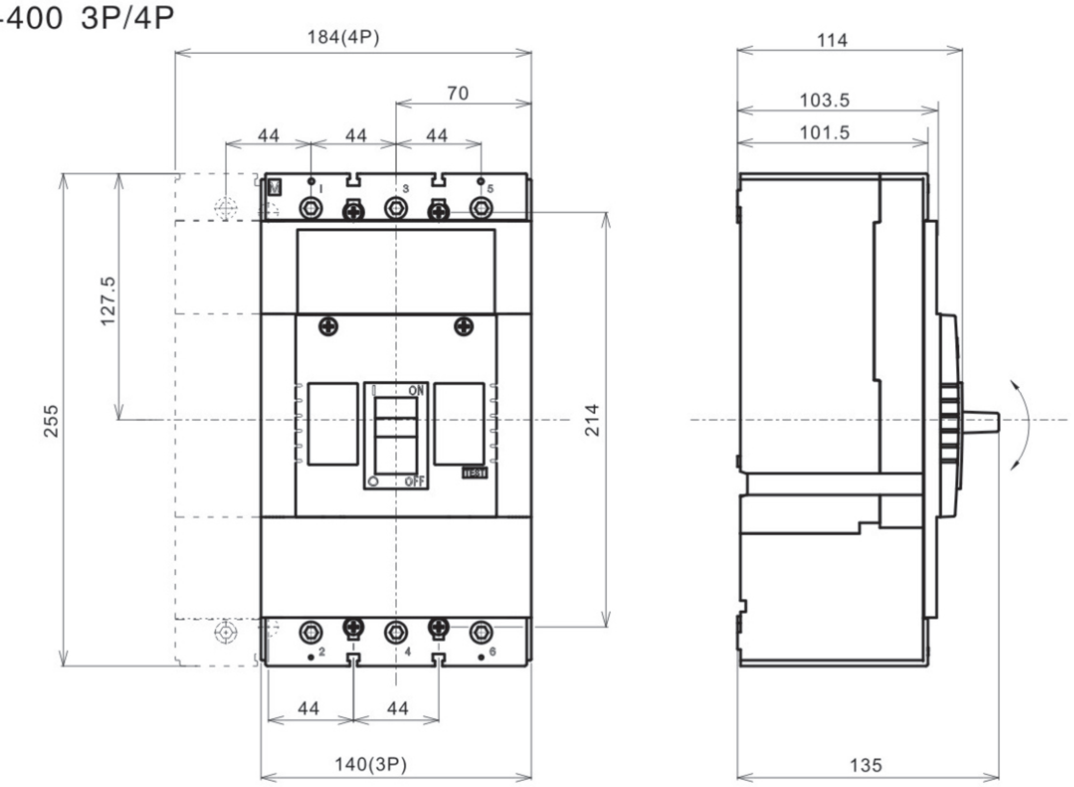
DAM1-160/3P/4P



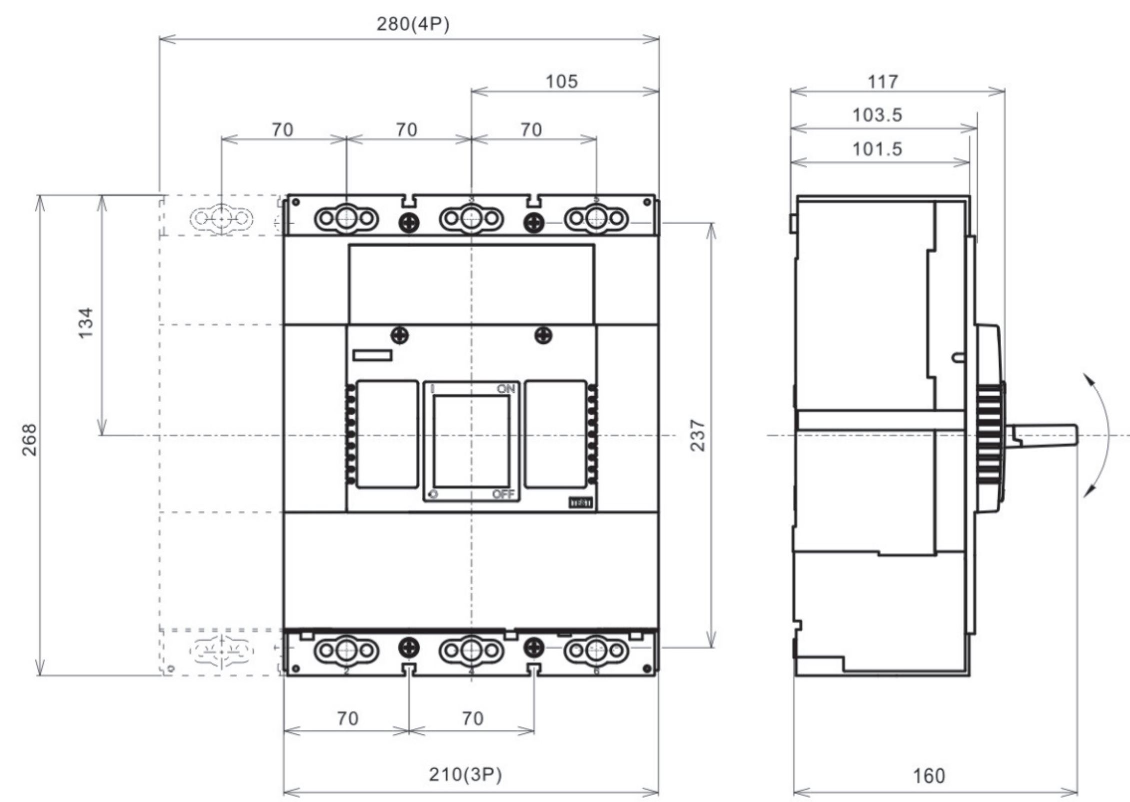
DAM1-250/3P/4P



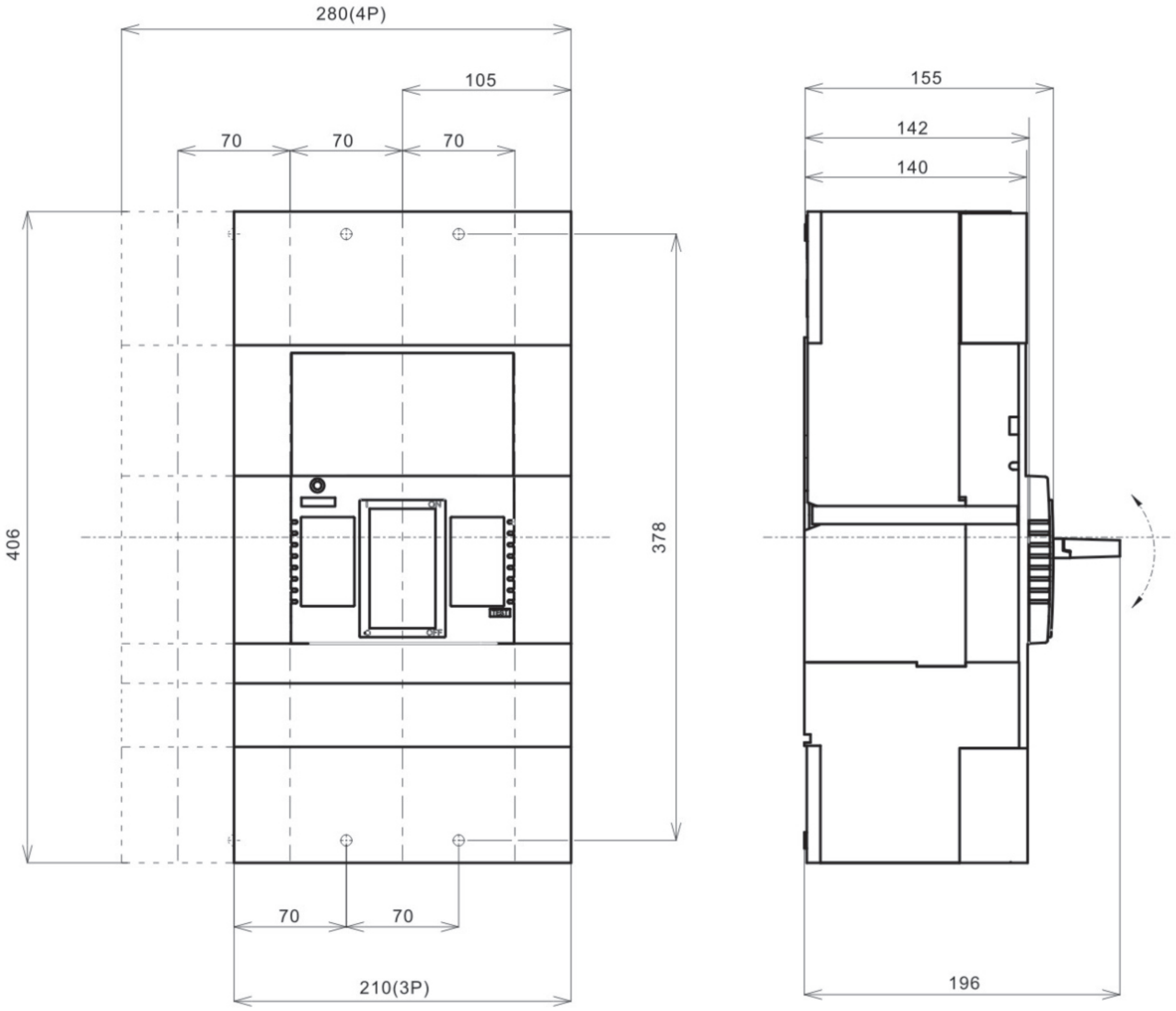
DAM1-400 3P/4P



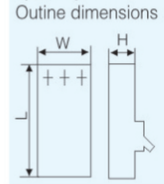
DAM1-800 3P/4P



DAM1-1600 3P/4P



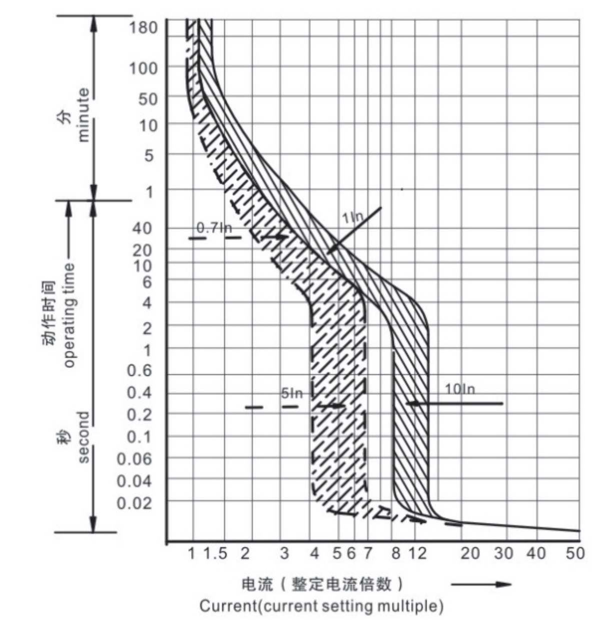
塑壳断路器 MCCB
塑壳断路器附件 MCCB accessory
小型断路器 MCB

热磁双可调断路器 **Thermal Adjustable Magnetic adjustable Circuit Breakers (TAMA)**															
壳架 Model	DAM1-250				DAM1-630(400)				DAM1-800				DAM1-1600		
分断能力代码 Breaking Capacity Code	N	S	H	G	N	S	H	G	N	S	H	G	S	H	G
壳架等级额定电流 Rated Current of Frame size- Inm (A)	250A				400A				800A				1600A		
额定电流 Rated Current-In(40,50 or 55℃) (A)	125 - 160(180) - 200(225) - 250 -320A				250 - 315 (350)- 400 - 500 - 630A				400- 500-630 (700)- 800-1000A				800 -1000 - 1250 - 1600A		
额定绝缘电压 Rated Insulation Voltage -Ui(a.c.) 50-60Hz (V)	750V				750V				750V				750V		
额定工作电压 Rated operation Voltage -Ue(a.c.) 50-60Hz (V)	400/415V				400/415V				400/415V				400V		
极数 Number of Pole	3P				3P /4P				3P				3P		
额定极限短路分断能力 Rated ultimate short Circuit breaking Capacity kA Icu AC400V/50Hz O-CO (KA)	35	50	65	85	35	50	70	85	35	50	70	85	65	85	100
额定运行短路分断能力 Rated service short Circuit breaking Capacity kA Ics AC400V/50Hz O-CO-CO (KA)	26.25	37.5	48.75	51	26.25	37.5	52.5	52.5	35	37.5	52.5	52.5	50	50	50
额定短路接通能力（峰值）Rated short-circuit breaking capacity Icm(peak)/cos φ AC400V/50HZ O-CO (KA)	77/ 0.25	114/ 0.25	143/ 0.2	178/ 0.2	70/ 0.25	110/ 0.25	154/ 0.2	187/ 0.2	77/ 0.25	100/ 0.25	154/ 0.2	187/ 0.2	105/ 0.25	143/ 0.2	220/ 0.2
额定冲击耐受电压 Rated impulse withstand Voltage -Uimp (V)	8000				8000				8000				8000		
介电性能 Dielectric Propery (V)	3000				3000				3000				3000		
飞弧距离 Ionization distance (mm)	≤30/0※				≤60/0※				≤80/0※				≤80/0※		
使用寿命 Endurance — 总次数 Total Cycles	8000				5000				5000				3000		
使用寿命 Endurance — 使用电寿命 Electrical Life	1000				1000				1000				500		
使用寿命 Endurance — 使用机械寿命 Mechanical Life	7000				4000				4000				2500		
过电流脱扣 Over Current trip — 热可调 Thermal release adjustable	Min:0,7In -Max:1In				Min:0,7In -Max:1In				Min:0,7In -Max:1In				Min:0,7In -Max:1In		
过电流脱扣 Over Current trip — 磁可调 Magnetic release adjustable	5In-10In				5In-10In				5In-10In				5In-10In		
使用类别 Category (EN 60947-2/ IEC 60947-2) — 主电路 Main circuit	A/B				A/B				A/B				A/B		
使用类别 Category (EN 60947-2/ IEC 60947-2) — 辅助电路及控制电路 Auxiliary circuit	AC-15				AC-15				AC-15				AC-15		
欠压脱扣器 Under Voltage Release	√				√				√				√		
分励脱扣器 Shunt Release	√				√				√				√		
辅助触头 Auxiliary Contact	√				√				√				√		
报警触头 Alarm Contact	√				√				√				√		
辅连报触头 Auxiliary Contact and Alarm Contact	√				√				√				√		
手操 Handle Operation Mechanism	√				√				√				√		
电操 Electrical Operastion Mechanism	√				√				√				√		
挂扣 DIN clips	-				-				-				-		
插板 Terminal cover	√				√				√				√		
隔板 Phase seperator	√				√				√				√		
加长手柄 Extention Handle	√				√				√				√		
外形尺寸 Outine dimensions  — 宽 W (mm) 3P	105				140				210				210		
外形尺寸 Outine dimensions — 宽 W (mm) 4P	-				184				-				-		
外形尺寸 Outine dimensions — 长 L (mm) 3P	212.5				255				268				392		
外形尺寸 Outine dimensions — 长 L (mm) 4P	-				255				-				-		
外形尺寸 Outine dimensions — 厚 H (mm) 3P	103.5				103.5				103.5				138.5		
外形尺寸 Outine dimensions — 厚 H (mm) 4P	-				103.5				-				-		
重量 Weight — 固定式 Fixed version 3P/4P	2.7/3.5		41.5/5.5		5.1/7.1				9.6/12.5				17.2/22.2		
重量 Weight — 插入式 Plug-in version 3P/4P	3.2/4.2		4.6/6		6.5/8.5				-				-		
重量 Weight — 抽出式 Draw out version 3P/4P	3.6/4.6		5/6.4		6.5/8.7				12.2/15.3				22/30.1		

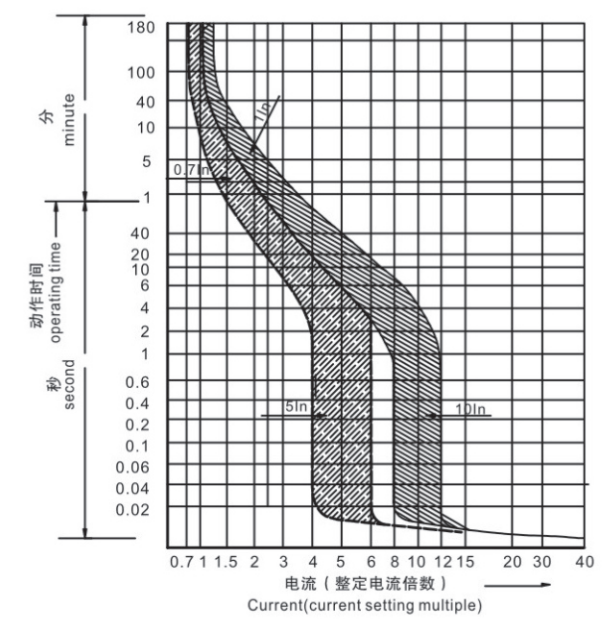
塑壳断路器 MCCB
塑壳断路器附件 MCCB accessory
小型断路器 MCB

特性曲线 Characteristic curve for TAMA

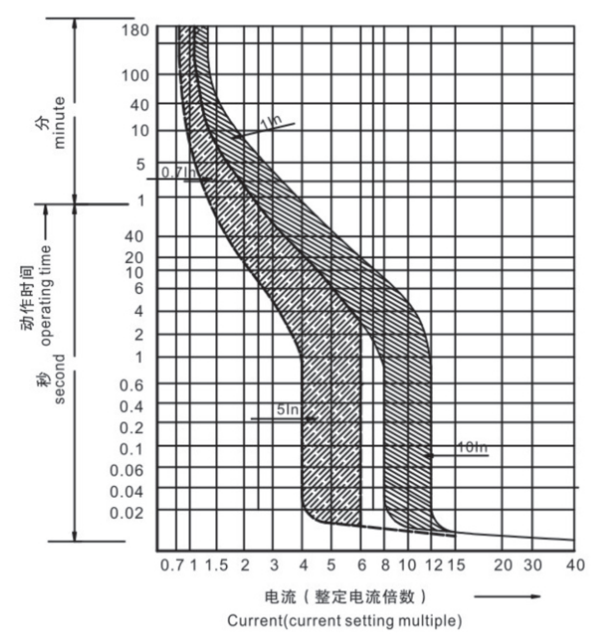
DAM1-250 TAMA



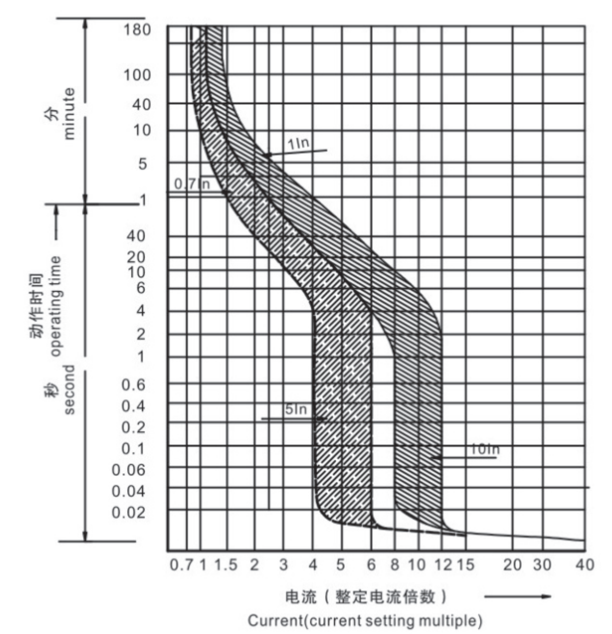
DAM1-400/630 TAMA



DAM1-800/1000 TAMA

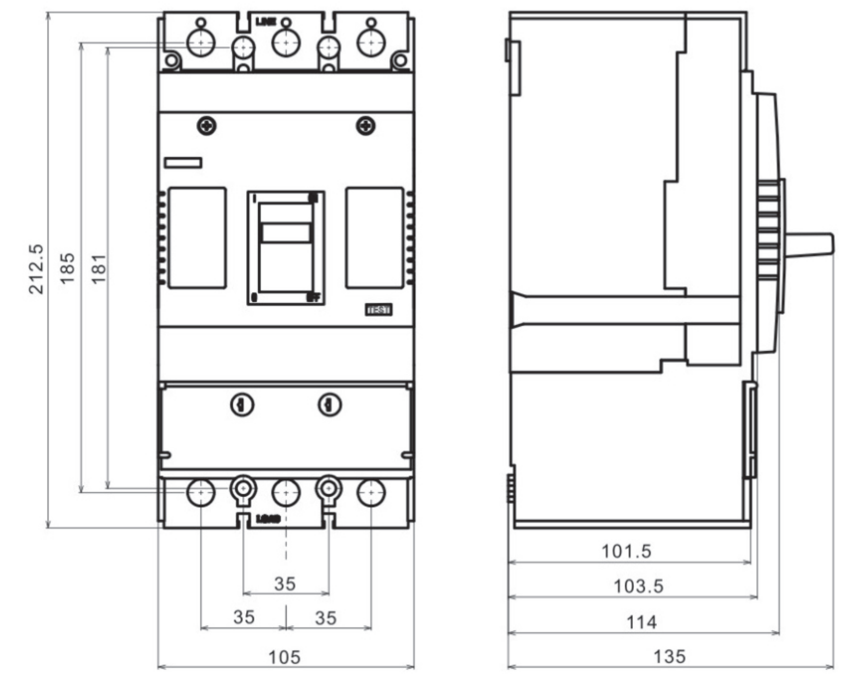


DAM1-1600 TAMA

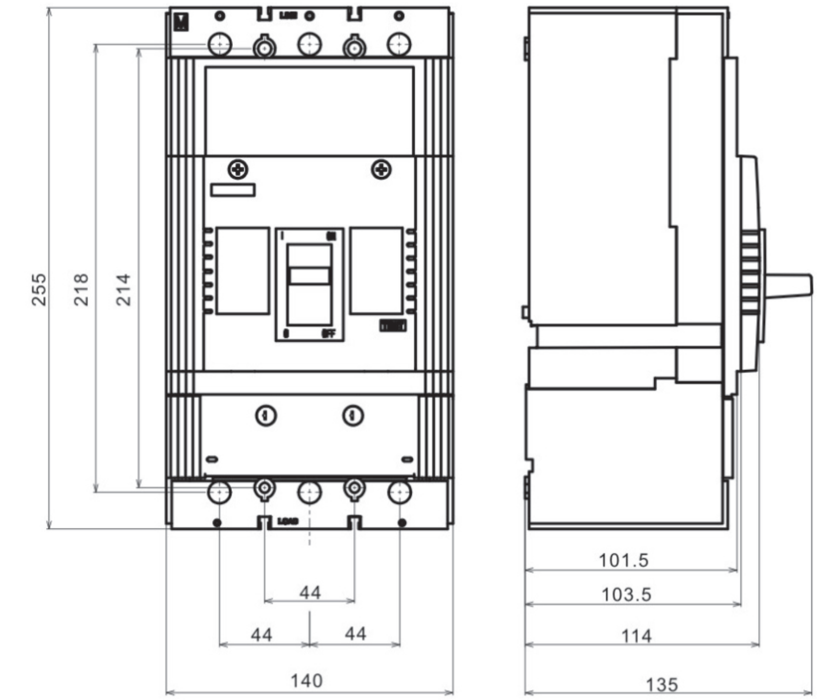


热磁双可调断路器的外形尺寸 Outline dimension for thermal-magnetic adjustable MCCB

DAM1-250

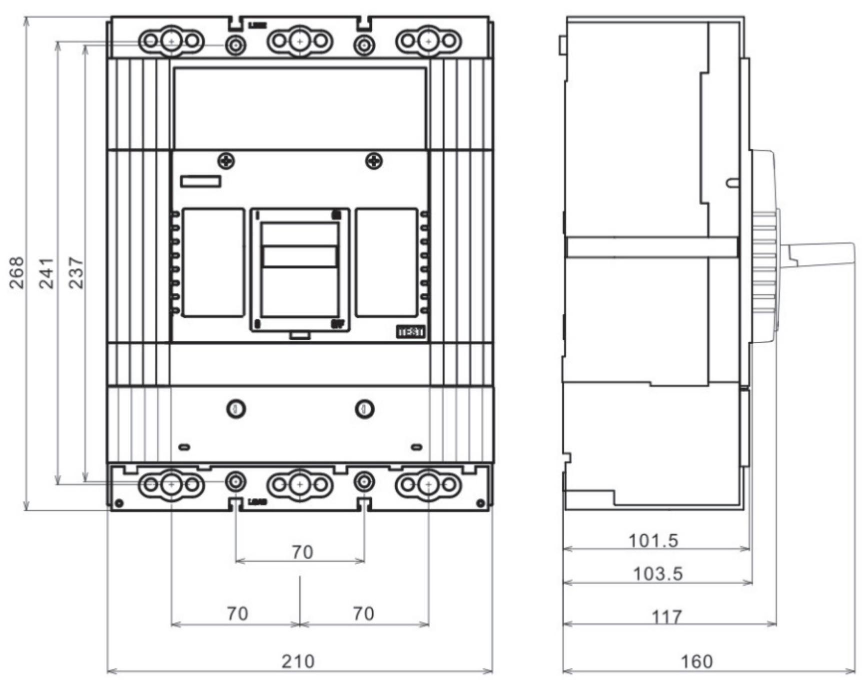


DAM1-630

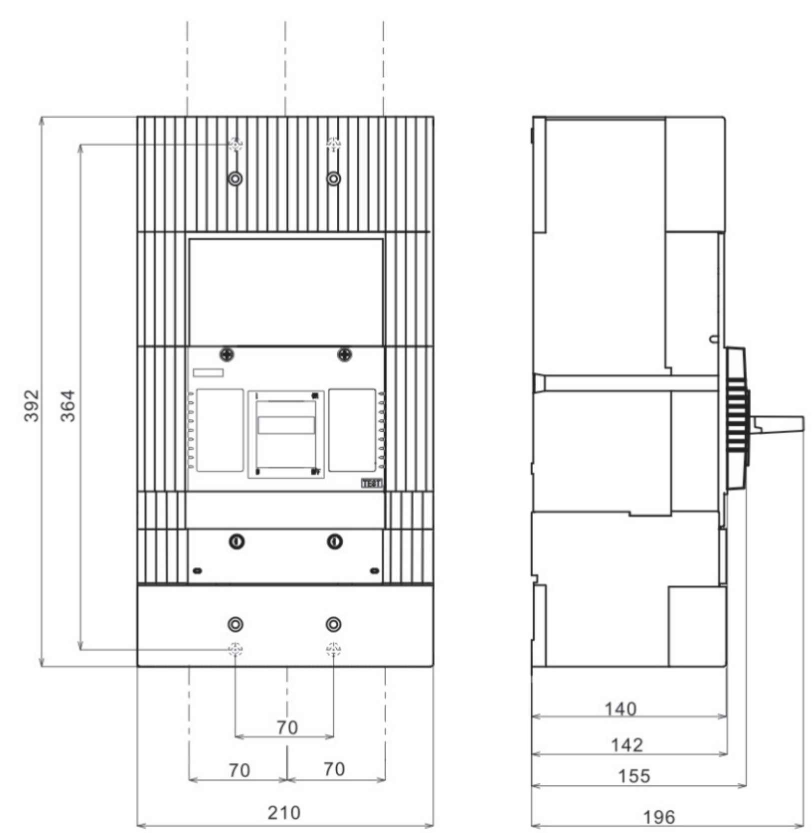


塑壳断路器 MCCB
塑壳断路器附件 MCCB accessory
小型断路器 MCB

DAM1-800



DAM1-1600

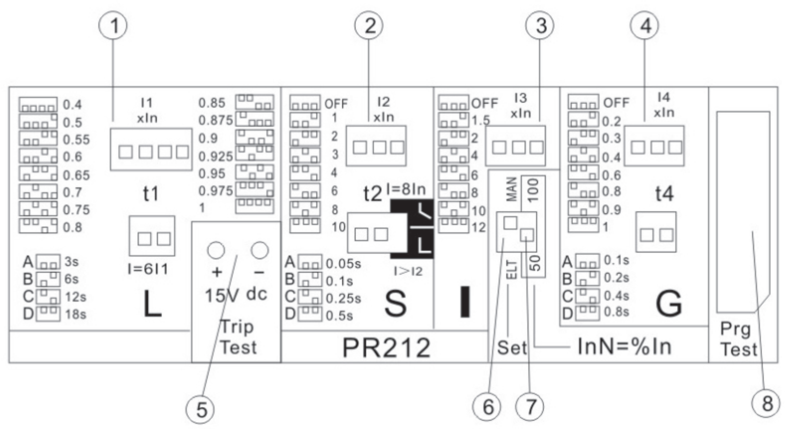


电子式断路器 Electronic Circuit Breakers															
壳架 Model	DAM1-250				DAM1-630(400)				DAM1-800				DAM1-1600		
分断能力代码 Breaking Capacity Code	N	S	H	G	N	S	H	G	N	S	H	G	S	H	G
壳架等级额定电流 Rated Current of Frame size- Inm (A)	250A				400A				800A				1600A		
额定电流 Rated Current-In(40,50 or 55℃) (A)	125 – 160(180) – 200(225) – 250 –320A				250 – 315 (350)– 400 – 500 – 630A				400 – 500 – 630 (700)– 800 –1000A				800 –1000 – 1250 – 1600A		
额定绝缘电压 Rated Insulation Voltage –Ui(a.c.) 50–60Hz (V)	750V				750V				750V				750V		
额定工作电压 Rated operation Voltage –Ue(a.c.) 50–60Hz (V)	400/415V				400/415V				400/415V				400V		
极数 Number of Pole	3P				3P /4P				3P				3P		
额定极限短路分断能力 Rated ultimate short Circuit breaking Capacity kA Icu AC400V/50Hz O-CO (KA)	35	50	65	85	35	50	70	85	35	50	70	85	65	85	100
额定运行短路分断能力 Rated service short Circuit breaking Capacity kA Ics AC400V/50Hz O-CO-CO (KA)	26.25	37.5	48.75	51	26.25	37.5	52.5	52.5	35	37.5	52.5	52.5	50	50	50
额定短路接通能力（峰值） Rated short-circuit breaking capacity Icm(peak)/cos φ AC400V/50HZ O-CO (KA)	77/ 0.25	114/ 0.25	143/ 0.2	178/ 0.2	70/ 0.25	110/ 0.25	154/ 0.2	187/ 0.2	77/ 0.25	100/ 0.25	154/ 0.2	187/ 0.2	105/ 0.25	143/ 0.2	220/ 0.2
额定冲击耐受电压 Rated impulse withstand Voltage –Uimp (V)	8000				8000				8000				8000		
介电性能 Dielectric Propery (V)	3000				3000				3000				3000		
飞弧距离 Ionization distance (mm)	≤30/0※				≤60/0※				≤80/0※				≤80/0※		
使用寿命 Endurance — 总次数 Total Cycles	8000				5000				5000				3000		
使用寿命 Endurance — 使用电寿命 Electrical Life	1000				1000				1000				500		
使用寿命 Endurance — 使用机械寿命 Mechanical Life	7000				4000				4000				2500		
过电流脱扣 Over Current trip — 热可调 Thermal release adjustable	(0,4–0,5–0,6–0,7–0,8–0,9–1)x1In				(0,4–0,5–0,6–0,7–0,8–0,9–1)x1In				(0,4–0,5–0,6–0,7–0,8–0,9–1)x1In				(0,4–0,5–0,6–0,7–0,8–0,9–1)x1In		
过电流脱扣 Over Current trip — 磁可调 Magnetic release adjustable	(1,5–2–4–6–8–10–12)xIn				(1,5–2–4–6–8–10–12)xIn				(1,5–2–4–6–8–10–12)xIn				(1,5–2–4–6–8–10–12)xIn		
操作曲线 Operating Curve at 6Ir	3S–6S–12S–18S				3S–6S–12S–18S				3S–6S–12S–18S				3S–6S–12S–18S		
使用类别Category (EN 60947-2/ IEC 60947-2) — 主电路 Main circuit	A/B				A/B				A/B				A/B		
使用类别Category (EN 60947-2/ IEC 60947-2) — 辅助电路及控制电路 Auxiliary circuit	AC–15				AC–15				AC–15				AC–15		
欠压脱扣器 Under Voltage Release	√				√				√				√		
分励脱扣器 Shunt Release	√				√				√				√		
辅助触头 Auxiliary Contact	√				√				√				√		
报警触头 Alarm Contact	√				√				√				√		
辅连报触头 Auxiliary Contact and Alarm Contact	√				√				√				√		
手操 Handle Operation Mechanism	√				√				√				√		
电操 Electrical Operastion Mechanism	√				√				√				√		
挂扣 DIN clips	–				–				–				–		
插板 Terminal cover	√				√				√				√		
隔板 Phase seperator	√				√				√				√		
加长手柄 Extention Handle	√				√				√				√		
外形尺寸 Outine dimensions — 宽 W (mm) — 3P	105				140				210				210		
外形尺寸 Outine dimensions — 宽 W (mm) — 4P	–				184				–				–		
外形尺寸 Outine dimensions — 长 L (mm) — 3P	212.5				254				268				406		
外形尺寸 Outine dimensions — 长 L (mm) — 4P	–				254				–				–		
外形尺寸 Outine dimensions — 厚 H (mm) — 3P	103.5				103.5				103.5				138.5		
外形尺寸 Outine dimensions — 厚 H (mm) — 4P	–				103.5				–				–		
重量 Weight — 固定式 Fixed version 3P/4P	2.7/3.5		41.5/5.5		5.1/7.1				9.6/12.5				17.2/22.2		
重量 Weight — 插入式 Plug-in version 3P/4P	3.2/4.2		4.6/6		6.5/8.5				–				–		
重量 Weight — 抽出式 Draw out version 3P/4P	3.6/4.6		5/6.4		6.5/8.7				12.2/15.3				22/30.1		

电子脱扣器 Electronic release

DAM1系列断路器（Inm≥250A）采用最先进且带智能保护的电子脱扣器PR211/PR212。

DAM1 series circuit breaker (Inm 250A and the above) applies the most advanced PR211/ PR212. The electronic release has function of intellectual protection.



电子脱扣器设置
Electronic Release Settings

PR211表一 Table1 PR211 type

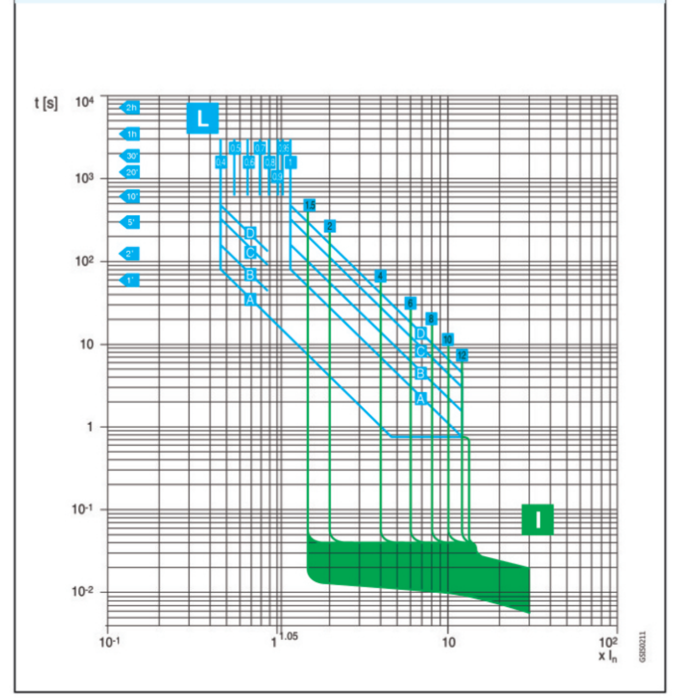
序号 S.No.	功能 Function	设置 Settings	型号 Type	PR211	PR211	PR211	PR211	出厂复位 Factroy reset
			极数 Poles	3P	3P	3P	3P	
			安倍数 Rating (A)	250	400	800	1600	
1	L	过载电流设置 Overload Current Setting (A)		(0.4,0.5,0.6,0.7,0.8, 0.9,0.95,1.0)xIn	(0.4,0.5,0.6,0.7,0.8, 0.9,0.95,1.0)xIn	(0.4,0.5,0.6,0.7,0.8, 0.9,0.95,1.0)xIn	(0.4,0.5,0.6,0.7,0.8, 0.9,0.95,1.0)xIn	1.0In
2		在过载电流设定延时时间 Time Delay at Overload Current Setting		3S,6S,12S,18S	3S,6S,12S,18S	3S,6S,12S,18S	3S,6S,12S,18S	3S
3	I	瞬时电流设置 Instantaneous Current Setting		(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	10In

PR212表二 Table2 PR212 type

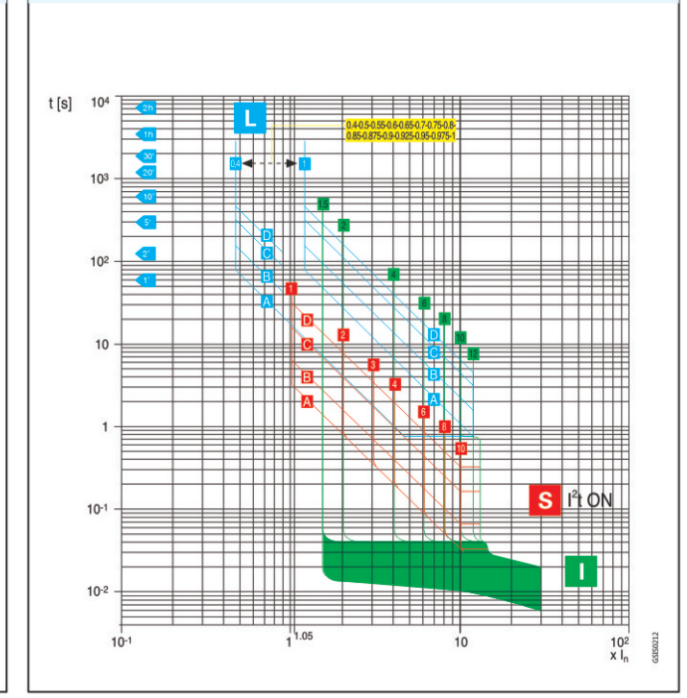
序号 S.No.	功能 Function	设置 Settings	型号 Type	PR212	PR212	PR212	PR212	出厂复位 Factroy reset
			极数 Poles	3P	3P	3P	3P	
			安倍数 Rating (A)	250	400/630	800	1600	
1	L	过载电流设置 Overload Current Setting (A)		(0.4,0.5,0.55,0.6, 0.65,0.7,0.75,0.8) xIn	(0.4,0.5,0.55,0.6, 0.65,0.7,0.75,0.8) xIn	(0.4,0.5,0.55,0.6, 0.65,0.7,0.75,0.8) xIn	(0.4,0.5,0.55,0.6, 0.65,0.7,0.75,0.8) xIn	1.0In
2		在过载电流设定延时时间 Time Delay at Overload Current Setting		3S,6S,12S,18S	3S,6S,12S,18S	3S,6S,12S,18S	3S,6S,12S,18S	3S
3	S	短路电流设置 Short - Circuit Current Setting (A)		(1, 2, 3, 4, 6, 8, 10，OFF)xIn	(1, 2, 3, 4, 6, 8, 10,OFF)xIn	(1, 2, 3, 4, 6, 8, 10,OFF)xIn	(1, 2, 3, 4, 6, 8, 10,OFF)xIn	6In
4		在短路电流整定延时 Time Delay at Short Circuit Current Setting		0.05, 0.1, 0.25, 0.5	0.05, 0.1, 0.25, 0.5	0.05, 0.1, 0.25, 0.5	0.05, 0.1, 0.25, 0.5	0.1S
5	I	瞬时电流设置 Instantaneous Current Setting		(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	(1.5, 2, 4, 6, 8, 10, 12,OFF)xIn	10In
6	G	接地故障电流设置 Ground Fault Current Setting (A)		(0.2,0.3,0.4, 0.6, 0.8,0.9，1.0, OFF) xIn	(0.2,0.3,0.4, 0.6, 0.8,0.9，1.0, OFF) xIn	(0.2,0.3,0.4, 0.6, 0.8,0.9，1.0, OFF) xIn	(0.2,0.3,0.4, 0.6, 0.8,0.9，1.0, OFF) xIn	1.0In
7		在接地故障电流设置延时时间 Time Delay at Ground Fault Setting		0.1, 0.2, 0.4, 0.8	0.1, 0.2, 0.4, 0.8	0.1, 0.2, 0.4, 0.8	0.1, 0.2, 0.4, 0.8	0.4S
8		电动或电选择参数设置 Selection of electric or electronic parameters set		功能设置（开关ELT/MAN）USB接口 Function SET (switch ELT/MAN)				
		用于设置零线开关参数 Used for setting parameters of dip switch of zero line		InN=%In,开关 50/100 switch 50/100				
		连接测量装置的插座 Socket for connection measuring device		面板插座 Panel socket				

特性曲线 Eletronic release characteristic curves

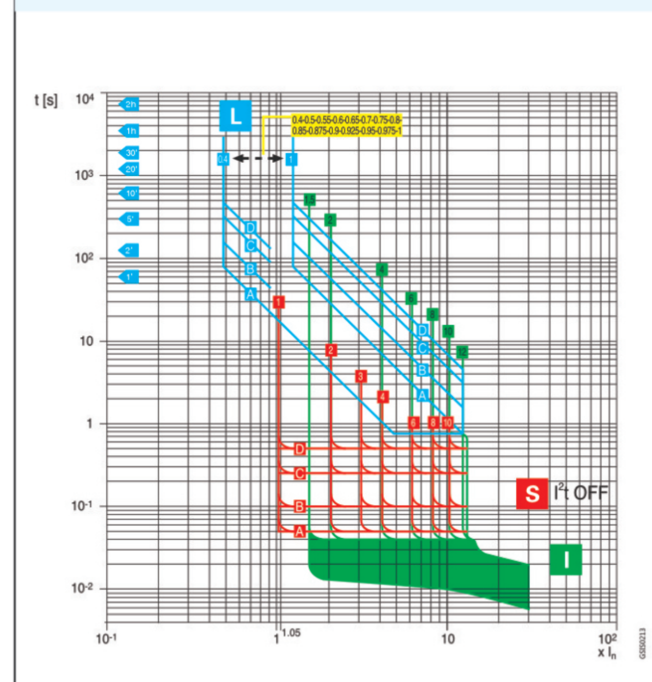
PR211/P
LI-I



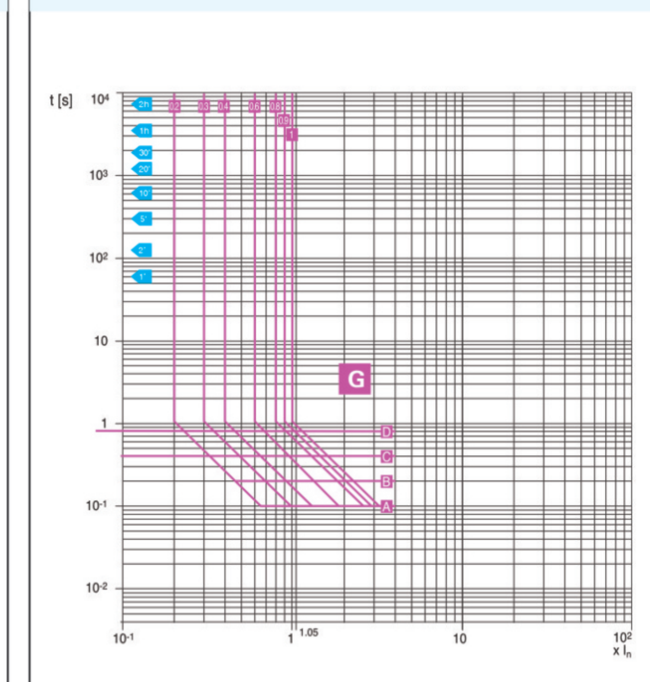
PR212/P



PR212/P



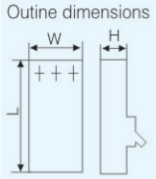
PR212/P



漏电保护断路器
Earth-Leakage Circuit Breakers(ELCB)

项目 Item														
壳架 Model	DAM1-125L			DAM1-160L			DAM1-250L				DAM1-630L(400L)			
分断能力代码 Breaking Capacity Code	B	N	S	B	N	S	N	S	H	G	N	S	H	G
壳架等级额定电流 Rated Current of Frame size- Inm (A)	125A			160A			250A				400A			
额定电流 Rated Current-In(40,50 or 55℃) (A)	10 – 12,5 – 16 – 20 – 25 – 32(30) – 40 – 50 – 63(60) – 80 – 100 – 125A			10– 12,5–16–20 – 25 – 32 – 40 – 50 – 63 – 80 – 100 –125 – 160(150)A			63 – 80–100–125 – 160(180) – 200(225) – 250(320)A				250 – 315 (350)– 400 – 500 – 630A			
额定绝缘电压 Rated İnsulation Voltage –Ui(a.c.) 50–60Hz (V)	690V			690V			690V				690V			
额定工作电压 Rated operation Voltage –Ue(a.c.) 50–60Hz (V)	400V			400/415V			400/415V				400/415V			
极数 Number of Pole	4P			4P			4P				4P			
额定极限短路分断能力Rated ultimate short Circuit breaking Capacity kA Icu AC400V/50Hz O-CO (KA)	25	35	50	25	35	50	35	50	65	85	35	50	70	85
额定运行短路分断能力Rated service short Circuit breaking Capacity kA Ics AC400V/50Hz O-CO-CO (KA)	12.5	17.5	37.5	12.5	26.25	37.5	26.25	37.5	48.75	51	26.25	37.5	52.5	52.5
额定短路接通能力（峰值）Rated short-circuit breaking capacity Icm(peak)/cos ϕ AC400V/50HZ O-CO (KA)	40/0.3	73.5/ 0.25	105/ 0.25	41/0.3	73.5/ 0.25	110/ 0.25	77/ 0.25	114/ 0.25	143/ 0.2	178/ 0.2	70/ 0.25	110/ 0.25	154/ 0.2	187/ 0.2
额定剩余电流短路接通能力 Rated remnant current short-circuit making capacity(I△m)KA/cosϕ	9/0.5			19/0.5			12/0.3				19/0.5			
剩余电流值 Residual current threshold (mA)	100–300–500			100–300–500			100–300–500				100–300–500			
时间延迟 Time delay (ms)	50–500–800			50–500–800			50–500–800				50–500–800			
额定冲击耐受电压 Rated impulse withstand Voltage –Uimp (V)	10000			8000			8000				8000			
介电性能 Dielectric Propery (V)	2500			3000			3000				3000			
飞弧距离 Ionization distance (mm)	≤30/0			≤30/0			≤30/0※				≤60/0※			
使用寿命 Endurance — 总次数 Total Cycles	8000			8000			8000				5000			
使用寿命 Endurance — 使用电寿命 Electrical Life	1000			1000			1000				1000			
使用寿命 Endurance — 使用机械寿命 Mechanical Life	7000			7000			7000				4000			
过电流脱扣 Over Current trip — 热可调 Thermal release adjustable	–			Min:0,8In –Max:1In			Min:0,8In –Max:1In				Min:0,8In –Max:1In			
过电流脱扣 Over Current trip — 磁可调 Magnetic release adjustable (5In–10In)	–			–			–				–			
过电流脱扣 Over Current trip — 热磁固定式 Thermal and Magnetic release fix type	√			√			√				√			
使用类别Category (EN 60947–2/ IEC 60947–2) — 主电路 Main circuit	A/0			A/0			A/B				A/B			
使用类别Category (EN 60947–2/ IEC 60947–2) — 辅助电路及控制电路 Auxiliary circuit	AC–15			AC–15			AC–15				AC–15			
欠压脱扣器 Under Voltage Release	√			√			√				√			
分励脱扣器 Shunt Release	√			√			√				√			
辅助触头 Auxiliary Contact	√			√			√				√			
报警触头 Alarm Contact	√			√			√				√			
辅连报触头 Auxiliary Contact and Alarm Contact	√			√			√				√			
手操 Handle Operation Mechanism	√			√			√				√			
电操 Electrical Operastion Mechanism	√			√			√				√			
插板 Terminal cover	√			√			√				√			
隔板 Phase seperator	√			√			√				√			
外形尺寸 Outine dimensions — 宽W (mm) 3P	–			–			–				–			
外形尺寸 Outine dimensions — 宽W (mm) 4P	101			120			140				184			
外形尺寸 Outine dimensions — 长L (mm) 3P	–			–			–				–			
外形尺寸 Outine dimensions — 长L (mm) 4P	155			120			210				254			
外形尺寸 Outine dimensions — 厚H (mm) 3P	–			–			–				–			
外形尺寸 Outine dimensions — 厚H (mm) 4P	70			70			103.5				103.5			
重量 Weight — 固定式 Fixed version 3P/4P	–			–			–		41.5/5.5		5.1/7.1			
重量 Weight — 插入式 Plug–in version 3P/4P	–			–			–		4.6/6		6.5/8.5			
重量 Weight — 抽出式 Draw out version 3P/4P	–			–			–		5/6.4		6.5/8.7			



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非延时型剩余电流动作动作断路器剩余电流动作的断开时间
Breaking time for residual current operation of non-delay residual current type circuit breaker

表7 Table 7

剩余电流 Residual current	I△n	2I△n	5I△n	10I△n
最大断开时间 Max.breaking time s	0.3	0.15	0.04	0.04

注：对△n≤30mA的剩余电流动作的断路器用0.25A代替5I△n，同时，用0.5A代替10I△n。
Note: for circuit breaker with I△≤30mA residual current, 0.25A substitutes 5I△n, meanwhile, 0.5A substitutes 10I△n

延时型剩余电流动作断路器的动作特性
Operation character of time-delay residual current type circuit breaker

表8 Table 8

剩余电流 The current of remnant / 最大断开时间 Max break time / 极限不驱动时间 The limit and non drive time	I△n	2I△n	5I△n	10I△n	附注 remark
60	0.5	0.2	0.15	0.15	
100	0.8	0.4	1.3	0.3	
300	2	1	1.8	0.8	

注：延时型只适用于I△n＞30mA的剩余动作电流断路器。对A型，此表也适用，此时电流I△n应乘以系数1.4。
Note: The time-delay type only suitable for residual current circuit breaker with I△n＞30mA. This table also suitable for model A, and then the currentI△n should multiply by 1.4.

可调性延时型剩余电流动作断路器的动作特性
Operation characteristocs of adjustable time delay residual current type circuit brealker

表9 Table 9

壳架等级额定电流 Rated current of frame size	额定剩余动作电流可调单可调（I型） Rated remnant operation current only adjustable	额定剩余动作电流及极限不驱动时间双可调（II型） The rated remnant operation current and the limit and adjustable non drive time adjustable	
63	30–100–300mA	0–100–300mA	0–60–100ms
125	30–100–300mA	0–100–300mA	0–60–100ms
160	100–300–500mA	100–300–500mA	0–60–100ms
250	100–300–500mA	100–300–500mA	0–60–100–300ms
630(400)	300–500–1000mA(100–300–500mA)	300–500–1000mA(100–300–500mA)	60–100–300ms(0–60–100ms)

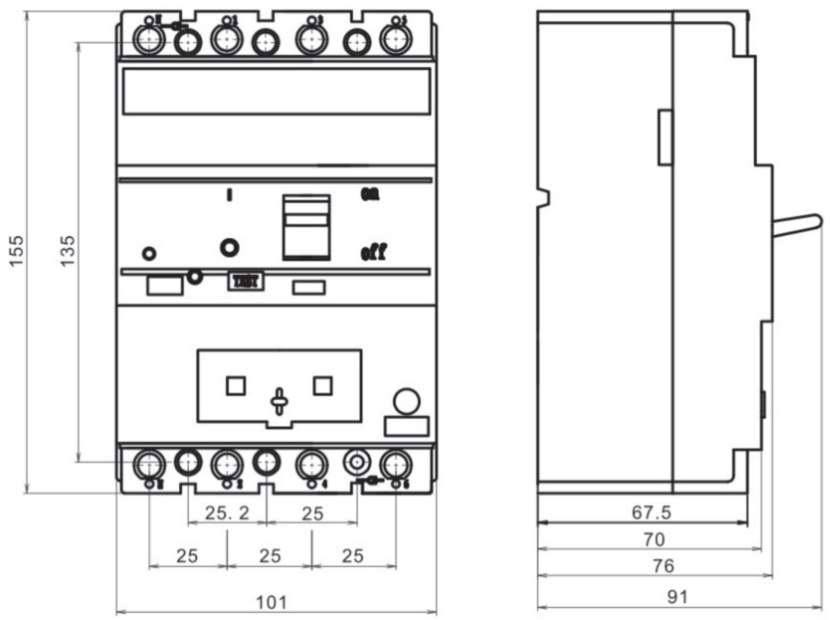
预警型参数表
Parameters for pre-alarm type

表10 Table 10

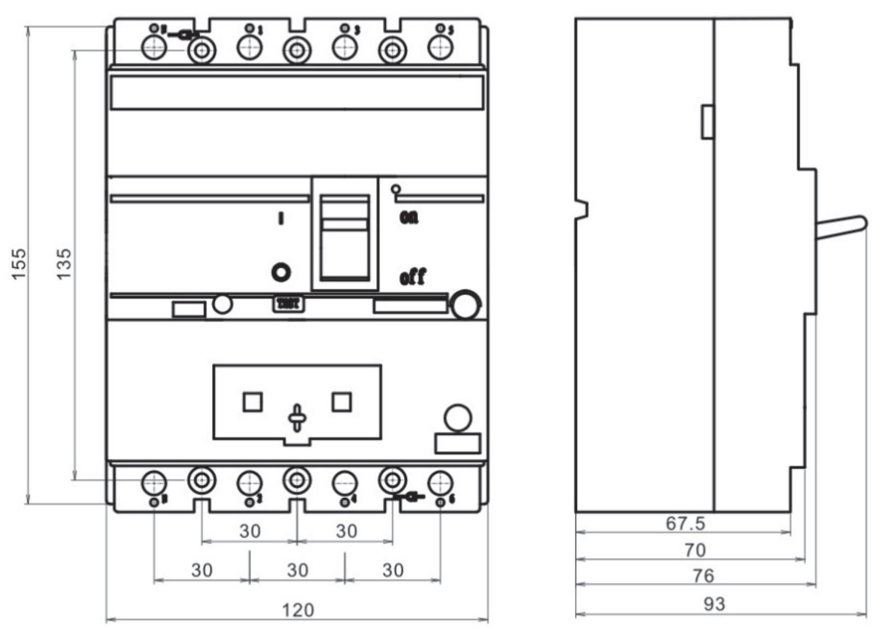
额定剩余动作电流 Rated residual operation current	起始预警电流 Initial pre–alarm current	延时时间 Delay time s	光耦极限输出电流 Max. Output current of optical coupler	光耦极限工作电压 Max. working voltage of optical coupler
I△n	0.5I△n	0,10,30	50mA	20V DC

漏电断路器外形尺寸 Outline dimension for ELCB

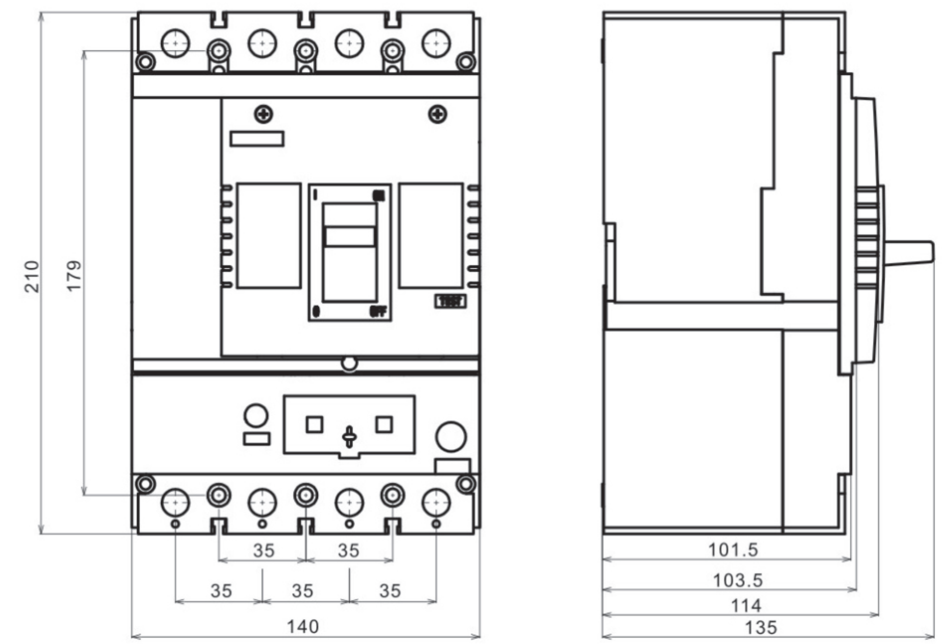
DAM1-125L



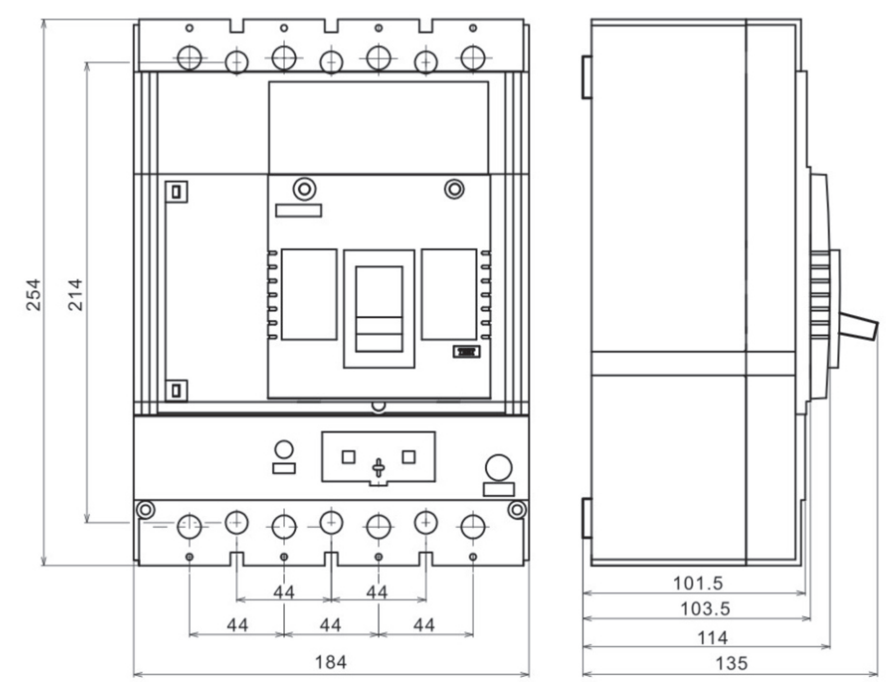
DAM1-160L



DAM1-250L

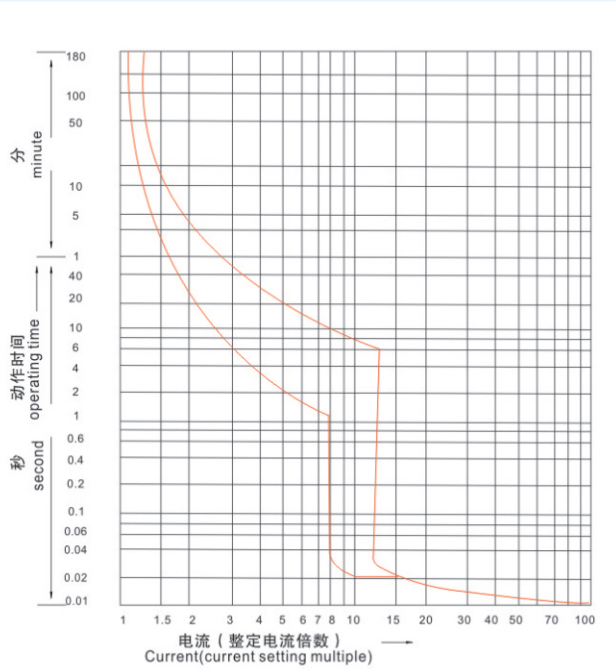


DAM1-630L

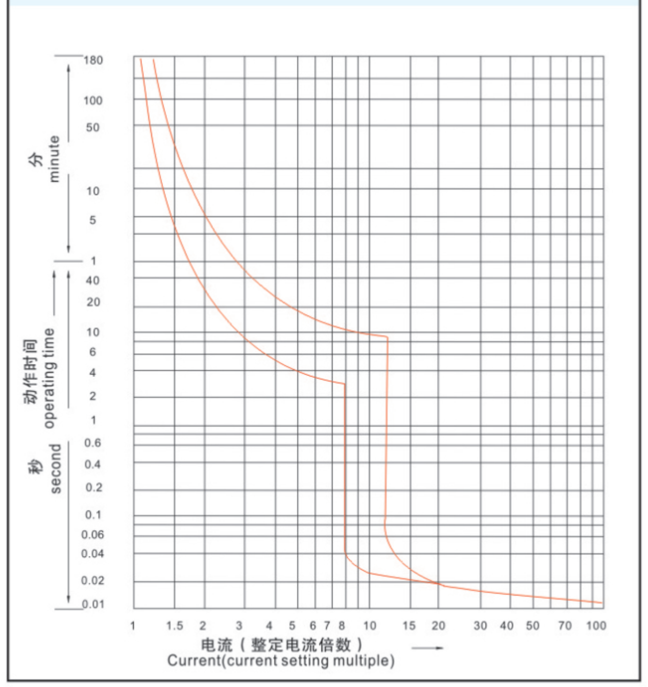


保护曲线 Protective Curve

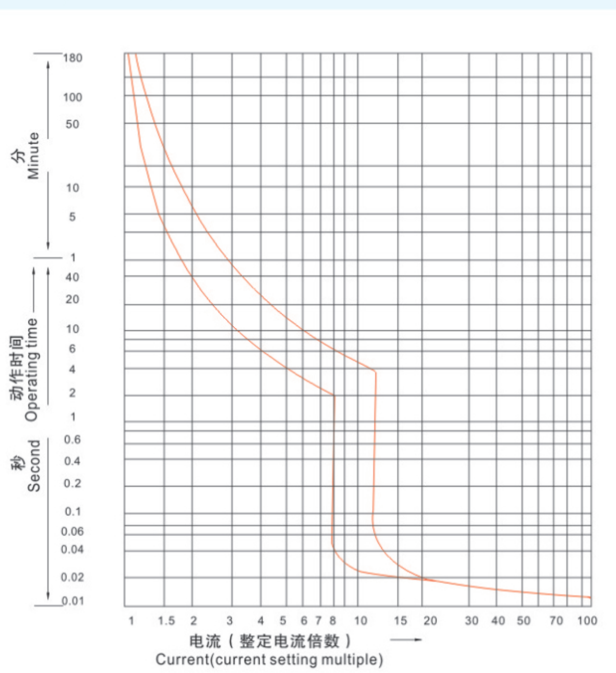
DAM1-125L



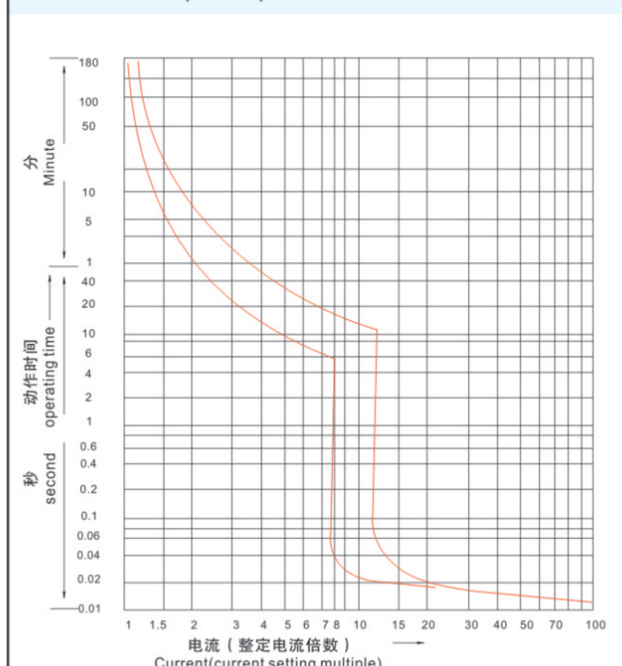
DAM1-160L



DAM1-250L



DAM1-630(400L)



配电用断路器过电流脱扣器各极同时通电时的反时限断开动作特性
Inverse time-delay breaking character of over-current release used for power distribution when power on all the poles simultaneously

表11 Table 11

试验项目名称 The name of test item	倍数In Multiple	配电保护用约定时间 h Conventional time h for power distribution protection			间接电动机保护用约定时间 h Conventional time h for indirectly motor protection	起始状态 Initial state
		In≤63A	63A＜In≤63A	In＞250A		
约定不脱扣电流 Conventional non–tripping current	1.05	≥1	≥2		≥2	冷态 Cold state
约定脱扣电流 Conventional tripping current	1.20				＜2	热态 Heat state
	1.30	＜1	＜2			
	1.5				≤4min	
	7.2				4s＜Tc≤10s	冷态Cold state
返回特性时间 Backward character time	3.00	≥5s	≥8s	≥12s		冷态 Cold state

（1.05–7.2）In的约定动作时间
Conventional operation time of (1.05~7.2) In

表12 Table 12

试验项目名称 Name of test project	I/Ir1	配电保护用动作时间 Operation time Tc s for power distribution protection	间接电动机保护用动作时间 Operation time Tc s for indirect motor protection
约定不脱扣电流 Conventional non–tripping current	1.05	＞2h不动作 ＞2h Non–operation	＞2h不动作 ＞2h Non–operation
约定脱扣电流 Conventional tripping current	1.2		＜1h动作 ＜1h Operation
	1.3	＜1h动作 ＜1h Operation	
	1.5	≤4min	≤4min
	7.2		4s＜Tc≤10s
返回特性时间 Backward character time	3.00	12s	

注：1）动作时间考核是在出厂整定值（6Ir，TL=10）下进行。
2）电子式脱扣器应在–5℃至10℃的范围内与周围温度无关。

Note: 1) The setting value (6ir1.TL=10)is checked when products are shipped out.
2) The electronic release should keep free from the change of ambient temperature when it is between 5℃ and 10℃.

过电流脱扣器短延时特性
Short time-delay character of over-current release

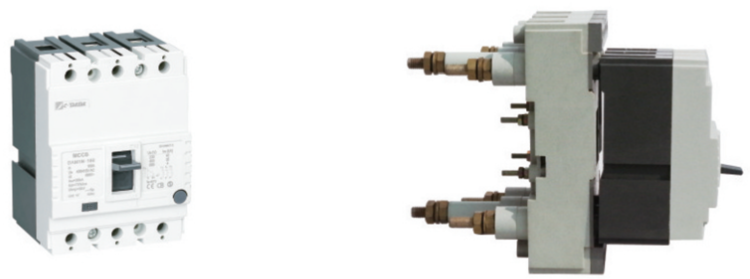
表13 Table 13

动作时间Ts Operation time s	0.1	0.2	0.3	0.4
可返回时间s Backward time s	0.06	0.14	0.23	0.35

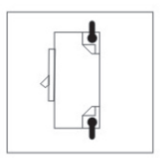
安装方便 Installment is convenient.

DAM1系列断路器提供各种安装形式
1.固定式安装
2.插入式安装
3.抽出式安装

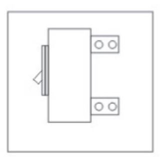
DAM1 series circuit breaker provide with several installment type.
1. Fixed type installment
2. Plug – in type installment
3. With drawable type installment



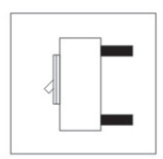
断路器的电路具有多种连结方式
The main circuit of breaker has several connecticn mode.



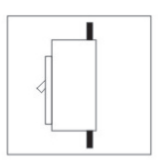
板前接线
Connect wire in front of board



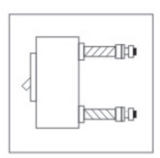
板后垂直接线
Connect wire vertically behind board



板后水平接线
Connect wire horizontally behind board



加长板前接线
Connect wire in front of extended board



板后螺杆节点
Connect wire with screw behind board

技术参数与安装
Technical parameter and Installation

壳架等级额定电流（A）Rated current of frame size Inm(A)	固定式Fixed version			插入式Plug–in version		抽出式Draw–out version	
	1P/2P	3P	4P	3P	4P	3P	4P
160/1P	■	—	—	—	—	—	—
200/2P	■	—	—	—	—	—	—
200L/2P	■	—	—	—	—	—	—
63/63L	—	■	■	■	■	—	—
125/125L	—	■	■	■	■	—	—
160/160L	—	■	■	■	■	—	—
250/250L	—	■	■	■	■	■	■
630/630L	—	■	■	■	■	■	■
800	—	■	■	—	—	■	■
1250	—	■	■	—	—	■	■
1600	—	■	■	—	—	■	■

注：L系列漏电断路器只有四极。
Note: The L Series leakage circuit only has 4 poles

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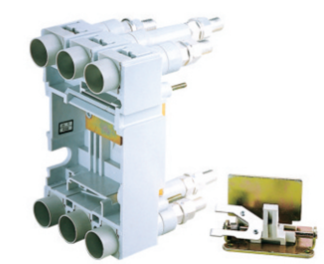
固定式
Fixed type

插入式
Plug-in version

125A

160A

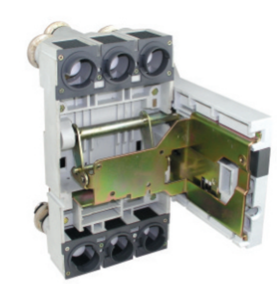


250A

400A
3极板前
(3P front termina ls)

400A
4极板前
(4P front termina ls)

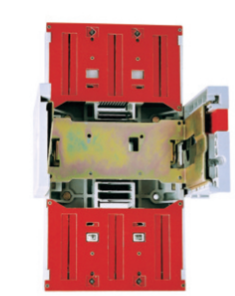
抽出式
Draw-out version



630A
3极板后
(3P Rear terminals)

800A
3极板后
(3P Rear terminals)

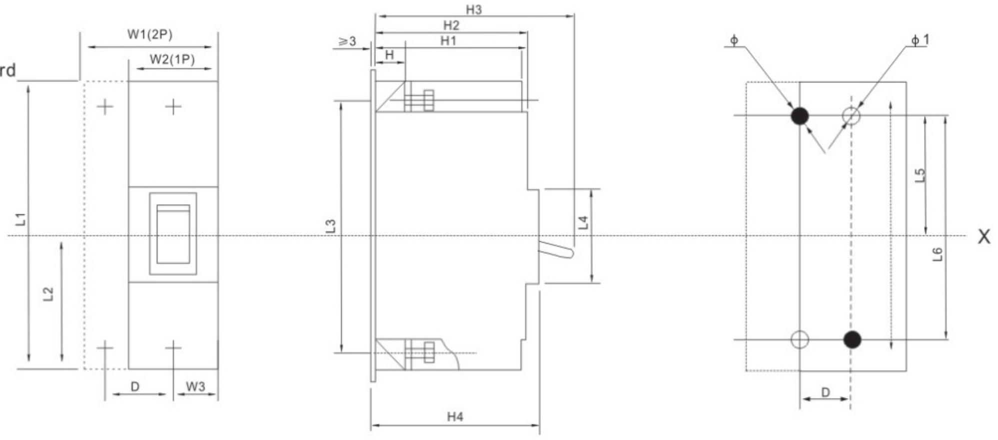
800A
4极板后
(4P Rear terminals)



1600A(1250A)

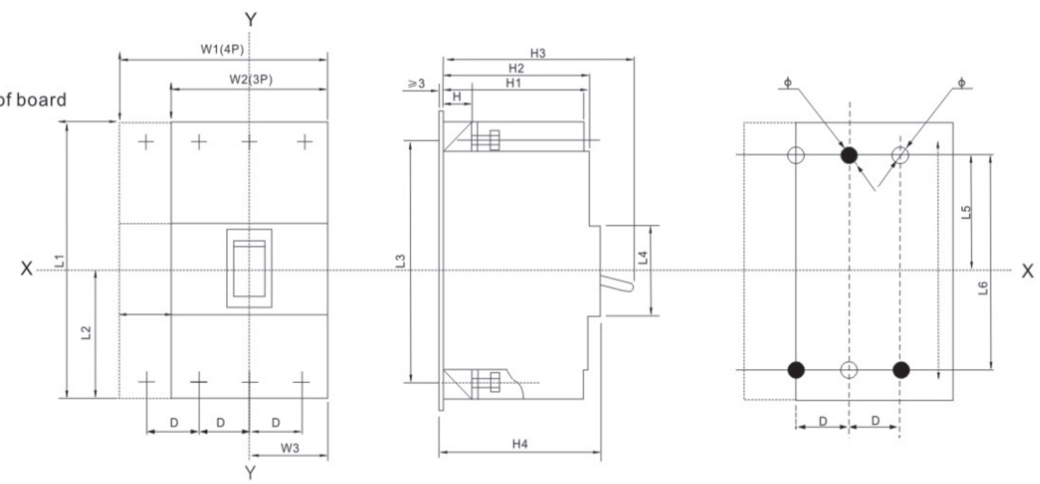
产品及安装尺寸 Overall and installation size

固定式 Fixed type
DAM1-160~200(L)
板前连接线
Connect wire in front of board



型号 Type	D	L1	L2	L3	L4	L5	L6	W1	W2	W3	H	H1	H2	H3	H4	ϕ	ϕ1
DAM1-160/1P	—	120	48	102	45	62	102	—	30	15	27.5	67.5	70	91	76	4.5	3.5
DAM1-200/2P	30	120	48	102	45	62	102	60	—	15	27.5	67.5	70	93	76	4.5	3.5
DAM1-200L/2P	30	155	83	135	45	62	135	60	—	15	27.5	67.5	70	93	76	4.5	3.5

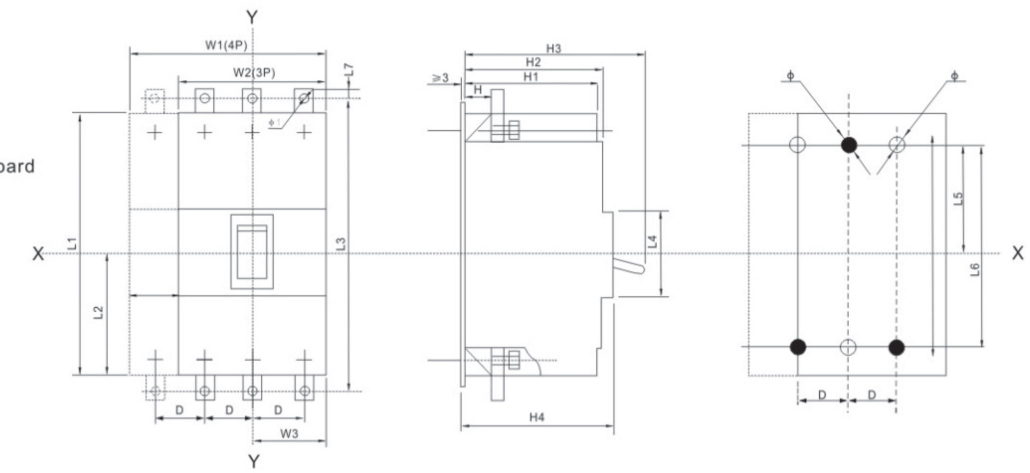
固定式 Fixed type
DAM1-63~160(L)
DAM1X-160
板前连接线
Connect wire in front of board



型号 Type	D	L1	L2	L3	L4	L5	L6	W1	W2	H	H1	H2	H3	H4	ϕ
DAM1-63/125	25	120	48	102	45	62	102	101	76	25.5	67.5	70	91	76	4.5
DAM1-63/125L	25	155	83	135	45	62	135	101	—	25.5	67.5	70	91	76	4.5
DAM1-160	30	120	48	102	45	62	102	120	90	27.5	67.5	70	93	76	4.5
DAM1×-160	30	120	48	102	45	62	102	120	90	27.5	67.5	70	93	76	4.5
DAM1-160L	30	155	83	135	45	62	135	120	—	27.5	67.5	70	93	76	4.5

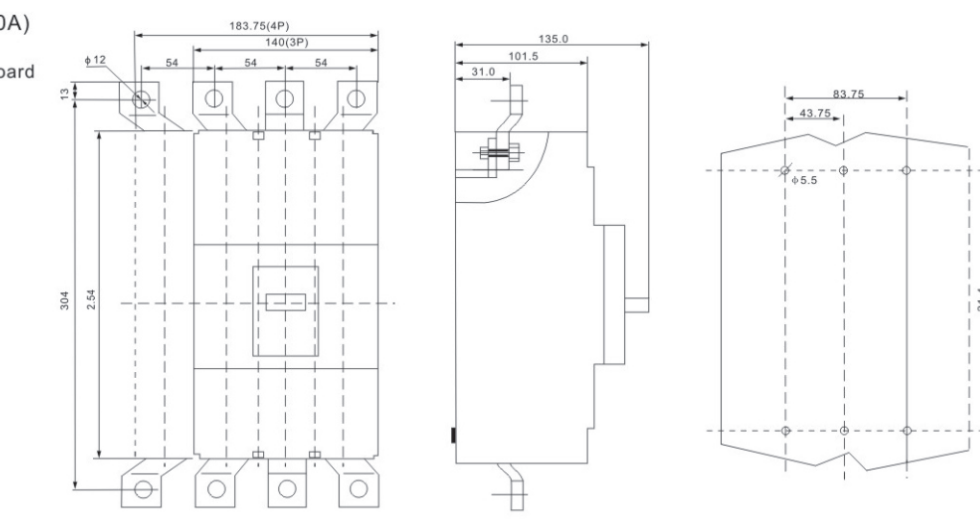
产品及安装尺寸 Overall and installation size

固定式 Fixed type
DAM1-250~1600
DAM1-250~630L
DAM1X-250~800
板前连接线
Connect wire in front of board



型号 Type	D	L1	L2	L3	L4	L5	L6	W1	W2	H	H1	H2	H3	H4	ϕ	L7	ϕ1
DAM1-250	35	170	87.25	206	105	73.75	139	140	105	25	101.5	103.5	135	114	5.5	10.8	ϕ8.5
DAM1-250L	35	210	112.5	246	105	73.75	179	140	—	25	101.5	103.5	135	114	5.5	10.8	ϕ8.5
DAM1×-250	35	255	87.25	278.5	105	154.5	224	140	105	25	101.5	103.5	135	114	5.5	10.8	ϕ8.5
DAM1×-400	43.75	339	125.25	366	105	192.5	299	183.75	140	25	101.5	103.5	135	114	5.5	12.0	ϕ10.5
DAM1-630(400A)	43.75	254	125.25	281	105	107.25	214	183.75	140	25	101.5	103.5	135	114	5.5	12.0	ϕ14
DAM1-630L(400L)	43.75	254	117.5	281	105	107.25	214	183.75	—	25	101.5	103.5	135	114	5.5	12.0	ϕ10.5
DAM1-800	70	268	142.75	241	105	109.25	237	280	210	23	101.5	103.5	161	117	5.5	10.0	ϕ11
DAM1×-800	70	406	142.75	479	105	256.5	375	280	210	23	101.5	103.5	161	117	5.5	10.0	ϕ11
DAM1-1600	70	406	189	513	105	203	378	280	210	39	140	142	196	155	5.5	13.5	ϕ11

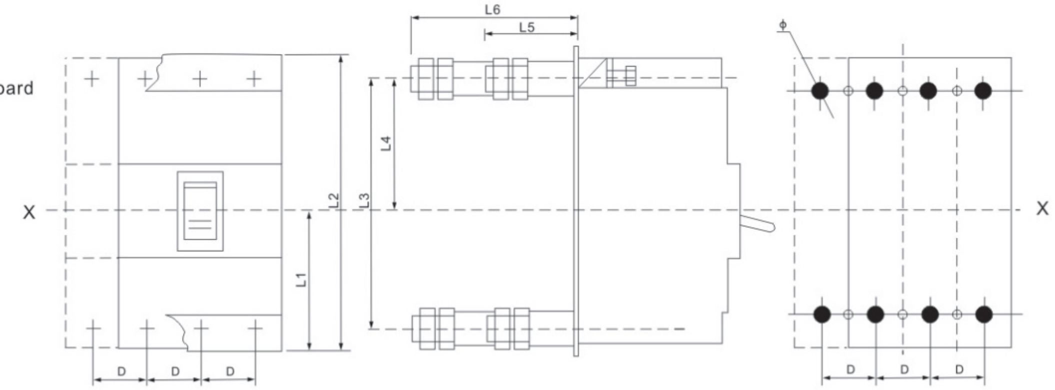
固定式 Fixed type
DAM1-630(500A、630A)
板前连接线
Connect wire in front of board



产品及安装尺寸 Overall and installation size

固定式 Fixed type

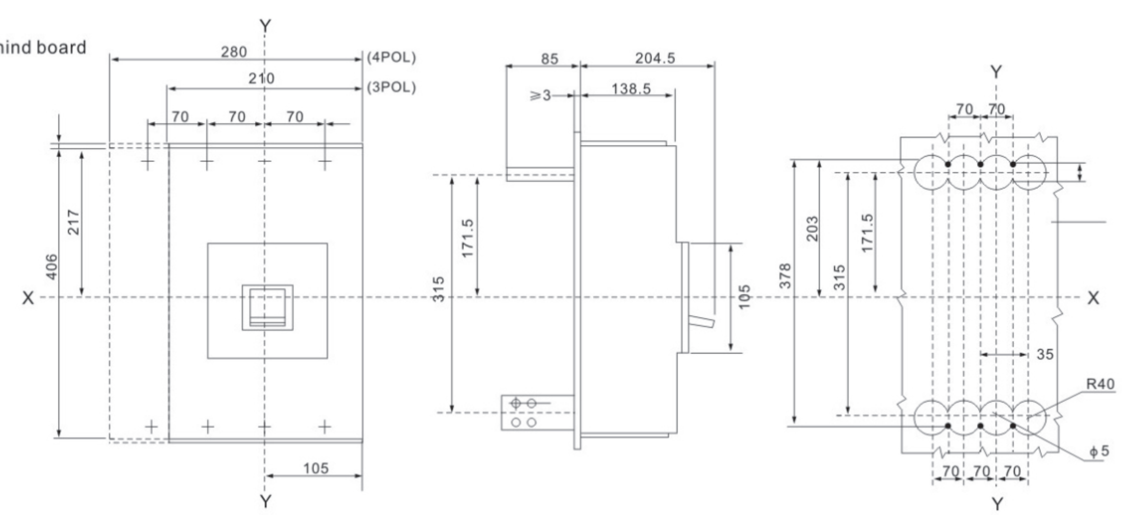
DAM1-63~800
DAM1-60~630L
DAM1X-160~630
板后连接线
Connect wire behind board



型号Type	D	L1	L2	L3	L4	L5	L6	ϕ
DAM1-63/125	25	50	124	102	39	43	76	18
DAM1-63/125L	25	83	155	135	39	43	76	18
DAM1-160	30	50	124	102	39	43	76	18
DAM1-160L	30	83	155	135	39	43	76	18
DZM1X-160	30	50	124	102	39	43	76	18
DAM1-250	35	85.25	175	145	73.75	55	105	24
DAM1-250L	35	112.5	210	179	73.75	55	105	24
DAM1X-250	35	85.25	255	224	123.5	55	105	24
DAM1X-400	43.75	131.25	285	254	153.5	55	105	30
DAM1-630	43.75	131.25	259	218	107.25	55	105	30
DAM1-630L(400L)	43.75	117.5	254	218	107.25	55	105	30
DAM1-800	70	145.25	273	241	117.25	55	74.5	50

固定式 Fixed type

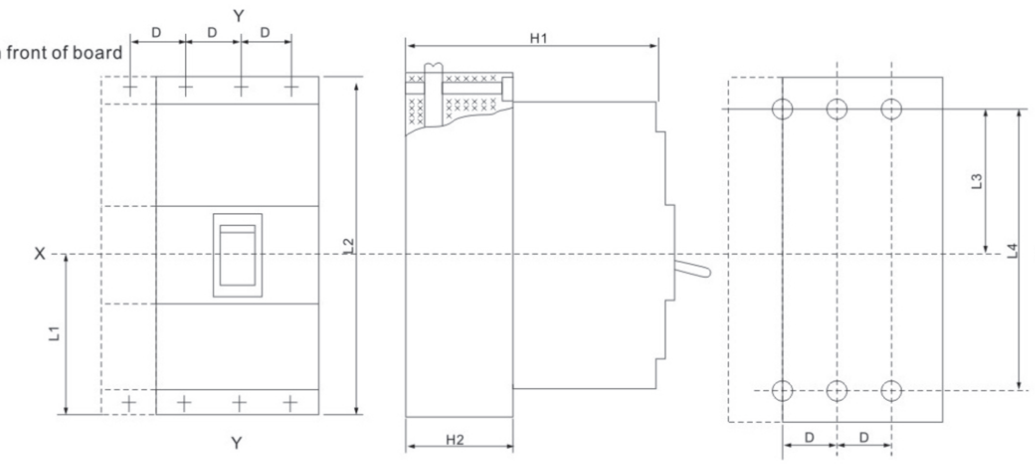
DAM1H-1600
板后连接线
Connect wire behind board



产品及安装尺寸 Overall and installation size

插入式 Plug-in version

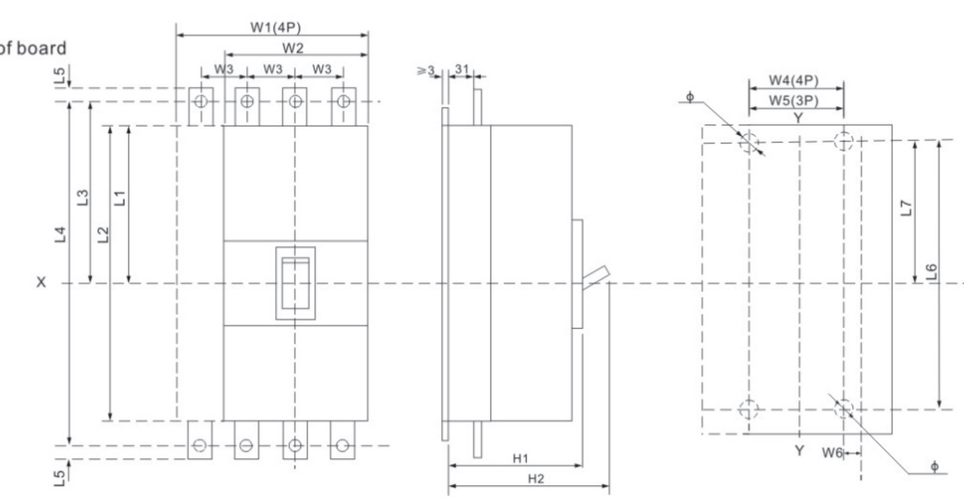
DAM1-63~160
DAM1X-160
板前连接线
Connect wire in front of board



型号 Type	D	L1	L2	L3	L4	H1	H2
DAM1- 63 125	25	70	163	84	144	123	52
DAM1- 160	30	70	163	84	144	123	52
DAM1X - 160	30	70	163	84	144	123	52

插入式 Plug-in version

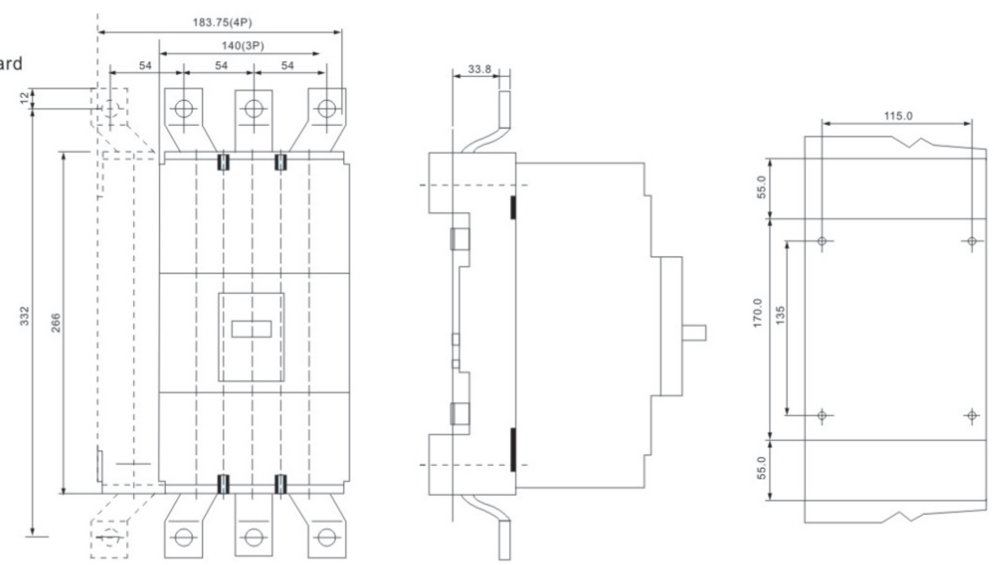
DAM1-250~630
DAM1-630L(400L)
板前连接线
Connect wire in front of board



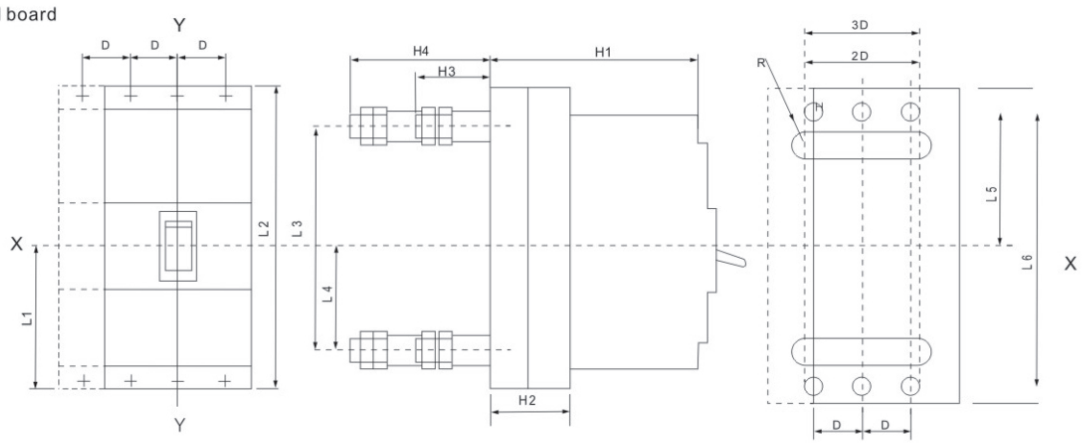
型号 Type	L1	L2	L3	L4	L5	L6	L7	W1	W2	W3	W4	W5	W6	H1	H2	ϕ
DAM1-250	89.75	175	107.25	210	10	52.25	100	140	105	35	105	70	25	153	184.5	5
DAM1-630(400)	127.75	259	150.75	305	14	65.75	135	183.75	140	43.75	160	115	58	153	184.5	6
DAM1-630L(400L)	127.75	259	150.75	305	14	65.75	135	183.75	140	43.75	160	115	58	153	184.5	6

产品及安装尺寸 Overall and installation size

插入式 Plug-in version
DAM1-630
板前连接线
Connect wire in front of board



插入式 Plug-in version
板后连接线
Connect wire behind board



型号Type	D	L1	L2	L3	L4	L5	L6	H1	H2	H3	H4	H5
DAM1-63 125	25	70	163	102	39	84	144	123	52	50	80	13
DAM1-160	30	70	163	102	39	84	144	123	52	50	80	13
DAM1-250	35	85.25	175	143	69.2	52.5	100	184.5	83	52	96	14
DAM1X-250	35	85.25	175	143	69.2	52.5	100	184.5	83	52	96	14
DAM1X-400	43.75	131.25	259	218	110.75	107.25	218	184.5	83	55	100	14
DAM1-630	43.75	131.25	259	218	110.75	107.25	218	184.5	83	55	100	14
DAM1-630L(400L)	43.75	131.25	259	218	110.75	107.25	218	184.5	83	55	100	14

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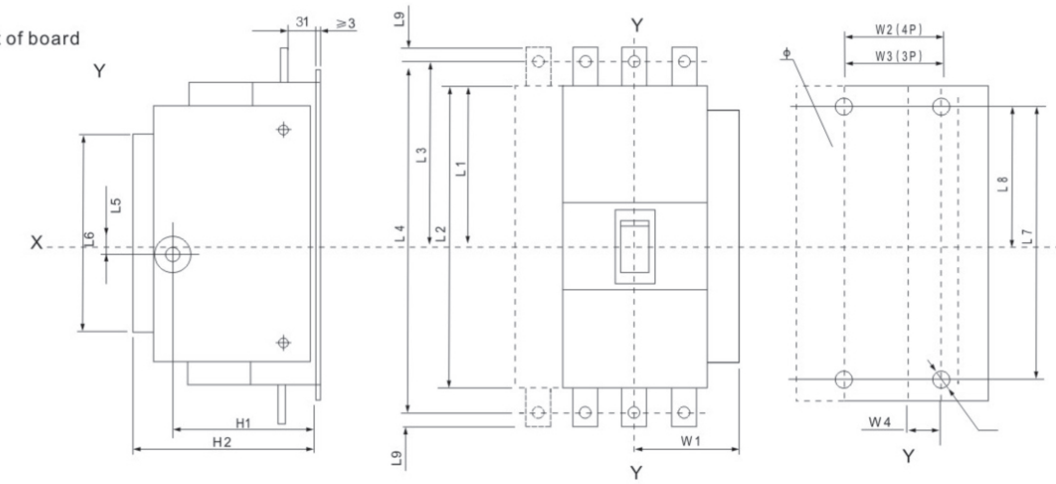
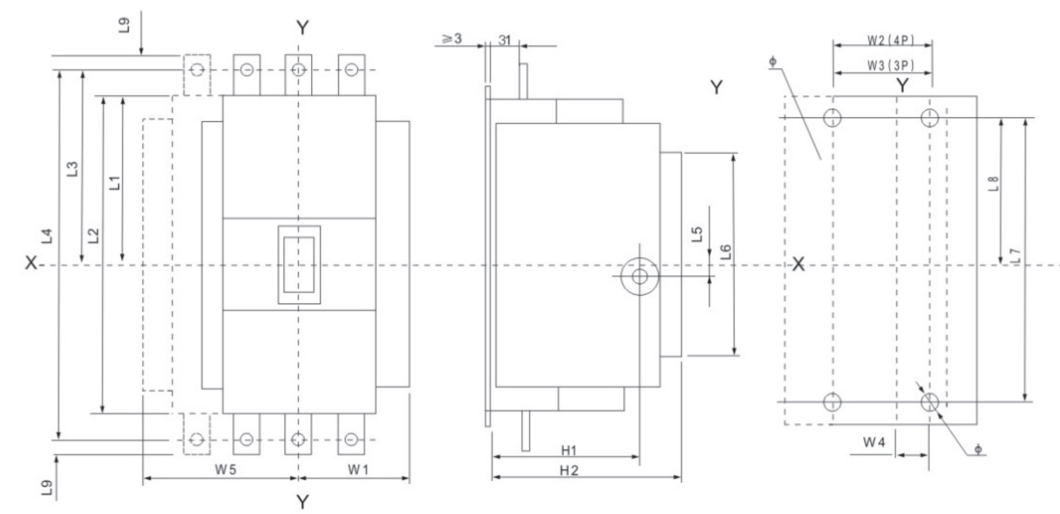
产品及安装尺寸 Overall and installation size

抽出式 Draw-out version
板前连接线
Connect wire in front of board



型号Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	W1	W2	W3	W4	W5	H1	H2	ϕ
DAM1-250	89.75	175	107.25	210	1.75	105	52.25	100	106	84	105	70	25	–	167	190	5
DAM1-630	127.75	259	150.75	305	1.75	105	65.75	135	140	101.5	160	115	58	–	167	190	6

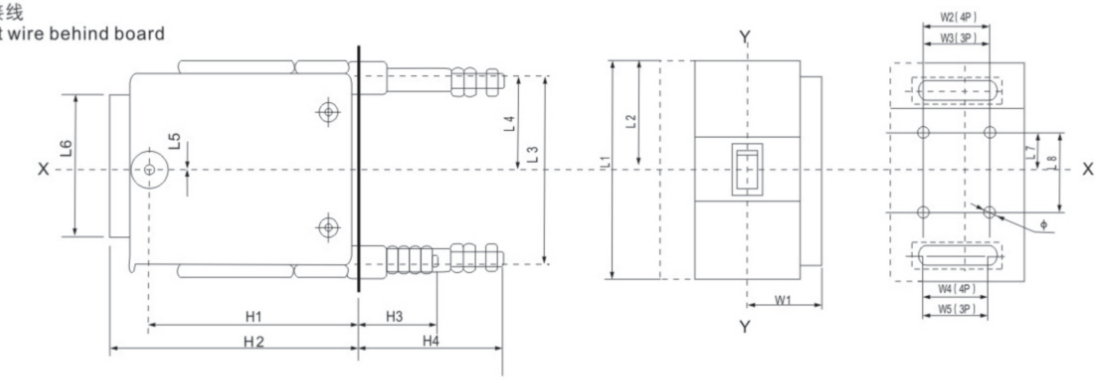
抽出式Draw-out version
板前连接线
Connect wire in front of board



型号Type	L1	L2	L3	L4	L5	L6	L7	L8	L9	W1	W2	W3	W4	W5	H1	H2	ϕ
DAM1-800	133	295	158	345	14.5	140	45.5	120	20	136.5	210	210	140	193.5	167	190	8.5
DAM1-1600	211.25	406	268.25	520	8.25	140	68.25	120	–	136.5	210	210	140	193.5	218.5	241.5	8.5

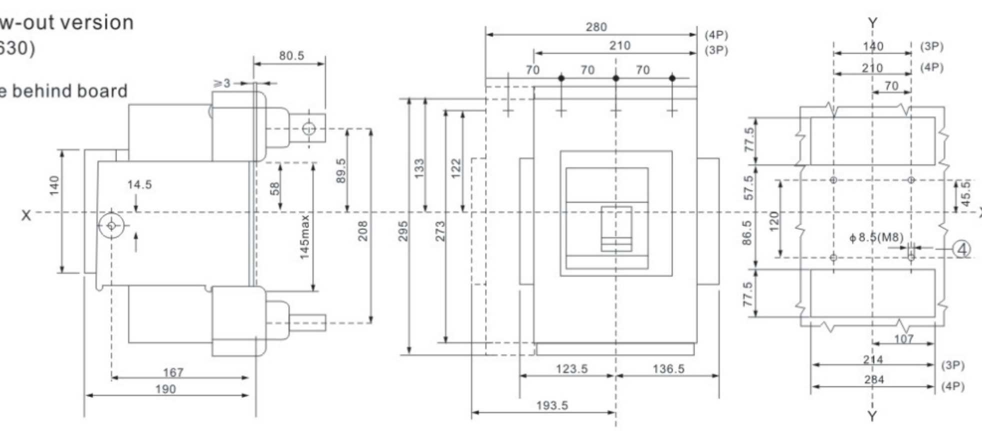
产品及安装尺寸 Overall and installation size

抽出式 Draw-out version
板后连接线
Connect wire behind board

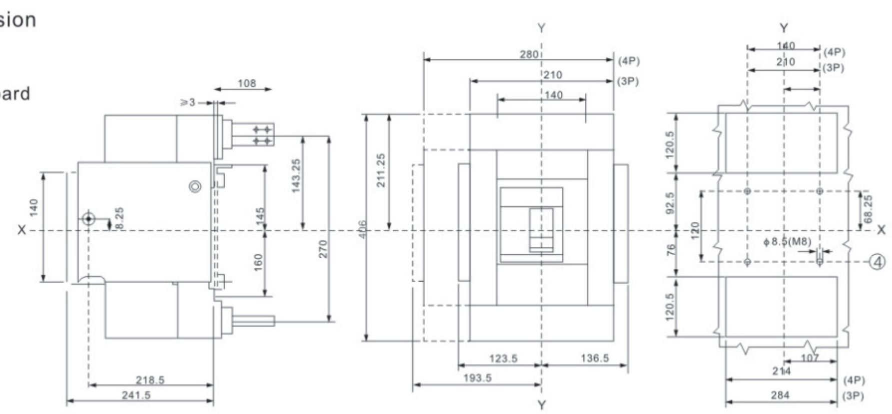


型号 Type	L1	L2	L3	L4	L5	L6	L7	L8	W1	W2	W3	W4	W5	H1	H2	H3	H4	ϕ
DAM1-250	175	87.75	143	73.75	1.75	105	52.25	100	84	105	70	70	105	167	190	52	96	5
DAM1X-250	175	87.75	143	73.75	1.75	105	52.25	100	84	105	70	70	105	167	190	52	96	6
DAM1X-400	259	127.75	218	107.25	1.75	105	65.75	135	101.5	160	115	87.5	131.25	167	190	55	100	6
DAM1-630	259	127.75	218	107.25	1.75	105	65.75	135	101.5	160	115	87.5	131.25	167	190	55	100	6
DAM1-630L(400L)	259	127.75	218	107.25	1.75	105	65.75	135	101.5	160	115	87.5	131.25	167	190	55	100	5

抽出式 Draw-out version
DAM1-800(630)
板后连接线
Connect wire behind board



抽出式 Draw-out version
DAM1-1600(1250)
板后连接线
Connect wire behind board

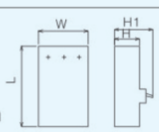
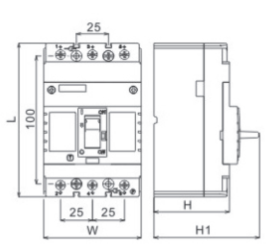
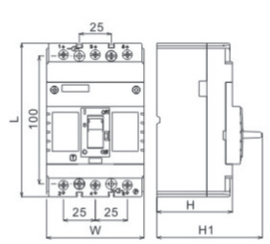


塑壳断路器 MCCB
塑壳断路器附件 MCCB accessory
小型断路器 MCB

MCCB

DAM3系列塑壳断路器
DAM3 series MCCB

CE CB RoHS KEMA KEUR

DAM3系列塑壳断路器 DAM3 series MCCB								
壳架等级额定电流 Ratetd current of frame size Inm [A]	100				160			
额定电流 Rated current [A]	10–100				12.5–160			
极数 Number of poles	1 / 2 / 3 / 4				1 / 2 / 3 / 4			
额定工作电压 Rated operating voltage — 交流 50–60赫兹 (AC)50–60HZ [V]	400/690				400/690			
额定工作电压 Rated operating voltage — 直流 DC [V]	250/1000				250/1000			
额定冲击耐受电压 Rated impulse withstand voltage Uimp [KV]	8				8			
额定绝缘电压 Rated insulation voltage Ui [V]	750				750			
1分钟工业频率下试验电压 Test voltage at industrial frequency for 1 min [V]	3000				3000			
额定极限短路分断能力 Rated ultimate short-circuit breaking capacity Icu [KA]	A	B	C	N	A	B	C	N
交流50–60赫兹220/230V (AC)50–60HZ 220/230V	18	28	36	50	18	28	36	50
交流50–60赫兹400/415V (AC)50–60HZ 400/415V	12	18	25	36	12	18	25	36
交流50–60赫兹690V (AC)50–60HZ 690V	4	6	8	12	4	6	8	12
直流250V–2极系列 (DC)250V–2 Poles in series	12	18	22	30	12	18	22	30
直流500V–2极系列 (DC)500V–2 Poles in series	6	8	10	12	6	8	10	12
直流750V–4极系列 (DC)750V–4 Poles in series	10	15	18	22	10	15	18	22
直流1000V–4极系列 (DC)1000V–4 Poles in series	8	12	15	18	8	12	15	18
额定运行短路分断能力 Rated service short-circuit breaking capacity, Ics [KA]								
交流50–60赫兹220/230V (AC)50–60HZ 220/230V [%Icu]	60%	60%	60%	50%	60%	60%	60%	50%
交流50–60赫兹400/415V (AC)50–60HZ 400/415V [%Icu]	60%	60%	60%	50%	60%	60%	60%	50%
交流50–60赫兹690V (AC)50–60HZ 690V [%Icu]	60%	60%	60%	50%	60%	60%	60%	50%
使用类别 category of utilisation	A				A			
隔离条件 Isolation condition	■				■			
相关标准 Reference standard	IEC/EN 60947–2/GB 14048.2				IEC/EN 60947–2/GB 14048.2			
可交换性 Interchangeability	–				–			
安装形式 Installation type — 固定式 Fixed	■				■			
安装形式 Installation type — 插入式 Plug–in	■				■			
安装形式 Installation type — 抽出式 Draw–out	–				–			
使用寿命 Endurance — 总次数 Total cycles	10000				10000			
使用寿命 Endurance — 电气寿命 Electrical endurance	1500				1500			
使用寿命 Endurance — 机械寿命 Mechanical endurance	8500				8500			
外形尺寸 Basic dimensjons –fixed version  — 3/4 极 3/4 Poles 宽 W [mm]	27(1P) / 54(2P) / 76 / 101				27(1P) / 54(2P) / 76 / 101			
3/4 极 3/4 Poles 厚 H [mm]	59		62.5		59		62.5	
厚 H1 [mm]	78.5		82		78.5		82	
3/4 极 3/4 Poles 长 L [mm]	120				120			
重量 Weight — 固定式 3/4 极Fixed 3/4 Poles [Kg]								
重量 Weight — 插入式 3/4 极Plug–in 3/4 Poles [Kg]	–				–			
重量 Weight — 抽出式 3/4 极Draw–out 3/4 Poles [Kg]	–				–			
外观尺寸 Outline dimensions [mm]								

备注：1.B–基本型；2.C–通用型；3.N–普通型4.S–标准型；5.H–高分断型

Remark: 1.B–Basic type; 2.C–Common type; 3.N–Normal type; 4.S–Standard type; 5.H–Higher breaking capacity type;

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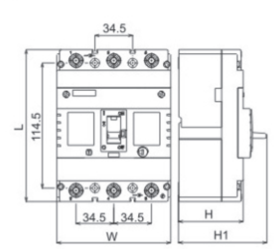
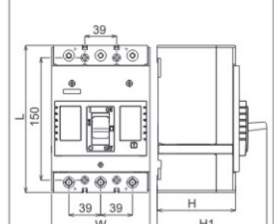
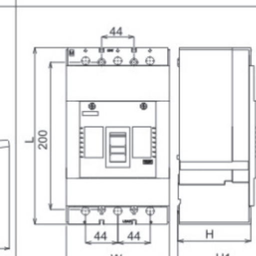
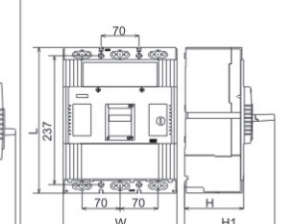
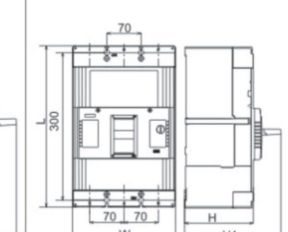
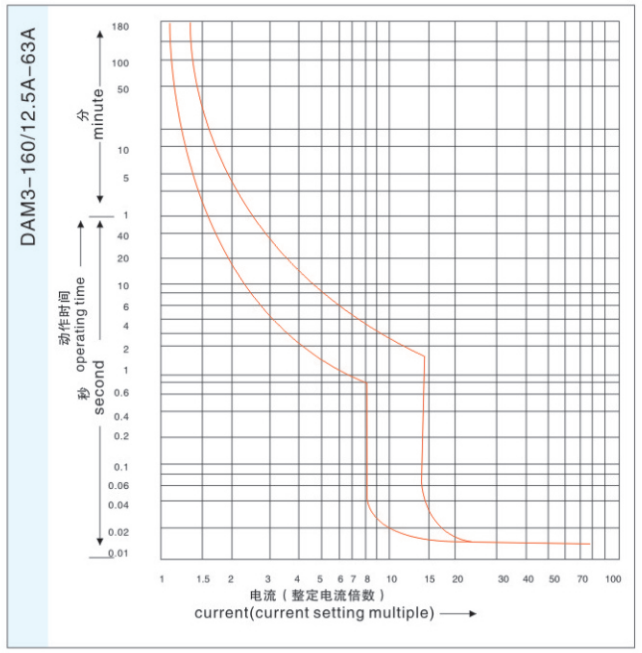
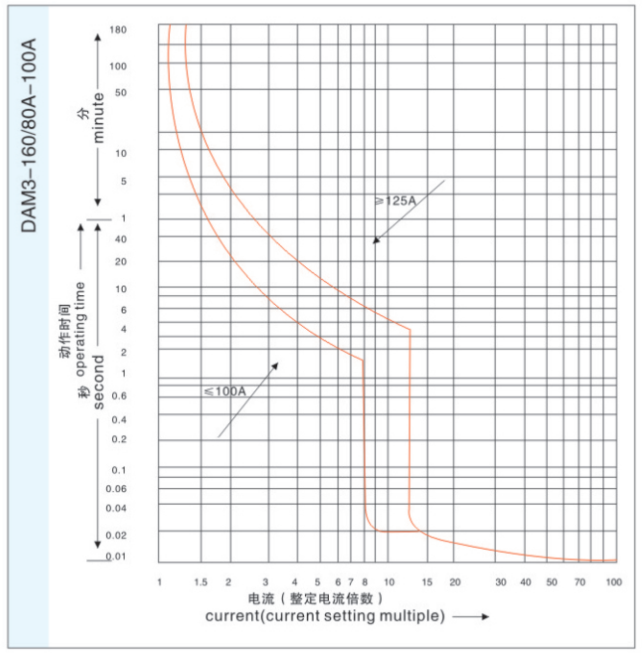
壳架等级额定电流 Ratetd current of frame size Inm [A]	250				400				630			1000			1600		
额定电流 Rated current [A]	100–250			100–225	200–400				315–630			630 800 1000			1000 1250 1600		
极数 Number of poles	2 / 3 / 4				3 / 4				3 / 4			3 / 4			3 / 4		
额定工作电压 — 交流 50–60赫兹 (AC)50–60HZ [V]	400/690				400/690				400/690			400/690			400/690		
额定工作电压 — 直流 DC [V]	250/1000				250/1000				250/1000			250/1000			250/1000		
额定冲击耐受电压 Uimp [KV]	8				8				8			8			8		
额定绝缘电压 Ui [V]	750				750				750			750			750		
1分钟工业频率下试验电压 [V]	3000				3000				3000			3000			3000		
Icu [KA]	B	C	N	S	C	N	S	H	N	S	H	N	S	H	S	H	G
(AC)50–60HZ 220/230V	30	36	50	75	45	55	80	105	55	80	105	55	80	105	80	105	130
(AC)50–60HZ 400/415V	18	25	36	50	30	36	55	70	36	55	70	36	55	70	55	70	100
(AC)50–60HZ 690V	6	8	12	15	12	15	20	25	15	20	25	15	20	25	20	25	30
(DC)250V–2 Poles in series	18	22	30	40	30	35	50	65	35	50	65	35	50	65	50	65	80
(DC)500V–2 Poles in series	9	12	15	20	12	18	22	30	18	22	30	18	22	30	22	30	40
(DC)750V–4 Poles in series	16	18	22	30	18	30	42	55	30	42	55	30	42	55	42	55	68
(DC)1000V–4 Poles in series	13	15	18	25	15	25	35	45	25	35	45	25	35	45	35	45	55
Ics [KA]																	
(AC)50–60HZ 220/230V [%Icu]	60%	60%	60%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
(AC)50–60HZ 400/415V [%Icu]	60%	60%	60%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
(AC)50–60HZ 690V [%Icu]	60%	60%	60%	50%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
使用类别 category of utilisation	A				A				A			A			A		
隔离条件 Isolation condition	■				■				■			■			■		
相关标准 Reference standard	IEC/EN 60947–2/GB 14048.2				IEC/EN 60947–2/GB 14048.2				IEC/EN 60947–2/GB 14048.2			IEC/EN 60947–2/GB 14048.2			IEC/EN 60947–2/GB 14048.2		
可交换性 Interchangeability	■				■				■			■			■		
固定式 Fixed	■				■				■			■			■		
插入式 Plug–in	■				■				■			■			■		
抽出式 Draw–out	–				■				■			■			■		
总次数 Total cycles	10000				8000				6000			5000			5000		
电气寿命 Electrical endurance	1500				1000				1000			1000			1000		
机械寿命 Mechanical endurance	8500				7000				5000			4000			4000		
宽 W [mm]	70(2P) /104 /139				120/159			140/210	140/210			210/280			210/280		
厚 H [mm]	59		62.5		100			100	100			108.5			140		
厚 H1 [mm]	78.5		82		133.5			135	135			167			196		
长 L [mm]	139				180			215	215			268			328		
固定式 3/4 极Fixed 3/4 Poles [Kg]																	
插入式 3/4 极Plug–in 3/4 Poles [Kg]	–				–				–			–			–		
抽出式 3/4 极Draw–out 3/4 Poles [Kg]	–				–				–			–			–		
外观尺寸 Outline dimensions [mm]																	

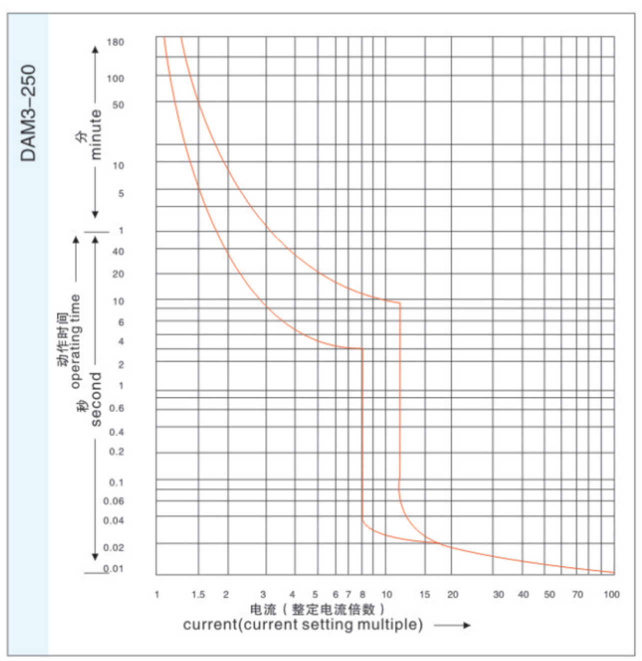
特性曲线Protective Curve



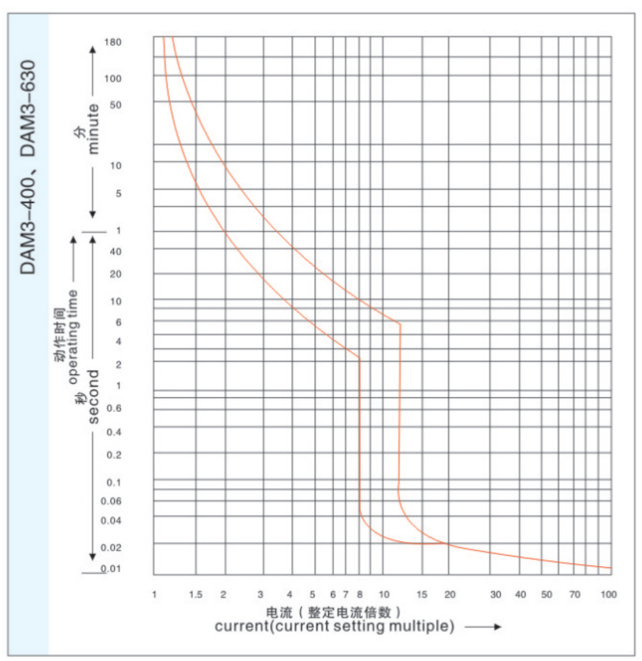
DAM3–160/12.5A–63A



DAM3–160/80A–100A



DAM3–250



DAM3–400、DAM3–630

电动机操作机构 Electical operating mechanism

1.电动操作机构用于远距离控制断路器合闸。
2.提供用户的电动机操作机构品种规格见表15。

1. The electrical operating mechanism is available remote close of MCCB.
2. The types of electrical operating mechanism are shown in table15.

表15 Table 15

电流壳架 Rated current of frame sizeInm(A)	可供选择的电动操作机构 Selection of types of electrical operating mechanism		
	CD1	CD2	CD3
63/63L	–	CD2–63	–
125/125L	–	CD2–100	–
160/160L	–	CD2–160	–
250/250L	CD1–250	–	–
630(400)/630L(400L)	CD1–400	–	–
800	–	–	CD3–800
1600(1250)	–	–	CD3–1600

CD1型电动机操作机构 CD1 Type Electical operating mechanism

1.电动机直接合闸及分闸兼有手动分合闸模式。
2.具有手动紧急断开按钮。
3.用户可装置断开位置锁，防止断路器合闸。
4.适用的断路器：
①Inm=250A
②Inm=400A
请用户在订货时要注明具体规格。
5. 选购附件

1. Direct–acting, and manual close/open of MCCB.
2. Equipped with emergency opening button.
3. Customer can fit padlock on it for MCCB in open position
4. Suitable for MCCBs: ①Inm=250A ②Inm=400A
The specific type should be stated clearly in your order
5. Selectable accessories.

动作特性
Action Characteristic

表16 Table 16

操作的电气附件 Electrical accessories				电动机操作机构 Electrical operating mechanism	
操作电源电压范围 Range of supply Voltage				(0.85–1.1)×Us	
额定控制电源电压 Rated control supplyvoltge	电源 Power supply	AC 50Hz		220V	380V
		功耗 Power loss	启动功耗 Irrupt power consumption	510VA	510VA
			持续功耗 Normal loss	360VA	360VA
		DC		110VA	220VA
		功耗 Power loss	启动功耗 Irrupt power consumption	510VA	510VA
			持续功耗 Normal loss	360VA	360VA
合闸时间 Closing time				0.1s	
分闸时间 Opening time				0.1s	

CD2型电动机操作机构 CD2 Type Electical operating mechanism

1.电动机直接合闸、分闸兼有手动模式
2.适用的断路器：
①Inm=63A ②Inm=100A
③Inm=160A ④Inm=250A
请用户在订货时要注明具体规格。
3.选购附件

1. Direct-acting,and manual clse/open of MCCB.
2. Suitable for MCCBs:
①Inm=63A ②Inm=100A
③Inm=160A ④Inm=250A
The specific type should be stated clearly in your order.
3.Selectable accessories.

表 Table 17

操作的电气附件 Electrical accessories				电动机操作机构 Electrical operating mechanism	
操作电源电压范围 Range of supply Voltage				(0.85-1.1)×Us	
额定控制电源电压 Rated control supply voltage	电源 Power supply	AC 50Hz		220V	380V
		功耗 Power loss	启动功耗 Irrupt power loss	220VA	200VA
			持续功耗 Normal power loss	110VA	110VA
		DC		110V	220V
		功耗 Power loss	启动功耗 Irrupt power loss	200W	200W
			持续功耗 Normal power loss	110W	110W
合闸时间 Closing time				0.1s	
分闸时间 Opening time				0.1s	

CD3型预储能电动机操作机构 CD3 Type Energy stored electical operatirng mechanism

1.可电动机预储能，亦可手动预储能。
2.可电力合闸，亦可手动合闸。
3.用户需合闸断路器时，分二步进行。先储能完毕，再合闸断路器。
4.具有电动断开功能。
5.具有手动紧急断开按钮。
6.用户可装置断开位置锁，防止断路器合闸。
7.适用的断路器：①Inm=630A ②Inm=800A ③Inm=1250A ④Inm=1600A

1. Spring charged by motor or manual.
2.Close by motor or manual.
3.For closing of MCCB, the procedures are: energy stored with spring charged by motor, then closing MCCB.
4.Having electrical opening function.
5.Equipped with emergency opening button.
6.Customer can fit padlock on it for MCCB in open position
7.Suitable for MCCB: ①Inm=630A ②Inm=800A ③Inm=1250A ④Inm=1600A
The specific type should be stated clearly in your order
8.Selectable accessories.

动作特性
Action Characteristic

表18 Table 18

操作的电气附件 Electrical accessories				电动机操作机构 Electrical operating mechanism	
操作电源电压范围 Range of supply Voltage				(0.85-1.1)×Us	
额定控制电源电压 Rated control supply voltage	电源 Power supply	AC 50Hz		220V	380V
		功耗 Power loss	启动功耗 Irrupt power loss	660VA	660VA
			持续功耗 Normal power loss	180VA	180VA
		DC		110V	220V
		功耗 Power loss	启动功耗 Irrupt power loss	600W	600W
			持续功耗 Normal power loss	180W	180W
合闸时间 Closing time				0.1s	
分闸时间 Opening time				0.3s	

旋转手柄操作机构 Rotary handle operating mechanism

1.旋转手柄操作机构可用于：
①在断路器上用旋转手柄控制断路器的合闸与分闸。
②在开关柜门外用旋转手柄控制断路器的合闸与分闸。
③用旋转手柄操作机构与开关柜小室门进行联锁。防止断路器在合闸状态下，开关柜的门被打开。
2.用户可装置断开位置锁，防止断路器合闸。（最多可挂3把直径为6mm的挂锁，用户自备）。
3.一台断路器配独立钥匙和锁。
4.二台断路器配二把相同锁、一把钥匙。
5.三台断路器配三把相同锁、二把相同钥匙。
6.提供用户的旋转手柄操作机构品种规格见表19

1.The rotary handle operating mechanism is suitable for:
①Closing and opening of MCCB by the rotary handle on MCCB.
②Closing and opening of MCCB by the rotary handle on thecompartment door of switch board;
③Interlocking between the rotary handle operating mechanism and compartment door to prevent the compartment door from be opened in case of MCCB in closed state.
2.Customer can fit padlock on it for MCCB in open position(up to a max of 3 padlocks with max 6mm dia).
3.One key and one lock for one MCCB
4.One key and two lock for two MCCB
5.Two keys and three locks for three MCCB
6.The types of rotary handle operating mechanism are given in. Table 19.

动作特性
Action Characteristic

表19 Table 19

壳架等级额定电流 Rated current of frame size Imn	选用旋转手柄操作机构型号									
	装置在断路器上 On MCCB		装置在开关柜小室门上（选用：手柄+操作机构） On compartment door (selection: Handle+Mechanism)							
			手柄 Handle				操作机构 Operation mechanism			
	CS2	CS2/L	A型（圆型） A type (Round)		B型（方型） B type (Square)		CSI（中心式） CS1(central)		CSS（偏心式） CS1(Eccentric)	
		配联锁 With interlock	A-1 短柄 Short handle	A-2 长柄 Long handle	F1-1 短柄 Short handle	F-2 长柄 Long handle		CSI/L 配联锁 With interlock		CSS/L 配联锁 With interlock
63/63L	-	-	A-1	-	F1-1	-	-	-	CSS-63	CSS/L-63
125/125L	-	-	A-1	-	F1-1	-	-	-	CSS-100	CSS/L-100
160/160L	-	-	A-1	-	F1-1	-	-	-	CSS-160	CSS/L-160
250/250L	CS2-250	CS2/L-250	A-1	-	F1-1	-	CS1-250	CS1/L-250	CSS-250	CSS/L-250
630(400) 630L(400L)	CS2-400	CS2/L-400	A-1	-	F1-1	-	CS1-400	CS1/L-400	CSS-400	CSS/L-400
800	CS2-800	CS2/L-800	-	A-2	-	F1-2	CS1-800	CS1/L-800	CSS-800	CSS/L-800
1600(1250)	CS2-1600	CS2/L-1600	-	A-2	-	F1-2	CS1-1600	CS1/L-1600	CSS-1600	CSS/L-1600

CSS旋转手柄操作机构
CSS Rotary handle operating mechanism

FCSS2-63~160　FCSS-250~400　FCSS-630~1600

1.偏心结构。
2.装置在断路器上。
3.可配A型或F型手柄。
4.可配与小室门联锁装置。
5.选购附件。

1.Eccentric structure.
2.Mounted on MCCB.
3.Fitted with A type or F type handle.
4.Interlock with compartment door.
5.Selectable accessories.

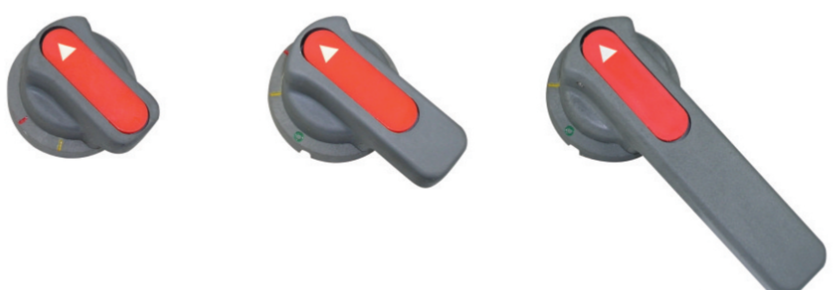
CS2旋转手柄操作机构
CS2 Rotary handle operating mechanism

FCSS2-250~400　FCSS2-630~1600

1.装置在断路器上。
2.具有断开位置锁装置。
3.可配与小室门联锁装置。
4.选购附件。

1.Mounted on MCCB.
2.Key lock for MCCB in open position.
3.Interlock with compartment door.
4.Selectable accessories.

A型手操 A type handle



F1-1　F1-2　F1-3

1.短柄结构。
2.装置在小室门上。
3.可配CS1、CSS型操作机构。
4.防护等级达到IP30。
5.选购附件。

1.Short handle structure.
2.Mounted on compartment door.
3.Mountable Cs1 or CSS operating mechanism.
4.Degree of protection Ip30.
5.Selectable accessories.

F1-1型手操 F1-1 type handle

A1-1

1.短柄结构
2.装置在小室门上。
3.可配CS1、CSS型操作机构
4.防护等级达到IP30。（同时可提供防护等级为Ip54的手柄）
5.选购附件。

1.Short handle structure.
2.Mounted on compartment door.
3.Mountable Cs1 or CSS operating mechanism.
4.Degree of protection Ip30.(The handle of Ip54 is available on request)
5.Selectable accessories.

F1-4

1.长柄结构。
2.装置在小室门上。
3.可配CS1、CSS型操作结构。
4.防护等级达到IP30。（同时可提供防护等级为Ip54的手柄）
5.选购附件。

1.Long handle structure.
2.Mounted on compartment door.
3.Mountable Cs1 or CSS operating mechanism.
4.Degree of protection Ip30.(The handle of Ip54 is also available on request)
5.Selectable accessories.

电动操作机构 Motor-driven mechanism

功能：

◆隔离功能提示
◆帮助断路器脱扣
◆手动或自动分合闸断路器
◆手动操作
◆将手动/自动切换到自动位置，然后转动手柄分合闸断路器
◆自动操作
◆将手动/自动切换至手动位置，然后按下按钮可远程分合闸断路器
◆接通/断开操作是通过脉冲或自动保持型信号控制
◆操作范围：85%UN-110%UN

Functions:

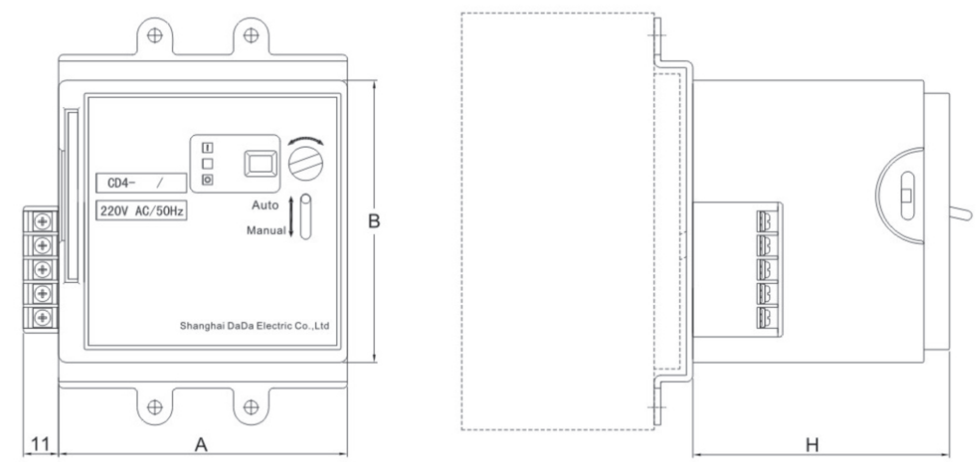
Isolation function indication;
0(breaking),1(making) and free tripping indication;
Free releasing of circuit breaker;
Making and breaking the breaker manually or automatically
Making and breaking the breaker manually or automatically
Manual operation
Turn "manual/auto" switch to" auto" position and then turn the handle to make and break the breaker.
Automatic operation:
Turn "manual/auto" switch to" manual" position and then Push the button to make and break the breaker remotely.
The make/break operation is carried out via pulse or self-retaining type signal control.
Operational range:85%Un~110%Un.

主要技术参数

1.额定电压（Ue): 交流50HZ 400V，230V直流250V
2.工作电压范围：（85%~110%）Ue
3.承受电压：AC1800V 1min
4.电机功率：180W左右
5.工作频率：60-120 /小时
6.电寿命：5000-10000次

Main technical parameters

1.Rated voltage (Ue): AC 50Hz 230V, 400V;DC 250V.
2.Operating voltage range:(85%~110%)Ue.
3.Withstand voltage: AC 1800V 1min.
4.Motor power :About 180W.
5.Operating frequency: 60-120/h.
6.Electrical life:5000-10000 times



规格 Specification	适用于断路器型号 Apply to circuit-breaker models	外观 Appearance(mm)		
		A	B	H
CD-125	DAM1-125	76	88	80
CD-160	DAM1-160	90	88	80
CD-250	DAM1-250	104	90	80
CD-400	DAM1-400	150	140	112
CD-800(630)	DAM1-800	140	150	112
CD-1600	DAM1-1600	140	153	123

MCCB 塑壳断路器
MCCB accessory 塑壳断路器附件
MCB 小型断路器

脱扣方式及附件代码 Release pattern and accessories code

Handle

左侧安装 left mounted ← [| |] → 右侧安装 Right mounted

□ 报警触头 Alarm contact
■ 辅助触头 Auxiliary contact
● 分励脱扣器 Shunt release
○ 欠电压脱扣器 Under-voltage release
→ 导线方向 Line direction leaded

见表2 Table 2

配件代码 Accessories code	配件名称 Accessories name / 类型 Type	DAM1-63-1250 DAM1L-63-400
208、308	报警触头 Alarm contact	← [‖ □] →
210、310	分励脱扣器 Shunt release	← [● ‖] →
220、320	辅助触头 Auxillary contact	← [‖ ■] →
230、330	欠电压脱扣器 Under voltage release	← [○ ‖] →
240、340	分励脱扣器、辅助触头 Shunt release, auxiliary contact	← [● ‖ ■] →
250、350	分励脱扣器、欠电压脱扣器 Shunt release, Under voltage release	← [‖] →
260、360	双辅助触头 Two groups of auxiliary contact	← [‖ ■] →
270、370	辅助触头、欠电压脱扣器 Auxiliary contact, Under voltage release	← [● ‖ ■] →
218、318	分励脱扣器、报警触头。 Shunt release,Alarm contact	← [● ‖ □] →
228、328	辅助触头、报警触头。 Auxiliary contact, Alarm contact	← [‖ ■□] →
238、338	欠电压脱扣器、报警触头 Under voltage release,alarm contact	← [○ ‖ □] →
248、348	分励脱扣器、辅助触头、报警触头。 Shunt release, auxiliary contact, alarm contact	← [● ‖ ■□] →
268、368	二组辅助触头、报警触头。 Two groups of auxiliary contact, alarm contact	← [‖] →
278、378	辅助触头、欠电压脱扣器、报警触头 Auxiliary contact,Under voltage release,alarm contact	← [○ ‖ □■] →

内部附件 Inner accessory

分励脱扣器系列 Shunt release series

分励脱扣器用途:

分励脱扣器用于远距离控制断路器瞬间分闸，脱扣器为瞬时工作制。

Shunt release application:

The shunt release is intended for remote controlling of open of MCCB Release instantaneous duty.

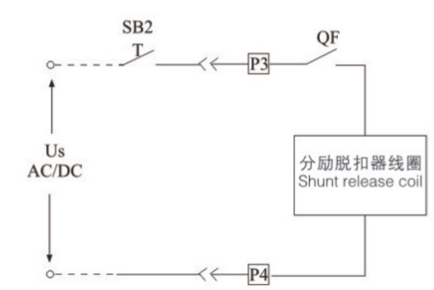
分励脱扣器动作特性:
Characteristics of Shunt release:

操作的电气附件 Electrical accessories			分励脱扣器 Shunt release	
操作电源电压范围 Range of supply voltage			(0.7-1.1)×Us	
额定控制电源电压 Rated control supply voltage us	电源 Power supply	AC 50Hz	220V	380V
		功耗 Power loss	150VA	150VA
		DC	110V	220V
		功耗 Power loss	150W	150W

分励脱扣器接线图:
Wiring diagram of Shunt release:

SB2-分闸按钮（用户自备）
P3.P4接线端编号
Us-控制电源
QF-自锁辅助触头
仅虚线由用户连接，其余接线已由工厂接好，供用户参考

SB2-OPening Push-putton(ready by user)
P3,P4-Terminal number
Us-Control power
QF-Auxiliary contact
Only broken lines are connected by user, other wiring have been connected by factory, which offers user reference.



适用于DAM1模型 Apply to DAM1 models	DAM1-125	DAM1-160	DAM1-250	DAM1-400	DAM1-800	DAM1-1600
分励脱扣器系列 Shunt release	125/160FT		250/400FT		800/1600FT	

欠电压脱扣器系列 Under Voltage release series

欠电压脱扣器用途:

欠电压脱扣器用作线路及电源设备的欠电压保护作用。
脱扣器为长时工作制。

Under voltage release application:

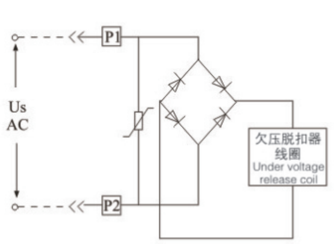
The under voltage release is intended for under voltage protection of circuit and electric equipment. Release uniterrupted duty.

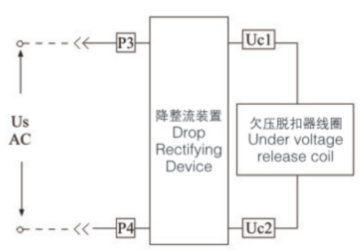
欠电压脱扣器动作特性:
Characteristics of Under voltage release:

额定工作电压 Ue(V)Rated operational voltage	AC380	AC220	DC110	DC220
动作电压 Oprational voltage	(0.35–0.7)×Ue			
保证合闸电压 Ensured closing voltage	(0.85–1.1)×Ue			
保证不能合闸电压 Ensured non closing voltage	≤0.35Ue			
功耗 Power loss	10VA		4W	

欠电压脱扣器接线图:
Wiring diagram of Under voltage release:

Us–控制电源	Us–Control Power
P1，P2–接线端标号	P1,P2–Teminal number
Uc1，Uc2–接线端标号	Uc1,Uc2–Terminal number
63A–1600A嵌入式	63A–1600A Embeded
63A–1600A外挂式	63A–1600A Attached





仅虚线由用户连接，其余接线已由工厂接好，供用户参考。
Only broken lines are connected by user, other wiring have been connected by factory, which offers user reference.

适用于DAM1模型 Apply to DAM1 models	DAM1–125	DAM1–160	DAM1–250	DAM1–400	DAM1–800	DAM1–1600
欠电压脱扣器系列 Under voltage release series	125/160QT		250/400QT		800/1600QT	

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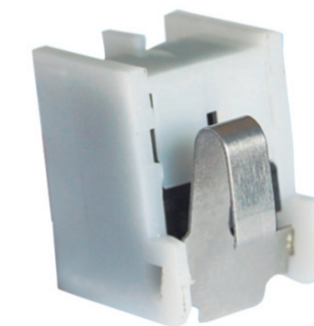
辅助触头系列 Auxiliary contacts series

辅助触头用途:

辅助触头用于对断路器的控制回路作自动控制之用。如断路器的分断及合闸状态的信号指示。

Auxiliary contacts application:

The auxiliary contacts are intended for automatical controlling of the auxiliary circuit of MCCB, such as indication of the open and close states of MCCB.



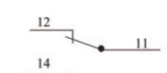
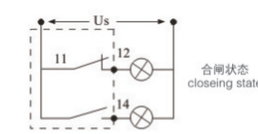
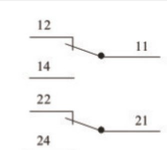
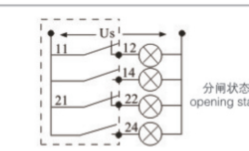
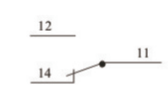
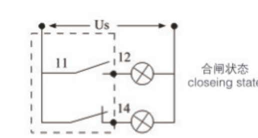
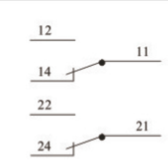
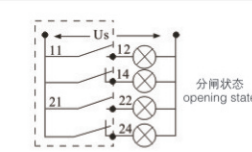
辅助触头规格:

1)一常开一常闭
2)二常开二常闭
3)四常开四常闭

Auxiliary contacts size:

1).1N/O and 1N/C
1).2N/O and 2N/C
3).4N/O and 4N/C

辅助触头接线图:
Wiring diagram of Auxiliary contacts:

断路器状态 State of MCCB	辅助触头状态 State of auxiliary contacts		接线图 diagram of wiring
合闸位置 Close position	◆ 一组辅助触头，提供二对触头 ◆ 适用Inm=63A~225A ◆ 1 set of auxiliary contacts,but 2 sets of contacts to be supplied ◆ For Inm=63A~225A		
	◆ 二组辅助触头，提供四对触头 ◆ 适用Inm=250A~1600A ◆ 2 sets of auxiliary contacts,but 4 sets of contacts to be supplied ◆ For Inm=250A~1600A		
断开位置 Open position	◆ 一组辅助触头，提供二对触头 ◆ 适用Inm=63A~225A ◆ 1 sets of auxiliary contacts,but 2 sets of contacts to be supplied ◆ For Inm=63A~225A		
	◆ 二组辅助触头，提供四对触头 ◆ 适用Inm=250A~1600A ◆ 2 sets of auxiliary contacts,but 4 sets of contacts to be supplied ◆ For Inm=250A~1600A		

适用于DAM1模型 Apply to DAM1 models	DAM1–125	DAM1–160	DAM1–250	DAM1–400	DAM1–800	DAM1–1600
辅助触头系列 Auxiliary contact	125/160FC		250/400FC		800/1600FC	

塑壳断路器 MCCB
塑壳断路器附件 MCCB accessory
小型断路器 MCB

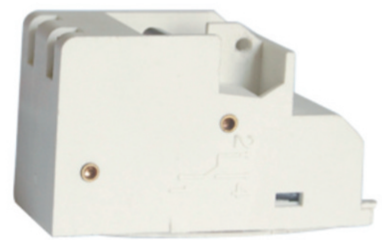
报警触头系列 Alarm contacts series

报警触头用途：

报警触头用于对断路器负载电流的过载、短路、线路和设备的欠电压故障断开时报警之用。

Alarm contacts application:

The alarm contacts are used for alarm of open action of current, and under voltage of circuit and equipment.



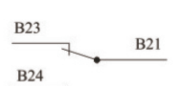
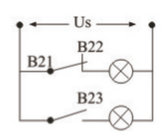
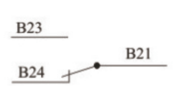
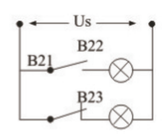
报警触头规格：

1)一常开一常闭

Alarm contacts size:

1)1N/O and 1N/C

报警触头接线图:
Wiring diagram of Alarm contacts;

断路器状态 State of MCCB	报警触头状态 State of alarm contacts	接线图 diagram of wiring
再扣位置 Close position		
脱扣位置 Open position		

适用于DAM1模型 Apply to DAM1 models	DAM1-125	DAM1-160	DAM1-250	DAM1-400	DAM1-800	DAM1-1600
报警触头系列 Alarm contact	125/160BC		250/400BC		800/1600BC	

辅助报警触头系列 Auxiliary and alarm contacts series

辅助报警触头用途:

辅助报警触头用于对断路器的控制回路作自动控制之用，以及对断路器负载电流的过载、短路、线路和设备的欠电压故障断开时报警之用。

辅助报警触头规格：

1)一常开一常闭+1个报警触头
2)二常开二常闭+1个报警触头

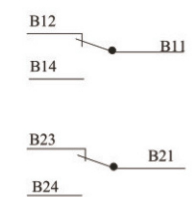
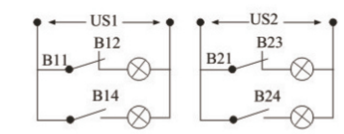
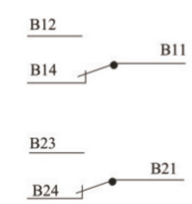
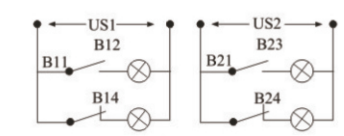
Auxiliary and alarm contacts application:

The auxiliary contacts are intended for automatical controlling of the auxiliary circuit of MCCB,and of open action of current, and under voltage of circuit and equipment.

Auxiliary and alarm contacts size:

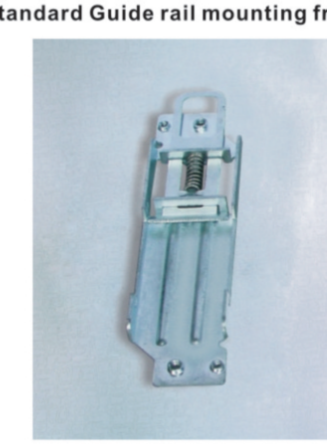
1).1N/O and 1N/C+1 alarm contacts
2).2N/O and 2N/C+1 alarm contacts

辅助报警触头接线图
Wiring diagram of Auxiliary and alarm contacts:

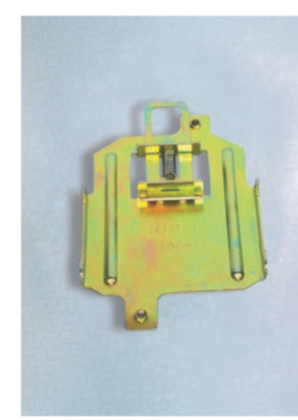
断路器状态 State of MCCB	报警触头状态 State of alarm contacts	接线图 diagram of wiring
合闸位置 Close position		 注：Us1为辅助电源 Us2为报警电源 Explanation:Us1 is auxiliary power Us2 is alarm power
脱扣位置 Open position		 注：Us1为辅助电源 Us2为报警电源 Explanation:Us1 is auxiliary power Us2 is alarm power

适用于DAM1模型 Apply to DAM1 models	DAM1-125	DAM1-160	DAM1-250	DAM1-400	DAM1-800	DAM1-1600
辅助报警触头系列 Auxiliary and alarm contact	125/160FC+BC		250/400FC+BC		800/1600FC+BC	

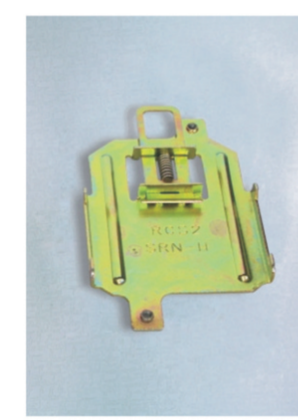
标准导轨挂扣装置
Standard Guide rail mounting frame



DAM1(ABB) 1P挂扣
DAM1(ABB) 1P Guide rail mounting foame



DAM1(ABB)-125 3P 挂扣
DAM1(ABB)-125 3P Guide rail mounting foame

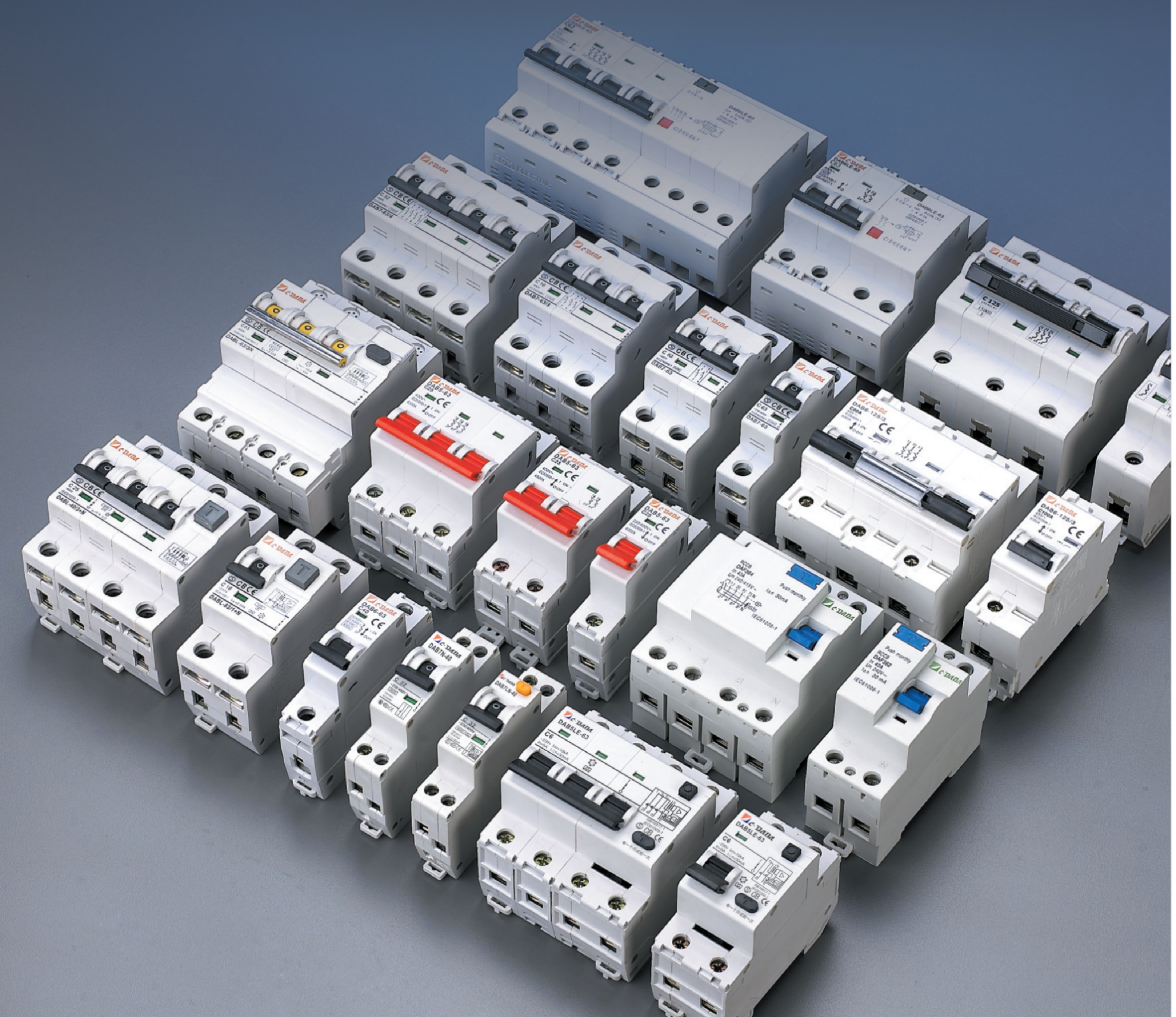


DAM1(ABB)-160 3P 挂扣
DAM1(ABB)-160 3P Guide rail mounting foame

MCB

DAB7-63系列小型断路器
DAB7-63 MCB Miniature Circuit Breaker
DAB7-100MCB小型断路器
DAB7-100 MCB Miniature Circuit Breaker
DAB7附件
DAB7 Accessory
DAB7 - 125 MCB小型断路器
DAB7-125 MCB Miniature Circuit Breaker
DAB7N-40 MCB小型断路器
DAB7N-40 MCB Miniature Circuit Breaker
DAB7LN-40小型漏电断路器
DAB7LN-40 RCBO Miniature Residual Current Circuit Breaker
DABL-40 / DABL - 63 DABF-40 / DABF - 63小型漏电断路器
DABL-40/DABL-63RCBO DABF-40/DABF-63RCBO Miniature Residual Current Circuit Breaker

DAB6 - 63小断路器
DAB6-63 MCB Miniature Circuit Breaker
DAB6-100小型断路器
DAB6-100MCB Miniature Circuit Breaker
DAB6LE小型漏电断路器
DAB6LE-63RCBO Miniature Residual Current Circuit Breaker
DAB5-63 小型断路器
DAB5-63MCB Miniature Circuit Breaker
DAB5LE-63漏电断路器
DAB5LE-63RCBO Miniature Residual Current Circuit Breaker
DABF360-RCCB漏电断路器
DABF360-RCCB Residual Current Circuit Breaker



CE CB RoHS KEMA KEUR

DAB7-63系列小型断路器 DAB7-63 MCB Miniature Circuit Breaker

适用范围
Applicable scope

DAB7-63系列小型断路器符合GB10963，IEC60898标准，具有性能稳定，精确保护，分闸时间短，分断指标高，体积小等特点，广泛用于接触器，继电器及其它电器设备的过载保护。

DAB7- 63series high break mini circuit breaker(MCB),conforms to GB10963. IEC60898 standard, MCB has the characteristic of reliable performance, precise protective function, short release time,and high break capacity, small volume as well, It widely used in and overload ofcontactor,switchgear and electric apparatus.

型号及规格
Type and specification

DA B 7 - 63 N/H

- N/H: N型6kA Ntype 6KA; H型10KA Htype 10KA
- 63: 壳架等级额定电流 Casing frame class rated current
- 7: 设计序号 Design serial number
- B: 小型断路器 MCB
- DA: 公司代码 Company code

技术参数
Technical parameter

符合标准:	IEC60898, GB10963
额定电压 (Ue):	230V/400V, 50HZ
N型:	6KA
H型:	10KA
选择等级:	3
封闭式防护等级:	IP40 (安装后)
寿命：电动:	不少于8000次的开闸。
手动 :	手动操作不少于20000次的开闸。

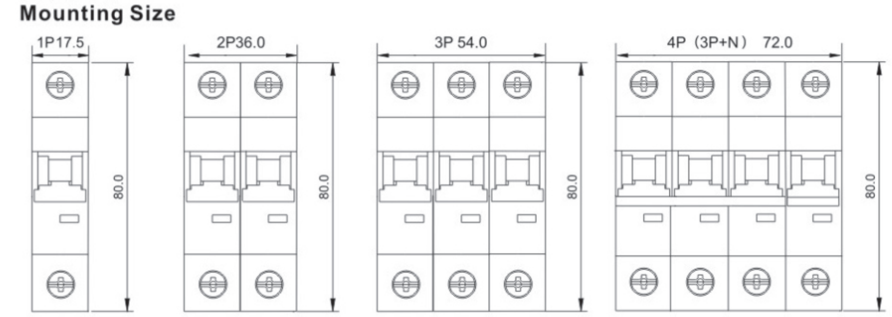
Conform to standard:	IEC60898, GB10963
Rated voltage (Ue):	230V/400V, 50HZ
N type:	6KA
H type:	10KA
Selective grade:	3
Enclosed protection class:	IP40 (Under mounting)
Life:Electrical:	not less of 8,000 times switching operation
Mechanical :	not less of 20,000 times switching operation

机械参数
Mechanical parameter

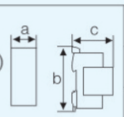
外壳长度:	45mm
外壳高度:	80mm
外壳宽度:	17.5mm 每极 (单极)
安装方式:	采用35mmIEC标准
接线方式:	有两种接线方式，直接与连接板接线，或者用铜导线（软硬皆可）接线
接线端适用尺寸:	连接板的厚度0.8-2mm 铜导线截面积1-25mm²

The length of exposed plane:	45mm
Enclosure height:	80mm
Enclosure width:	17.5mm per pole (single pole)
MoUnting manner:	Adopt conduct rail of 35mm of IEC standard
Terminaf shape:	Two-function terminalcan connectwith busbar and soft or hard conducting wire
Terminal block capacity:	CondUcting wire 1-25mm² Busbar thickness: 0.8-2mm

安装尺寸
Mounting Size



MCB DAB7-63

常规配电保护（IEC/EN 60898-1） For protection of general power distribution(IEC/EN 60898-1)					
极数 Poles		1P	2P	3P	4P
电气性能 Electrical performance					
功能 Functions		短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control			
额定频率 Rated frequency f Hz		50-60Hz			
额定工作电压 Rated working voltage Ue V AC		230/400	400		
额定电流 Rated current In A		6,10,16,20,25,32,40,50,63			
额定绝缘电压 Rated insulated voltage Ui V		500			
耐冲击电压 Impulse withstand voltage Uimp kV		4			
瞬时脱扣类型 Instantaneous tripping type	DAB7-63N	B/C/D			
	DAB7-63H	B/C/D			
额定分断能力 Rated short circuit Icn(kA)	DAB7-63N	6			
	DAB7-63H	10			
脱扣类型 Release type		热磁式 Thermal magnetic type			
使用寿命 Service life (O~C) 机械 Mechanical	实际值Actual value	20000			
	标准值Standard value	4000			
电气 Electrical	实际值Actual value	8000			
	标准值Standard value	4000			
连接与安装 Connection and installation					
防护等级 Protectiom degree		IP20			
电线 Wire mm²		1~35			
工作温度 Working temperature		-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat		等级2 Class 2			
海拔高度 Altitude above sea		≤2000			
相对湿度 Relative humidity		+20℃，≤90%；+40℃，≤50%			
污染等级 Pollution degree		2			
安装环境 Installation environment		避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class		等级Ⅱ Class Ⅱ，等级Ⅲ Class Ⅲ			
导轨 Mounting		DIN35导轨 DIN35 rail			
可安装附件 Combination with accessories					
辅助触头 Auxiliary contact		√			
报警触头 Alarm contact		√			
分励脱扣器 Shunt release		√			
欠电压脱扣器 Undervoltage release		√			
辅连报 Auxiliary contact+Alarm contact		√			
尺寸 Dimensions(mm) (WxHxL) 	a	18	36	54	72
	b	80	80	80	80
	c	72	72	72	72

脱扣特性类型
Release characteristic type

B 型
适用于快速断开的情况，可通过的最大瞬时电流应小于3倍。

B features
applied to faster release and the circuit breaker have smaff short current as well as allows through maximum current<3In

C型
适用于大部分的电气回路。可通过的最大瞬时电流在5倍以内。

C features
applied to most electric loop, it alfows load through higher short time peak current and circuit breaker no operation, but permit through peak current maximum is up to 5 In.

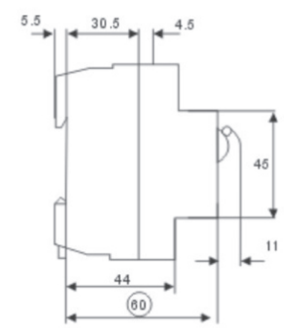
D型
适用于更高电流峰值的场所，最高可达10倍。（例如，可用于保护变压器的一次回路，电机的启动等）

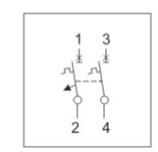
D features
were recommended to higher peak current (10In of switch device. For example, it used for protecting transformer one times line, magnetic value and motor start, etc.

断路器的脱扣特性(表2)
Circuit breaker release characteristic(table2)

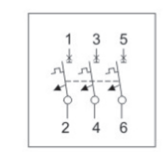
(表table 2)

脱扣类型 Trip type	测试项目 Testing project	脱扣曲线 Tripping curve	测试电流 I/In Testing current I/In	状态 Initiative state	时间范围 Trip or no-trip time limit	预期结果 Expected result	环境温度Ambient temperature +30℃
热脱扣 Thermal trip	a	B C D	1.13In	冷态cold	t≥1h	不脱扣 no-trip	
	b	B C D	1.45In	继续测试 continue test	t<1h	脱扣 trip	继续测试，电流在5秒内稳步上升到预定值 continue to test current within 5s steadily increase to expected value
	c	B C D	2.55In	冷态cold	1S<t<60S（In≤32A） 1S<t<120S（In>32A）	脱扣 trip	
磁脱扣 Magneric trip	d	B	3In	冷态cold	t≥0.1h	不脱扣 no-trip	
		C	5In				
		D	10In				
	e	B	5In	冷态cold	t<0.1h	脱扣 trip	
		C	10In				
		D	20In				

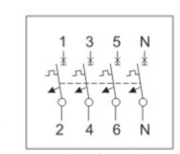




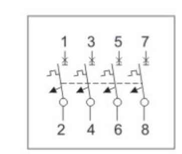
2极 2 pole



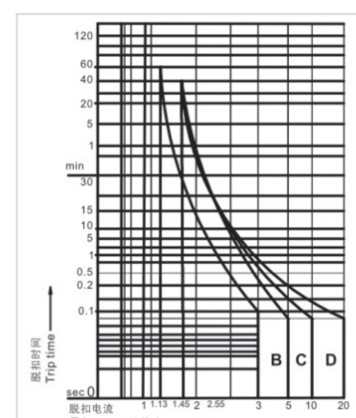
3极 3 pole



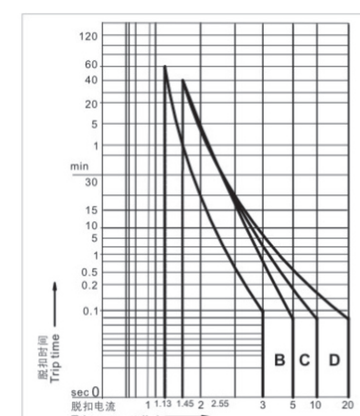
3极+中心线
3 pole+centric line



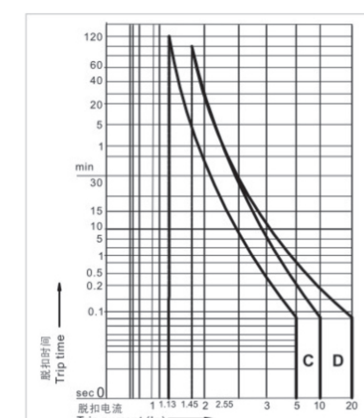
4极 4 pole



DAB5-63/DAB6-63/DAB7-63/DAB5LE-63
DAB6LE-63/DAB7-63/DABL-40/DABL-63
2A-40A



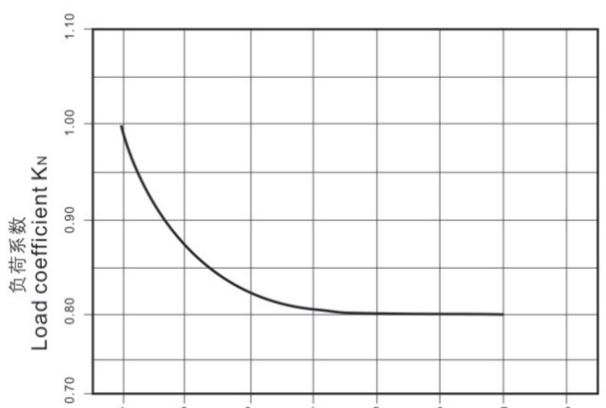
DAB5-63/DAB6-63/DAB7-63/DAB5LE-63
DAB6LE-63/DAB7-63/DABL-40/DABL-63
50A-63A



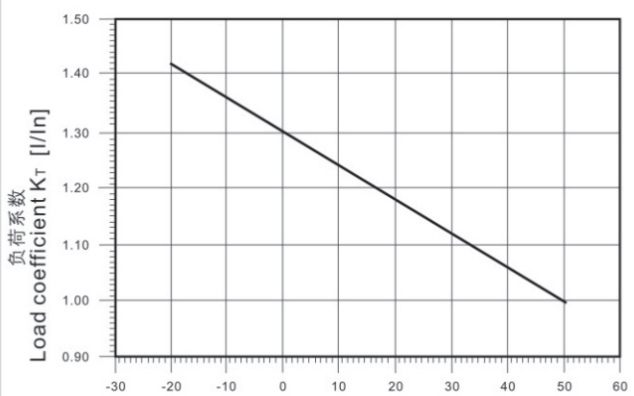
DAB6-63/DAB7-10/DAB7-125
80A-125A

负载能力
Loading capacity

适合 DAB7-63
相对温度下，N个断路器正常工作状态下允许过载负荷能力
Suit for DAB7-63
Relative temperature with n breaker in work state the overload permitted.
IDL=InKT(T)KN(N)



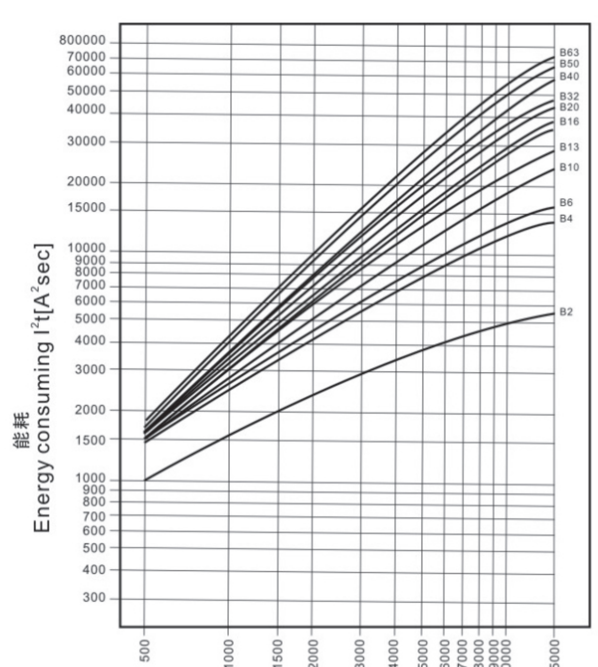
开关个数
MCB负载能力
Switch number(n)
Load capacity of MCB



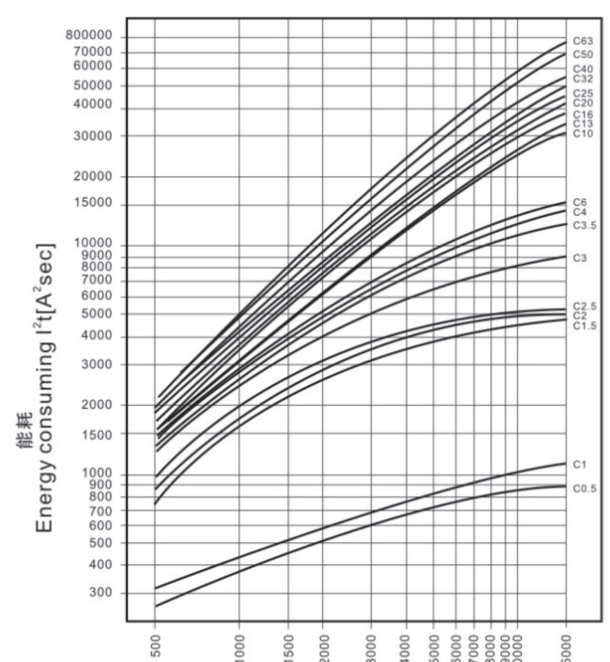
内部温度(℃)
温度影响
Inner temperature(℃)
Temperature influence

能耗
Energy consuming

根据电气标准 EN60898
根据要求提供D曲线的产品
In accordance with electric standard EN60898(IEC898)
Supply D curves products according to requirements



短路电流(A)
DAB7-63系列最大能耗，B曲线，单极。
Short circuit current (A)
DAB7-63 Series maximum energy consuming, B curve, single pole



短路电流(A)
DAB7-63系列最大能耗，B曲线，单极。
Short circuit current (A)
DAB7-63 Series maximum energy consuming, B curve, single pole

DAB7-100MCB小型断路器 DAB7-100 MCB Miniature Circuit Breaker

适用范围
Applicable scope

DAB7-100高分断小型断路器，符合GB10963,IEC60898标准，具有性能稳定，精确保护，分闸时间短，分断指标高，体积小等特点，它广泛应用于接触器，继电器等电器设备的过载保护。

DAB7- 100 series high break mini circuit breaker(MCB),conforms to GB10963. IEC60898 standard, MCB has the characteristic of reliable performance, precise protective function, short release time, and high break capacity,small volume as well, It widely used in and overload of contactor, switchgear and electic apparatus.

型号及规格
Type and specification

DA B 7 -100

- 壳架等级额定电流 Casing frame class rated current
- 设计序号 Design serial number
- 小型断路器 MCB
- 公司代码 Company code

技术参数
Technical parameter

符合标准:	IEC60898, GB10963
额定电压 (Ue):	230V/400V, 50HZ
额定短路 Icn(kA):	6~63A 10KA , 80~100A 8KA
选择等级:	3
封闭的防护等级:	IP40 (安装)
寿命：电寿命:	不少于8000次开关操作
机械寿命 :	不少于20000次开关操作

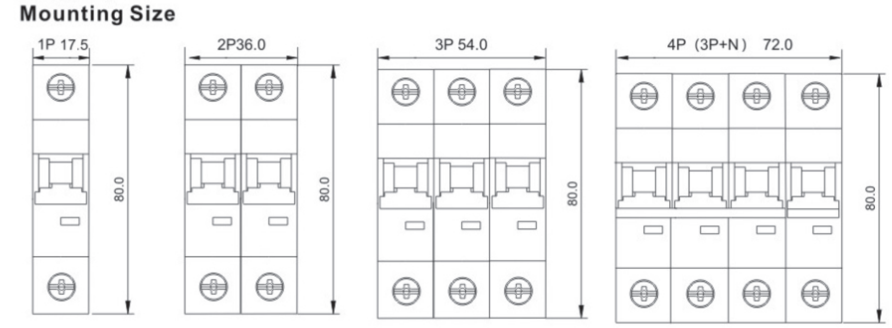
Conform to standard:	IEC60898, GB10963
Rated voltage (Ue):	230V/400V, 50HZ
Rated short circuit Icn(kA):	6~63A 10KA , 80~100A 8KA
Selective grade:	3
Enclosed protection class:	IP40 (Under mounting)
Life:Electrical:	not less of 8,000 times switching operation
Mechanical :	not less of 20,000 times switching operation

机械参数
Mechanical parameter

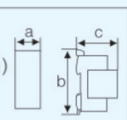
外壳长度:	45mm
外壳高度:	80mm
外壳宽度:	外壳17.5mm宽度单杆
安装方式:	采用IEC标准的35mm导轨
接线方式:	有两种接线方式，直接与连接板接线，或者用铜导线（软硬皆可）接线
接线端适用尺寸:	连接板的厚度0.8-2mm 铜导线截面积1-25mm²

The length of exposed plane:	45mm
Enclosure height:	80mm
Enclosure width:	17.5mm per pole (single pole)
MoUnting manner:	Adopt conduct rail of 35mm of IEC standard
Terminaf shape:	Two-function terminalcan connectwith busbar and soft or hard conducting wire
Terminal block capacity:	CondUcting wire 1-25mm² Busbar thickness: 0.8-2mm

安装尺寸
Mounting Size



MCB DAB7-100

常规配电保护(IEC / EN 60898－1) For protection of general power distribution (IEC/EN 60898-1)					
极数 Poles		1P	2P	3P	4P
电气性能 Electrical performance					
功能 Functions		短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control			
额定频率 Rated frequency f Hz		50~60Hz			
额定工作电压 Rated working voltage Ue V AC		230/400	400		
额定电流 Rated current In A		6,10,16,20,25,32,40,50,63,80,100			
额定绝缘电压 Rated insulated voltage Ui V		500			
冲击耐受电压 Impulse withstand voltage Uimp kV		4			
瞬时脱扣型 Instantaneous tripping type	DAB7-100	B/C/D			
额定分断能力 Rated short circuit Icn(kA)	DAB7-100	10KA(6~63A),8KA(80~100A)			
脱扣类型 Release type		热磁式 Thermal magnetic type			
使用寿命 Service life (O~C)	机械 Mechanical 实际值 Actual value	20000			
	机械 Mechanical 标准值 Standard value	4000			
	电气 Electrical 实际值 Actual value	8000			
	电气 Electrical 标准值 Standard value	4000			
连接和安装 Connection and installation					
防护等级 Protection degree		IP20			
电线 Wire mm²		1~35			
工作温度 Working temperature		-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat		等级2 Class 2			
海拔高度 Altitude above sea		≤2000			
相对湿度 Relative humidity		+20℃，≤90%；+40℃，≤50%			
污染等级 Pollution degree		2			
安装环境 Installation environment		避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class		等级Ⅱ Class Ⅱ，等级Ⅲ Class Ⅲ			
导轨 Mounting		DIN35导轨 DIN35 rail			
可安装附件 Combination with accessories					
辅助触头 Auxiliary contact		√			
报警触头 Alarm contact		√			
分励脱扣器 Shunt release		√			
欠压脱扣器 Undervoltage release		√			
辅连报 Auxiliary contact+Alarm contact		√			
尺寸 Dimensions(mm) (WxHxL) 	a	18	36	54	72
	b	80	80	80	80
	c	72	72	72	72

C·DADA www.cdada.net

DAB7附件 DAB7 Accessory

使用范围
Use scope

DA B7 －□ / □

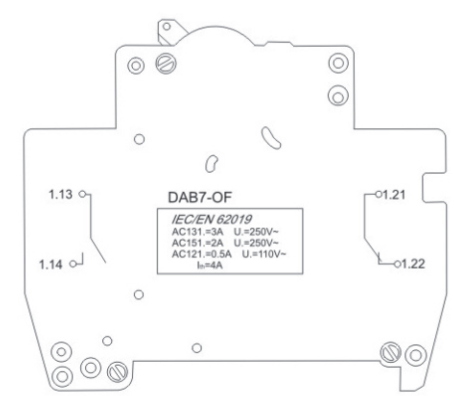
- 额定电压 Rated voltage
- 附件代码 OF－辅助触头 Accessory code (OF–auxiliary contact,
  FB－辅助报警触头 FB–auxiliary alarm contact,
  FL－分励脱扣器 FL–shunt release
  QY－欠压脱扣器 QY–under–voltage release
- 设计编号 Design No.
- 公司代码 Company code

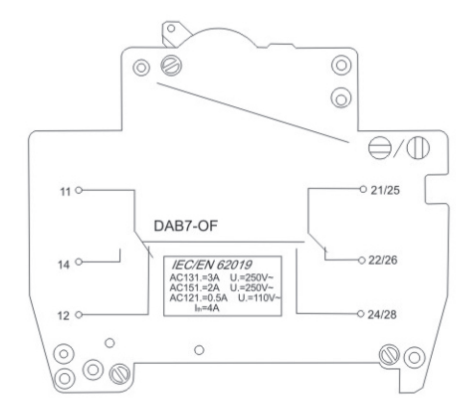
安装与使用
Installation and use

1.本系列配件只有在结合DAB7(63外壳类)系列断路器时方可使用,不可单独使用。断路器具有以下组合的配件。
断路器+辅助触头　断路器+辅助报警触头　断路器+分励脱扣器　断路器+分励脱扣器+辅助触头
断路器+分励脱扣器+辅助报警触头　断路器+欠压脱扣器
2.DAB7－63系列小型断路器的四个配件安装在断路器的左边; 用螺丝将DAB7–OF,DAB7–FB和DAB7–QY与断路器固定;两边用胶布将DAB7–FL与断路器固定,同时,用导轨安装。
3.断路器和DAB7－,DAB7–FB,DAB7–FL DAB7–QY传动轴之间的机械连接应该灵活并可适当动作。
4.DAB7–QY安装后,断路器应该无法关闭,而只有在按下测试按钮的时候才可以关闭,关闭后,断路器应立即断开且松开测试按钮,这样安装才是正确的。欠压脱扣器应该有额定电压通过。

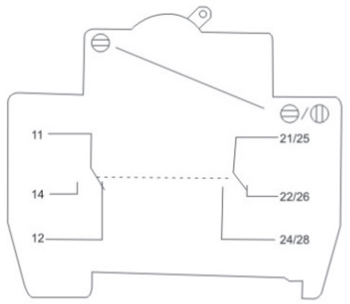
1. This series accessories can be used only when combining with DAB7(63A enclosure class) series circuit breaker, and are unusable separately. The circuit breaker has the following combinations with the accessories:
   Circuit breaker + auxiliary contact;
   Circuit breaker + auxiliary alarm contact;
   Circuit breaker + shunt release;
   Circuit breaker + shunt release + auxiliary contact;
   Circuit breaker + shunt release + auxiliary alarm contact;
   Circuit breaker + under–voltage release
2. Four accessories of DAB7–63 series miniature circuit breaker are installed on the left of circuit breaker; DAB7–OF, DAB7–FB and DAB7–QY are fixed with circuit breaker with screws; DAB7–FL is fixed with circuit breaker with double sided adhesive tape, meanwhile, installed with guide rail.
3. Mechanical connection between circuit breaker and the transmission shaft of DAB7–OF,DAB7–FB, JDAB7–FL and DAB7–QY should be flexible and have proper action.
4. After installation of DAB7–QY, circuit breaker should be unable to close, it could close only when pushing down the test button; after closing, the circuit breaker should break immediately when releasing the test button, then the installation is correct. When running, under–voltage release should have rated voltage flowing through.

产品线路
Product line





DAB7-FB辅助报警触头系列
DAB7-FB auxiliary alarm contactor



它有两组转换触头（如图所示1），当黄色指示灯在“⊖”状态时，两组都是辅助触头。当黄色指示灯在“⦶”状态时，左边是辅助触头，右边是报警触头。

It has two groups of changeover contact (as shown in fig.1), when the yellow indicator is at “⊖”, the two groups are auxiliary contacts, when the yellow indicator is at “⦶”, the left one is auxiliary contact, the right one is alarm contact.

DAB7-FL 技术参数
DAB7 - FL Technique parameters

DAB7-FL分励脱扣器的额定控制电源电压（Us）为AC50Hz 24V—110V，当实际的电流电压在70% US—110%US时，分励脱扣器将动作，断开断路器。

Rated control source voltage (Us) of DAB7-FL shunt release is AC50Hz and 24V to 110V, 110V to 400V, DC 24V to 60V, 110V to 220V, when the applied current voltage is from 70% Us to 110% Us, the shunt release will act reliably and break the circuit breaker.

DAB7-QY 技术参数
DAB7 - QY Technique parameters

DAB7-QY欠压脱扣器的额定电压(Ue)分别是230V和400V。当实际电压在70%Ue—35%Ue时，脱扣器将动作并断开断路器。当实际电压低于35%Ue时,脱扣器将防止断路器关闭。当实际电压在85%Ue—110%Ue时，脱扣器将保证断路器的关闭。

Rated voltage (Ue) of DAB7-QY under-voltage release is 230V and 400V respectively .When the applied voltage is from 70%Ue to 35% Ue, the release will act and break the circuit breaker, when the applied voltage is lower than 35%Ue,the release will prevent the circuit breaker from closing. When the applied voltage is from 85% Ue to 110%Ue, the release will guarantee closing of circuit breaker.

DAB7-FB技术参数
DAB7-FB technical parameters

使用类别 Use category	Ue（V）	Ie（A）	触头数量 Contact quantity
AC-12	230	2	2组转换触头 2 groups of change over contact
AC-15	230	1	
DC-12	110	0.5	

DAB7技术参数
DAB7 Technique parameters

使用类别 Use category	Ue（V）	Ie（A）	触头数量 Contact quantity
AC-13	230	6	1NO+1NC
	400	2	
DC-13	60	4	
	110	2	
	220	0.5	

DAB7-125 MCB小型断路器 DAB7-125 MCB Miniature Circuit Breaker

型号及含义
Type and specification

DA B 7- 125 N/H

- 25KA
- 15KA
- 壳架等级额定电流 Casing frame class rated current
- 设计序号 Design serial number
- 小型断路器 MCB
- 公司代码 Company code

技术参数
Technical parameter

电气参数
依照标准: IEC60947-2 IEC/EN60898
额定电压(Ue): 230V/400V, 50/60HZ
额定分断能力Icn: N 15kA H 25kA
额定电流In: 6-125A
极数: 1P, 2P, 3P, 4P
寿命: 不少于1000次合分闸

Electric parameter
Innaccoedancewith standard: IEC60947-2 IEC/EN60898
Rated voltage(Ue): 230V/400V, 50/60HZ
Rated break capacity Icn: N 15kA H 25kA
Rated current In: 6-125A
pole: 1P, 2P, 3P, 4P
Lifespan: No less than10000 times on-off action

机械参数
Mechnical parameter

外壳长度: 45mm
外壳高度: 98mm
外壳宽度: 27mm 每极(单极)
安装方式: 依照IEC标准导轨35mm
端子形式: 提升式接线端子
端子接线能力: 2.5-50mm²

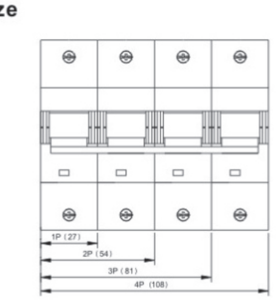
Shell length: 45mm
Shell height: 98mm
Shell width: 27mm per pole (single pole)
installationform: In accordance IECstandard35mm
Terminal shape: Lift connection terminal
Terminal wiring capacity: 2.5-50mm²

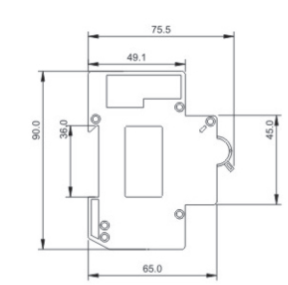
主要特点
Machinery parameter

- 符合最新标准IEC60947-2:2006
- 结构紧凑且有分合状态指示
- 极高的分断能力和限流特性
- 两端双端子适用于母线排和单芯导线
- 具有专业的配件

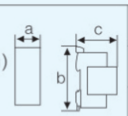
- Compiy with the latest standard IEC60947-2:2006
- precise structure and contact state breaking instruction
- highest breakin capacity and current-limft characteristic
- bilateral two-terminal is suitable to bus-bars and single conductor
- which is professional accessories

安装尺寸
Mounting Size





MCB DAB7-125

常规配电保护(IEC / EN 60898－1) For protection of general power distribution(IEC/EN 60898-1)						
极数 Poles			1P	2P	3P	4P
电气性能 Electrical performance						
功能 Functions			短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control			
额定频率 Rated frequency	f	Hz	50~60Hz			
额定工作电压 Rated working voltage	Ue	V AC	230/400	400		
额定电流 Rated current	In	A	6,10,16,20,25,32,40,50,63,80,100,125			
额定绝缘电压 Rated insulated voltage	Ui	V	500			
冲击耐受电压 Impulse withstand voltage Uimp		kV	4			
瞬时脱扣型 Instantaneous tripping type	DAB7-125N		B/C/D			
	DAB7-125H		B/C/D			
额定分断能力 Rated short circuit Icn(kA)	DAB7-125N		15			
	DAB7-125H		25（100~125A 15KA）			
脱扣类型 Release type			热磁式 Thermal magnetic type			
使用寿命 Service life (O~C)	机械 Mechanical	实际值 Actual value	8500			
		标准值 Standard value	4000			
	电气 Electrical	实际值 Actual value	1500			
		标准值 Standard value	1000			
连接和安装 Connection and installation						
防护等级 Protectiom degree			IP20			
电线 Wire		mm²	1~35			
工作温度 Working temperature			-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat			等级2 Class 2			
海拔高度 Altitude above sea			≤2000			
相对湿度 Relative humidity			+20℃，≤90%；+40℃，≤50%			
污染等级 Pollution degree			2			
安装环境 Installation environment			避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class			等级Ⅱ Class Ⅱ，等级Ⅲ Class Ⅲ			
导轨 Mounting			DIN35导轨 DIN35 rail			
尺寸 Dimensions(mm) (WxHxL) 		a	27	54	81	108
		b	90	90	90	90
		c	75.5	75.5	75.5	75.5

额定电流20~125A Rated current(A)In:20~125A

C特性曲线
C characteristic curve

瞬时特性5~10In
主要适用于商业和民用建筑领域的配电保护
Instantaneous characteristic 5~10In
Mainly used in the protection of commercial and civil construction domain
用于工业、商业和民用等电气线路短路的过载保护
Used in the overload protection due to short circuit of industrial commercial and civil

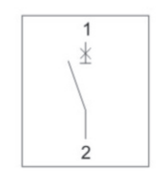
D特性曲线
Dcharacteristic curve

瞬时特性10~20In
主要适用于工业配电领域
Instantaneous characteristics 10~20In
Mainly used in industrial power domains

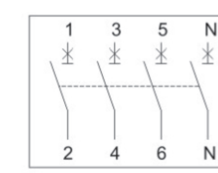
断路器脱扣特性 表2
Cricuit breaker release charactertistic(table2)

(表table2)

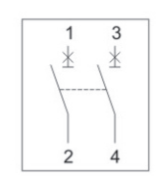
序号 serial number	脱扣器额定电流(A) release rated current(A)	起始状态 initial state	测试电流 test current		规定时间 set time	预期结果 expected result	备注 memo
1	In≤63	冷态 cold position	1.13In		T≤1h	不脱扣 non-release	
	In＞63	冷态 cold position	1.13In		T≤2h	不脱扣 non-release	电流在5S内稳定上升至规定值 current steadily raise to ratings within 5S
2	In≤63	紧接前项试验后进行 next to former test	1.45In		T＜1h	脱扣 release	
	In＞63	紧接前项试验后进行 next to former test	1.45In		T＜2h	脱扣 release	
3	In＞63	冷态 cold position	5In	10In	T＞0.2s	不脱扣 non-release	5In(C型) 10In(D型)
			10In	20In	T＜0.2s	脱扣 release	5In(C型) 20In(D型)

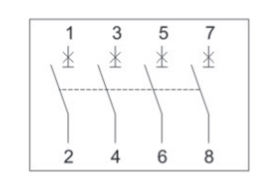
1极 1 pole

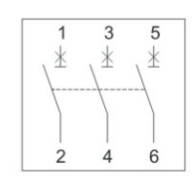
3极+中心线
3 pole+centric line

2极 2 pole

4极 4 pole

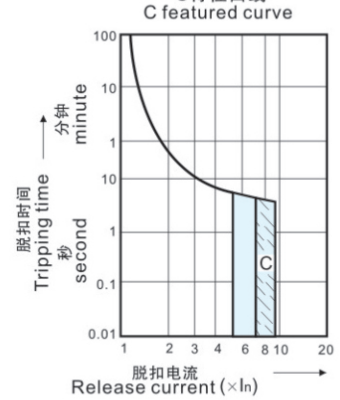
3极 3 pole

DAB7-125小型断路器 DAB7-125 Miniature Circuit Breaker

脱扣特征符合IEC898 (EN60898)B特性曲线:用于照明配电系统
C特性曲线:用于照明配电、插座回路或部分配电系统
D特性曲线:用于电力或其他强感性负载回路

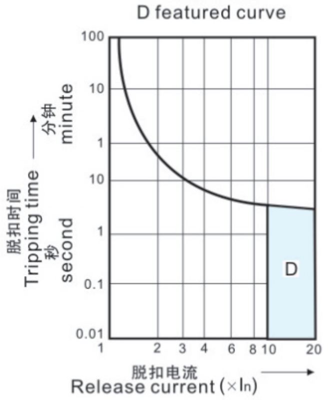
Release characteristics according to IEC898(EN60898)
B featured curve:used in lighting power distribution system
C featured curve:used in lighting distribution, socket loop circuit orpartial power distribution system
D featured curve:used in power or other intensive conductload loop circuit

C特性曲线
C featured curve

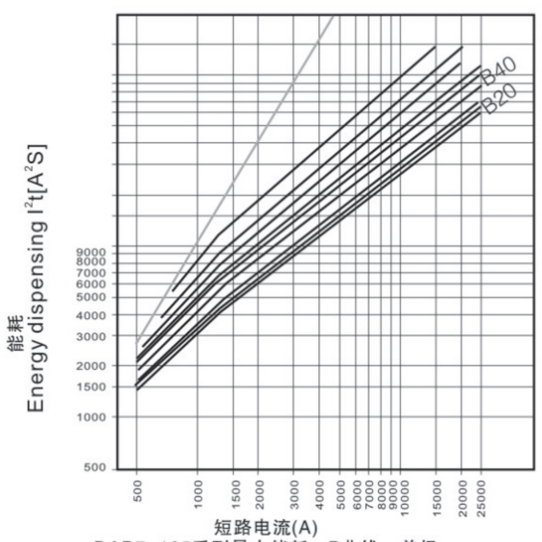


脱扣电流
Release current (×In)

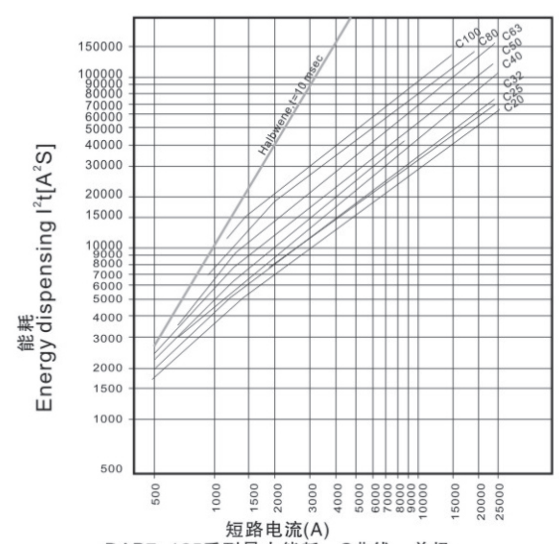
D特性曲线
D featured curve



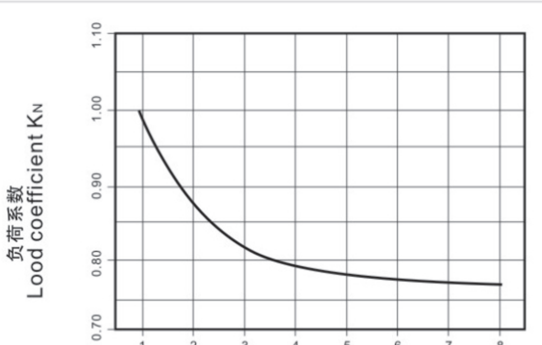
脱扣电流
Release current (×In)



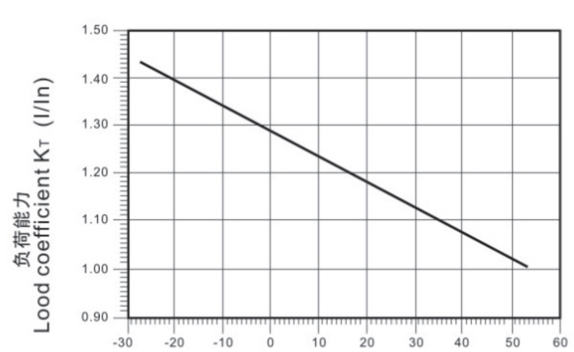
短路电流(A)
DAB7-125系列最大能耗，B曲线，单极
Short circuit current (A)
DAB7-125 Series maximum energy consuming, B curve, single pole



短路电流(A)
DAB7-125系列最大能耗，C曲线，单极
Short circuit current (A)
DAB7-125 Series maximum energy consuming, C curve, single pole



开关个数(n)MCB的负荷能力
Switch number(n)Load capacity of MCB



室温 Inner temperature T(℃)
温度影响 Temperature influence

DAB7N-40 MCB小型断路器 DAB7N-40 MCB Miniature Circuit Breaker

型号及含义
Type and specification

产品概述
Product Description

DAB7N-40系列小型断路器采用1 P + N的双断点,两极绝缘且隔开,在同步操作下,N极始终保持先接通,后分断，从而保证了保护极分断电弧的能力，又有效地保护被控制线路和电气设备的安全。

DAB7N-40 series miniature circuit breaker adopts double-break point of 1P+N, the two poles are insulated and isolated fromeach other, under synchronous operation, N-pole always will make first and break later, which guarantees electric arc breaking capacity of protected pole,also ensures safety of controlled circuits and electric equipment.

技术参数
Technical parameter

电气参数	
符合的标准：	IEC60898, GB10963
额定电压(Ue)：	230V,50Hz
额定分断能力 Icn:	6kA
额定电流:	40A
脱扣特性:	B、C 特性曲线
极数:	1P+N
使用寿命:	不少于180000次通断动作

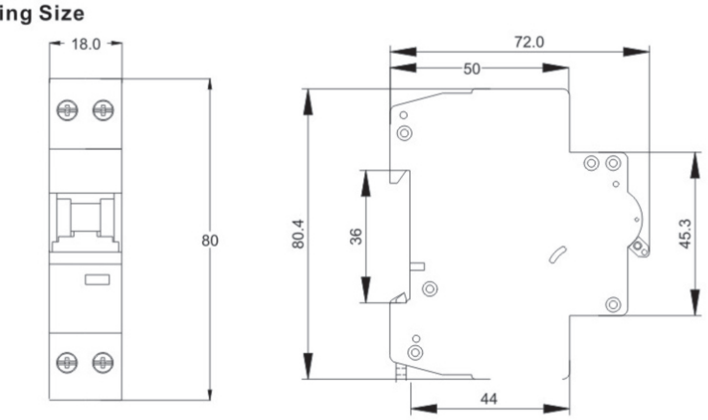
Electric parameters	
Comply with the standards：	IEC60898, GB10963
Rated voltage (Ue)：	230V,50Hz
Rated breaking capacity Icn:	6kA
Rated current:	40A
Tripping characteristics:	B and C characteristic curve
Pole number:	1P+N
Service life:	not less than 18000 times of making and breaking operation

机械参数
mechanical parameter

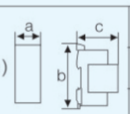
外壳长度:	45毫米
外壳高度:	80毫米
外壳宽度:	18.0毫米(单极)
安装方式:	IEC标准导轨3mm
端子形式:	两用端子可连接母排及导线
端子接线能力:	导线1-25mm² 母线厚度0.8－2mm

Length of exposed surface:	45mm
Height of enclosure:	80mm
Width of enclosure:	18.0mm(single pole)
Mounting means:	IEC standard guide rail of 3mm
Terminal form:	two-purposed terminal can connect the busbar and conductor
Connection capacity of terminal:	conductor of 1-25mm² Thickness of busbar 0.8-2mm

安装尺寸
Mounting Size



MCB DAB7N-40

常规配电保护(IEC / EN 60898－1) **For protection of general power distribution (IEC/EN 60898-1)**	
极数 Poles	1P+N （18mm)
电气性能 Electrical performance	
功能 Functions	短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control
额定频率 Rated frequency f Hz	50–60Hz
额定工作电压 Rated working voltage Ue V AC	230
额定电流 Rated current In A	40
额定绝缘电压 Rated insulated voltage Ui V	500
冲击耐受电压 Impulse withstand voltage Uimp kV	4
瞬时脱扣型 Instantaneous tripping type DAB7N–40	B/C
额定分断能力Rated short circuit Icn(kA) DAB7N–40	6
脱扣类型 Release type	热磁式 Thermal magnetic type
使用寿命 Service life (O~C) 机械 Mechanical 实际值 Actual value	12000
使用寿命 Service life (O~C) 机械 Mechanical 标准值 Standard value	4000
使用寿命 Service life (O~C) 电气 Electrical 实际值 Actual value	6000
使用寿命 Service life (O~C) 电气 Electrical 标准值 Standard value	4000
连接和安装 Connection and installation	
防护等级 Protectiom degree	IP20
电线 Wire mm²	1~35
工作温度 Working temperature	–5 ~ +40℃
阻燃等级 Resistance to humidity and heat	等级2 CLASS 2
海拔高度 Altitude above sea	≤2000
相对湿度 Relative humidity	+20℃ , ≤90% ;+40℃ , ≤50%
污染等级 Pollution degree	2
安装环境 Installation environment	避免明显的冲击和震动 AVOID OBVIOUS SHOCK AND VIBRATION
安装等级 Installation class	等级 Ⅱ CLASS Ⅱ ，等级 Ⅲ CLASS Ⅲ
导轨 Mounting	DIN35导轨 DIN35 RAIL
可安装附件 Combination with accessories	
辅助触头 Auxiliary contact	√
报警触头 Alarm contact	√
分励脱扣器 Shunt release	√
欠压脱扣器 Under voltage release	√
辅连报 Auxiliary contact+Alarm contact	√
尺寸 Dimensions(mm) (WxHxL)  a	18
b	80
c	72

DAB7LN–40小型漏电断路器 DAB7LN-40 RCBO Miniature Residual Current Circuit Breaker

型号及含义
Type and specification

DA B 7 LN – 40

- 40: 壳架等级额定电流 Casing frame class rated current
- LN: L .电子式 L.Electronic type; N .中性极 N.Neutral pole
- 7: 设计序号 Design serial number
- B: 漏电断路器 RCBO
- DA: 公司代码 Company code

产品概述
Product Description

DAB7LN–40系列产品具有体积小、分断能力高（6KA）,中性断开等功能,广泛应用于AC50Hz,额定电压230V，额定电流不超过40A的低压电气系统中,保护人体免受电击,保护建筑物和同等要求的电路设备过流或短路。产品还可用于防止因电路电气设备绝缘损坏导致接地电流事故引起的火灾危险。

DAB7LN–40 series The products are featured with small volume , high breaking capacity of 6KA, neutral breaking function, etc, are widely applied to low–voltage electric systems of AC50 HZ, rated voltage of 230V and rated current not exceed 40A, protect the human body against electric shock, and protect the building and similar purposed circuit equipment against over current or short–circuit.The products also can be used to prevent fire danger caused by earth fault current due to the damage of insulation of circuits and electrical equipment.

技术参数
Technical parameter

电气参数

符合的标准：	IEC61009, GB16917
额定电压 (Ue)：	230V,50Hz
额定分断能力 Icn:	6kA
额定电流:	40A
脱扣特性:	B、C 特性曲线
极数:	1P+N
使用寿命:	不少于180000次通断动作

Electric parameters

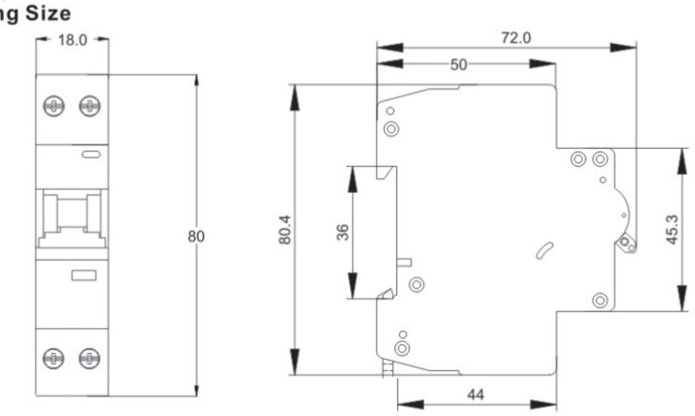
Comply with the standards：	IEC61009, GB16917
Rated voltage (Ue)：	230V,50Hz
Rated breaking capacity Icn:	6kA
Rated current:	40A
Tripping characteristics:	B and C characteristic curve
Pole number:	1P+N
Service life:	not less than 18000 times of making and breaking operation

机械参数
Mechanical parameter

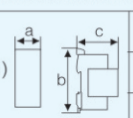
外壳长度:	45毫米
外壳高度:	80毫米
外壳宽度:	18.0毫米(单极)
安装方式:	IEC标准导轨3毫米
端子形式:	两用端子可连接母排及导线
端子能力:	导线1–25mm² 母排厚度0.8 – 2毫米

Length of exposed surface:	45mm
Height of enclosure:	80mm
Width of enclosure:	18.0mm(single pole)
Mounting means:	IEC standard guide rail of 3mm
Terminal form:	two–purposed terminal can connect the busbar and conductor
Connection capacity of terminal:	conductor of 1–25mm² Thickness of busbar 0.8–2mm

安装尺寸
Mounting Size



RCBO DAB7LN-40

常规配电保护(IEC / EN 61009－1) For protection of general power distribution (IEC/EN 61009-1)			
极数 Poles			1P+N (18mm)
电气性能 Electrical performance			
功能 Functions			短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control
额定频率 Rated frequency f Hz			50–60Hz
额定工作电压 Rated working voltage Ue V AC			230
额定电流 Rated current In A			40
Rated residual current I△n mA			10,30,100
额定绝缘电压 Rated insulated voltage Ui V			500
冲击耐受电压 Impulse withstand voltage Uimp kV			4
瞬时脱扣型 Instantaneous tripping type		DAB7LN–40	B/C
额定分断能力 Rated short circuit Icn(kA)		DAB7LN–40	6
脱扣类型 Release type			热磁式 Thermal magnetic type
使用寿命 Service life (O~C)	机械 Mechanical	实际值 Actual value	12000
		标准值 Standard value	4000
	电气 Electrical	实际值 Actual value	6000
		标准值 Standard value	4000
连接和安装 Connection and installation			
防护等级 Protectiom degree			IP20
电线 Wire mm²			1~35
工作温度 Working temperature			–5 ~ +40℃
阻燃等级 Resistance to humidity and heat			等级2 CLASS 2
海拔高度 Altitude above sea			≤2000
相对湿度 Relative humidity			+20℃，≤90% ;+40℃，≤50%
污染等级 Pollution degree			2
安装环境 Installation environment			避免明显的冲击和震动 AVOID OBVIOUS SHOCK AND VIBRATION
安装等级 Installation class			等级 Ⅱ CLASS Ⅱ，等级 Ⅲ CLASS Ⅲ
导轨 Mounting			DIN35导轨 DIN35 RAIL
可安装附件 Combination with accessories			
辅助触头 Auxiliary contact			√
报警触头 Alarm contact			√
分励脱扣器 Shunt release			√
欠压脱扣器 Under voltage release			√
辅连报 Auxiliary contact+Alarm contact			√
尺寸 Dimensions(mm) (WxHxL)		a	18
		b	80
		c	72

DABL–40 / DABL－63 DABF–40 / DABF－63小型漏电断路器
DABL-40/DABL-63RCBO DABF-40/DABF-63RCBO Miniature Residual Current Circuit Breaker

型号及含义
Type and specification

DA B L/F – 40/63

- 63: 6~63A(6KA)
- 40: 6~40A(10KA)
  壳架等级额定电流 Casing frame class rated current
- L/F: L.电子式 Electronic type
  F.电磁式 Electromagnetic type
- B: 小型断路器 MCB
- DA: 公司代码 Company code

注意事项
Notice Matters

1.断路器应根据标记的两级接线,电源的正负极性应该是绝对正确的。

2.断路器的电源输入终端是“1”(1 p)或“1、3”(2 p),负载终端是“2”(1 p)或“2”(正极负载),4(负极负载)(2 p),切勿接线错误。

1.The circuit breaker should be wired according to the polarity marks, the positiveand negative polarities of power supply should be absolutely proper.

2.Power incoming terminal of circuit breaker is “1”(1P) or “1,3”(2P), loadterminal is “2”(1P) or “2” (positive end of load), 4 (negative end of load)(2P), don't make wrong connnection.

买家须知
Order guidelines

下订单时,请确认断路器型号，额定电流，脱扣类型，极数和数量。例如：如需订购DAB7－63 /DC小型直流断路器,额定电流为63A，脱扣类型是C,两极,C型40A,100只, 那可以表述为：JAB7–63/DC/2–C40 100pcs。

When placing an order, please give clear indications on model, rated current value, tripping type, pole number and quantity of circuit breaker e.g: DAB7–63/DC miniature direct – current circuit breaker, rated current is 63A tripping type is C, two–pole, C type 40A, 100 pieces, then it can be expressed as:JAB7– 63/ DC /2–C40100pcs.

产品概述
Product Description

DABL–40系列小型断路器是在借鉴国外先进技术的基础上由本公司自行研发的一款新产品。符合标准GB16917.1和IEC61009－1。产品具有体积小、分断能力高10kA,中性开断等功能,广泛应用于AC 50赫兹,额定电压230V,额定电流不超过63A的低压电气系统中, 保护人体免受电击,保护建筑物和同等要求的电路设备过载或短路。产品还可用于防止因电路电气设备绝缘损坏导致接地电流事故引起的火灾危险。本产品还具有更多电流范围选择，最高63A可以替代两极拼极产品，从而节省空间。

DABL–40 series miniature circuit breaker is a new type product researched and developed by our company dependently on the basis of absorbing overseas advanced technologies. It complies with the standards GB16917.1and IEC61009–1.The products are featured with small volume , high breaking capacity of 10KA, neutral breaking function, etc, are widely applied to low–voltage electric systems of AC50 HZ, rated voltage of 230V and rated current not exceed 63A, protect the human body against electric shock, and protect the building and similar purposed circuit equipment against overcurrent or short –circuit.The products also can be used to prevent fire danger caused by earthing fault current due to the damageof insulation of circuits and electrical equipment.The product also has wide current range, up to 63A is available, instead of two–pole and medley pole products,saves space.

电气参数
Electric parameter

符合标准:	IEC61009 (En61009) GB16917.1
灵敏度:	A 型 AC 型
脱扣时间:	G 最少10ms 延时
额定电压(Ue):	230V/400V,50HZ
额定电流 In:	6–63A
脱扣特性:	B,C,D特性曲线
外壳防护等级:	IP40（安装后）
额定分断能力Icn:	10kA(DABL–40),6kA(DABL–63)
额定剩余动作电流:	10mA 30mA, 50mA 100mA, 300mA
最大可连上的熔断器:	100AgL(> 10KA)
抗环境力:	按照IEC10081L标准
总寿命:	180000次通断动作
寿命: 电气	不少于6000次通断
机械	不少于12000次通断

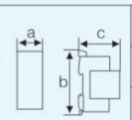
In accoedance With standard:	IEC61009 (En61009) GB16917.1
Sensitivity:	A type AC type
Release time:	G min loms drang time
Rated voltacje(Ue):	230V/400V,50HZ
Rated current In:	6–63A
Release features:	B C, Dfeatures curves
Shell protection grade:	IP40(Afier instaiiation)
Ratedbreak capacity Icn:	10kA(DABL–40),6kA(DABL–63)
Rated residual action current:	10mA 30mA, 50mA 100mA, 300mA
Maximum available fuse:	100AgL(> 10KA)
Climatic conditions resistance:	Accordfng to IEC1008 in L standard
Total life:	180000 times of operation
Lifespan: electric	No less than 6000 times on–offaction
Machinery	No less than 12000 times on–off action

主要特点
Machinery parameter

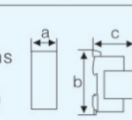
- 极高分断能力10KA
- 结构紧凑,体积小(2个模数宽)
- 具有中线开断功能，更安全可靠
- 双功能接线端子，接线能力强
- 具有触头状态指示器，便于识别触头接触情况
- 可做到63A，更多电流选择
- 可与多种附件配用，并可带过压保护

- High break capacity 10kA
- Compact configuration, small size(2 standard dimensions)
- Centrtc line off capacity, more safe and reliable
- Duaf function connection terminal, Well connected
- Contacts condition indicator easy to identify contact information
- Up to 63A is available, wider current range
- Matchable with many kinds of accessories, can be equipped with over–voltageprotection

RCBO DABL-40/63

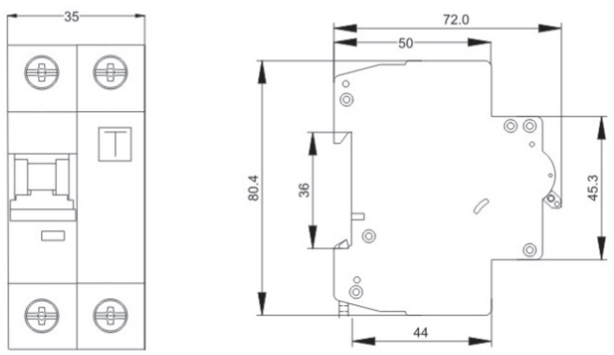
常规配电保护(IEC / EN 60898－1) For protection of general power distribution (IEC/EN 60898-1)	 DABL-40	 DABL-40	 DABL-63	 DABL-63
极数 Poles of number	1P+N / 2P	3P+N / 4P	2P	3P+N / 4P
电气性能 Electrical performance				
额定电流 Rated current In A	6~63A	6~32A	6~63A	6~63A
脱扣类型 Release type	电子式 Electronic type			
功能 Functions	短路、漏电、过载、过压、隔离保护 Protection against short circuit , leakage ,overload, over voltage,isolation			
剩余电流类型 Type of residual current	AC and A			
额定频率 Rated frequency f Hz	50~60Hz			
额定工作电压 Rated working voltage Ue VAC	230/400			
额定剩余电流 Rated residual current I△n mA	10,30,100,300			
绝缘电压 Insulation voltage Ui	500V			
额定冲击耐受电压Rated impulse withstand voltage Uimp	6KV			
瞬时脱扣型 Instantaneous tripping type	B/C/D			
额定分断能力 Rated short circuit Icn(kA)	DABL-40 10KA, DABL-63 6KA			
使用寿命 Service life (O~C) 机械 Mechanical	12000			
使用寿命 Service life (O~C) 电气 Electrical	6000			
连接和安装 Connection and installation				
防护等级 Protection degree	IP40			
电线 Wire mm²	1~25			
工作温度 Working temperature (with daily average≤35℃)	-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat	等级2 Class 2			
海拔高度 Altitude above sea	≤2000			
相对湿度 Relative humidity	+20℃，≤90% ;+40℃，≤50%			
污染等级 Pollution degree	2			
安装环境 Installation environment	避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class	等级 II Class II，等级 III Class III			
可安装附件 Combination with accessories				
辅助触头 Auxiliary contact	√	√	√	√
报警触头 Alarm contact	√	√	√	√
辅连报触头 ALT+AUX	√	√	√	√
分励脱扣器 Shunt release	√	√	√	√
欠压脱扣器 Under voltage release	-	-	-	-
过压脱扣 Over voltage release	√	√	√	√
尺寸 Dimensions (mm) (WxHxL)  a	36 / 54	72 / 90	54	72 / 90
b	80.4	80.4	95	95
c	72	72	72	72

RCBO DABF-40/63

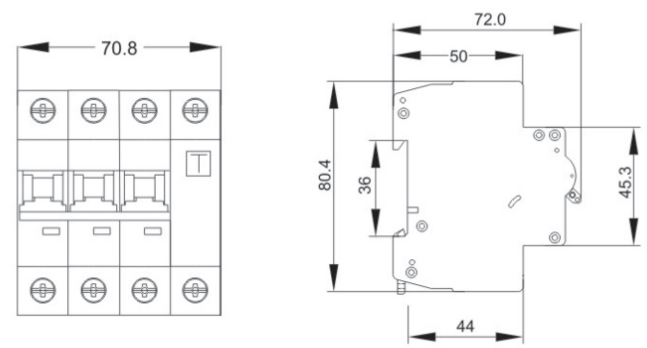
常规配电保护(IEC / EN 60898－1) For protection of general power distribution (IEC/EN 60898-1)	 DABF-40	 DABF-40	 DABF-63	 DABF-63
极数 Poles of number	1P+N / 2P	3P+N / 4P	2P	3P+N / 4P
电气性能 Electrical performance				
额定电流 Rated current In A	6~32A / 40~63A	6~25A / 32~40A	6~63A	6~63A
脱扣类型 Release type	电磁式 Magnetic type			
功能 Functions	短路、漏电、过载、过压、隔离保护 Protection against short circuit , leakage ,overload, over voltage,isolation			
剩余电流类型 Type of residual current	AC and A			
额定频率 Rated frequency f Hz	50~60Hz			
额定工作电压 Rated working voltage Ue V AC	230/400			
额定剩余电流 Rated residual current I△n mA	10,30,100,300			
绝缘电压 Insulation voltage Ui	500V			
额定冲击耐受电压 Rated impulse withstand voltage Uimp	6KV			
瞬时脱扣型 Instantaneous tripping type	B/C/D			
额定分断能力 Rated short circuit Icn(kA)	6			
使用寿命 Service life (O~C) 机械 Mechanical	12000			
使用寿命 Service life (O~C) 电气 Electrical	6000			
连接和安装 Connection and installation				
防护等级 Protection degree	IP40			
电线 Wire mm²	1~25			
工作温度 Working temperature (with daily average≤35℃)	-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat	等级2 Class 2			
海拔高度 Altitude above sea	≤2000			
相对湿度 Relative humidity	+20℃，≤90% ;+40℃，≤50%			
污染等级 Pollution degree	2			
安装环境 Installation environment	避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class	等级 II Class II，等级 III Class III			
可安装附件 Combination with accessories				
辅助触头 Auxiliary contact	Yes	Yes	Yes	Yes
报警触头 Alarm contact	Yes	Yes	Yes	Yes
辅连报触头 ALT+AUX	Yes	Yes	Yes	Yes
分励脱扣器 Shunt release	Yes	Yes	Yes	Yes
欠压脱扣器 Under voltage release	-	-	-	-
过压脱扣 Over voltage release	-	-	-	-
尺寸 Dimensions (mm) (WxHxL)  a	36/54 36(＜32A) 40(40~63A)/ 54(＜32A) 59(40~63A)	72/90 72(6~25A) 77(32~40A)/ 90(6~25A) 95(32~40A)	54	72/90
b	80.4	80.4	106	106
c	72	72	72	72

安装尺寸 Mounting size

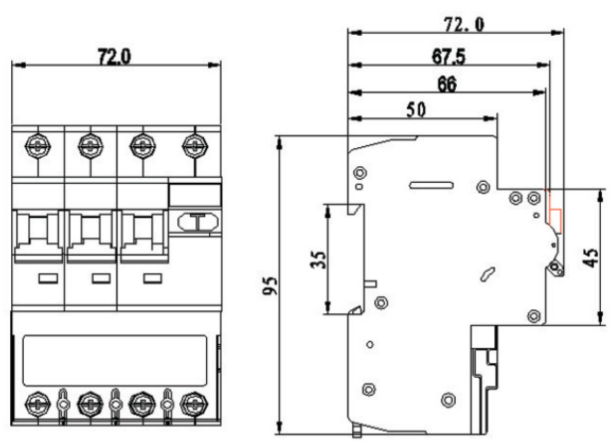
DABL(F)-40/63 1P+N



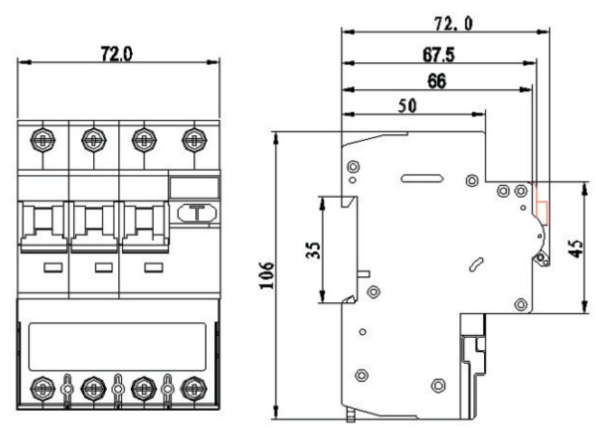
DABL-40/63 3P+N In≤32A

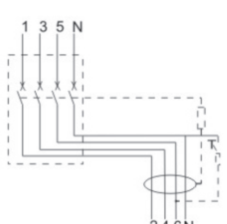


DABL-63 In≤63A 3P+N



DABF-63 In≤63A 3P+N





断路器脱扣特性
Cricuit breaker release charactertistic

表2 table 2

测试类型 Testing type	I△n(mA)	In(mA)	最大剩余电流断路时间 Maximum Residual current breaking time S				
			I△n	2I△n	5I△n	10I△n	
接通试验 On-off test load test	30	任何值 Any value	0.3	0.15	0.04	0.04	延时型最小不驱动时间0.04 delay-time type Minimun non-actuating time 0.04
接通试验 On-off test load test	30	任何值 Any value	0.3	0.15	0.04	0.04	

备注：I△n≤30mA的漏电断路器用0.25A代替5I△n
Note: For I△n≤30mA RCBO use 0.25A instead of 5I△n

DAB6－63小断路器 DAB6-63 MCB Miniature Circuit Breaker

型号及含义
Type and specification

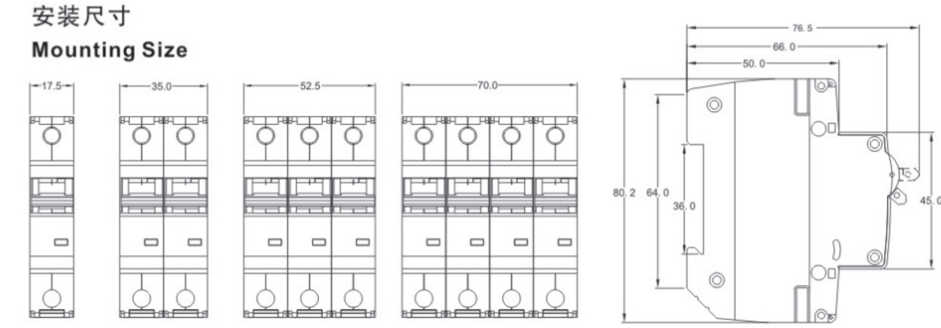
技术参数
Technical parameter

符合电气标准:	IEC60898,GB10963
额定电压(Ue):	230V/400V,50HZ
额定短路 Icn(kA):	5KA(2-40A),4KA(50-63A)
额定分断能力 Icn:	5KA
寿命: 电气:	不少于8000次通断动作
机械:	不少于20000次通断动作
Conform to standard:	IEC60898,GB10963
Rated voltage(Ue):	230V/400V,50HZ
Rated short circuit Icn(kA):	5KA(2-40A),4KA(50-63A)
Rated breaking capacity Icn:	5KA
Life: Electrical:	not less of 8,000 times switching operation
Mechanical:	not less of 20.000 times switching operation

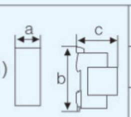
机械参数
Mechanical parameter

外壳长度:	45毫米
外壳高度:	80毫米
外壳宽度:	17.5mm 每极 (单极)
安装方式:	采用IEC标准导轨35毫米
端子接线能力:	导线1-25mm²母排厚度:0.8－2毫米
The length of exposed plane:	45mm
Enclosure height:	80mm
Enclosure width:	17.5mm per pole (single pole)
MoUnting manner:	Adopt conduct rail of 35mm of IEC standard
Terminaf shape:	Two-function terminalcan connectwith busbar and soft of hard conducting wire
Terminal block capacity:	Conducting wire 1-25mm² Busbar thickness:0.8-2mm

安装尺寸
Mounting Size



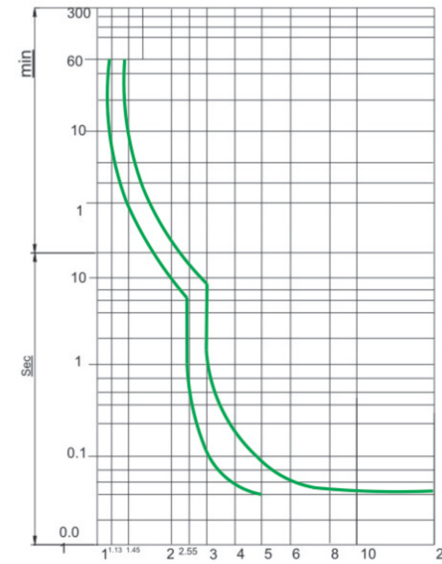
MCB DAB6-63

常规配电保护(IEC / EN 60898 – 1) **For protection of general power distribution (IEC/EN 60898-1)**					
极数 Poles		1P	2P	3P	4P
电气性能 Electrical performance					
功能 Functions		短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control			
额定频率 Rated frequency f Hz		50–60Hz			
额定工作电压 Rated working voltage Ue V AC		230/400	400		
额定电流 Rated current In A		2,4,6,10,16,20,25,32,40,50,63			
额定绝缘电压 Rated insulated voltage Ui V		500			
冲击耐受电压 Impulse withstand voltage Uimp kV		4			
瞬时脱扣型 Instantaneous tripping type	DAB6–63	B/C/D			
额定分断能力 Rated short circuit Icn(kA)	DAB6–63	5KA(2~40A) ,4KA(50~63A)			
脱扣类型 Release type		热磁式 Thermal magnetic type			
使用寿命 Service life (O~C) 机械 Mechanical	实际值 Actual value	20000			
	标准值 Standard value	4000			
电气 Electrical	实际值 Actual value	8000			
	标准值 Standard value	4000			
连接和安装 Connection and installation					
防护等级 Protection degree		IP20			
电线 Wire mm²		1~35			
工作温度 Working temperature		–5 ~ +40℃			
阻燃等级 Resistance to humidity and heat		等级2 Class 2			
海拔高度 Altitude above sea		≤2000			
相对湿度 Relative humidity		+20℃，≤90%；+40℃，≤50%			
污染等级 Pollution degree		2			
安装环境 Installation environment		避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class		等级 Ⅱ Class Ⅱ，等级 Ⅲ Class Ⅲ			
导轨 Mounting		DIN35导轨 DIN35 rail			
可安装附件 Combination with accessories					
辅助触头 Auxiliary contact		√			
报警触头 Alarm contact		√			
分励脱扣器 Shunt release		√			
欠压脱扣器 Under voltage release		√			
辅连报 Auxiliary contact+Alarm contact		√			
尺寸 Dimensions(mm) (WxHxL) 	a	17.5	35	52.5	70
	b	80.2	80.2	80.2	80.2
	c	76.5	76.5	76.5	76.5

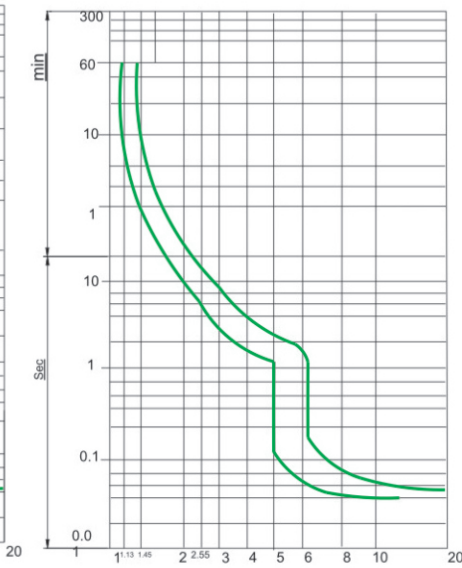
C·DADA www.cdada.net

断路器的每极功耗

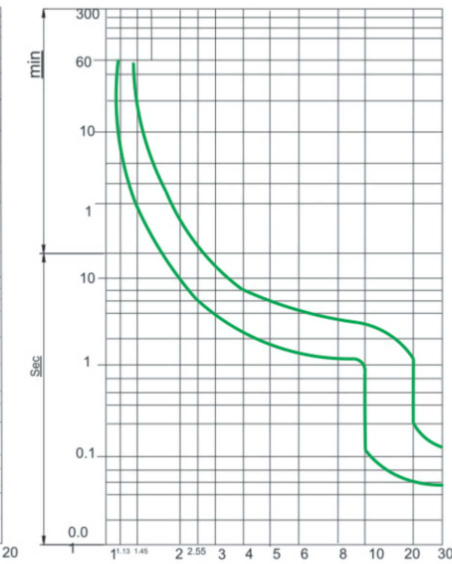
额定电流In（A）	每级最大功耗（W）
2–6	2
16–32	3.5
40–63	5



B特性（1–63A）



C特性（1–63A）

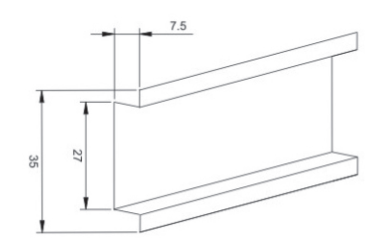


D特性（1–63A）

断路器脱扣特征类型和应用范围(表1)
1.Circuit breaker release characteristic type and application scope(table 1)

表1 (table 1)

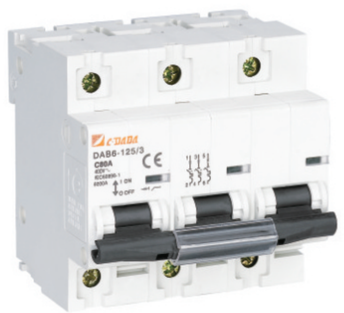
脱扣特性 Release characteristic	描述 description	应用范围 Application scope
B	B特性用于需要较快速度脱扣且短路电流不是很大的小型断路器的适用场合。允许通过的峰值电流< 3 In B features applied to faster release and the circuit breaker have smaff short current as well as allowe through maximum current <3In	变压器二次线路的保护 For protecting of transformer secondary line
C	C特性适用于大部分的电气回路，它允许负载通过较高的短时峰值电流而断路器不动作，可允许通过的峰值电流最大可达5 In。 C features applied to most electric loop,it allows load through higher short time peak current and circuit breaker no operation,but permit through peak current maximum is up to 5 In.	一般电气回路的保护 For protecting of common electricloop.
D	D特性被推荐用于很高的峰值电流(10 In)的开关设备。例如,用于变压器的一次线路和电磁阀、电机启动等的保护。 D features were recommended to higher peak current (10In of switch device.For example,it used for protecting transformer one times line,maqnetic valve and motor start,etc.	变压器一次线路的保护 For protecting one times line



安装导轨
Mounting conduct rail

MCB 塑壳断路器
MCB accessory 塑壳断路器附件
MCB 小型断路器

DAB6-100小型断路器 DAB6-100MCB Miniature Circuit Breaker



型号及含义
Type and specification

DA B 6 - 100

- 100 — 壳架等级额定电流 Frame size rated current
- 6 — 设计序号 Design Number
- B — 小型断路器 MCB
- DA — 公司代码Company code

技术参数
Technical parameter

3.11 断路器额定电流:63A,80A,100A
3.12 断路器极数分为:一极、两极、三极、四极
3.11 circuit breaker rated current:63A,80A,100A,
3.12 pole circuit breaker is divided into:one pole,two pole,three pole and four pole

技术参数
Technical parameter

电气参数

符合标准:	IEC60898
额定电压(Ue):	230V/400V,50Hz
额定分断能力 Icn:	6/10kA
额定电流:	16A,25A,32A,40A,50A,63A,80A,100A
脱扣特性:	B,C,D特性曲线
极数:	1P,2P,3P,4P
使用寿命:	不少于10000次通断动作

Electric parameters

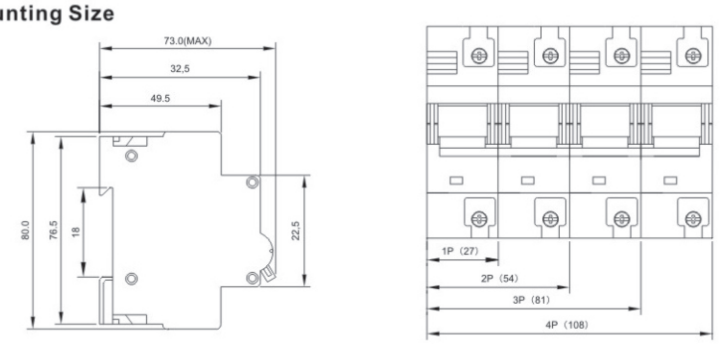
Comply with the standards:	IEC60898
Rated voltage(Ue):	230V/400V,50Hz
Rated breaking capacity Icn:	6/10kA
Rated current:	16A,25A,32A,40A,50A,63A,80A,100A
Tripping characteristics:	B,C and D characteristic curve
Pole number:	1P,2P,3P,4P
Service life:	not less than 10000 times of making and breaking operation

机械参数
Mechanical parameter

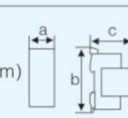
外壳长度:	22.5毫米
外壳高度:	80毫米
外壳宽度:	27.0毫米(单极)
安装方式:	IEC标准导轨3毫米
端子形式:	两用端子可连接母排及导线

Length of exposed surface:	22.5mm
Height of enclosure:	80mm
Width of enclosure:	27.0mm(single pole)
Mounting means:	IEC standard guide rail of 3mm
Terminal form:	two-purposed terminal can connect the busbar and conductor

安装尺寸
Mounting Size



MCB DAB6-100

常规配电保护(IEC / EN 60898－1) For protection of general power distribution(IEC/EN 60898-1)				
极数 Poles	1P	2P	3P	4P
电气性能 Electrical performance				
功能 Functions	短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control			
额定频率 Rated frequency f Hz	50~60Hz			
额定工作电压 Rated working voltage Ue V AC	230/400	400		
额定电流 Rated current In A	63,80,100,125			
额定绝缘电压 Rated insulated voltage Ui V	500			
冲击耐受电压 Impulse withstand voltage Uimp kV	4			
瞬时脱扣型 Instantaneous tripping type DAB6-100	B/C/D			
额定分断能力 Rated short circuit Icn(kA) DAB6-100	10KA(16~63A) ,6KA(80~100A)			
脱扣类型 Release type	热磁式 Thermal magnetic type			
使用寿命 Service life (O~C) 机械 Mechanical 实际值 Actual value	8500			
使用寿命 Service life (O~C) 机械 Mechanical 标准值 Standard value	4000			
使用寿命 Service life (O~C) 电气 Electrical 实际值 Actual value	1500			
使用寿命 Service life (O~C) 电气 Electrical 标准值 Standard value	1000			
连接和安装 Connection and installation				
防护等级 Protectiom degree	IP20			
电线 Wire mm²	1~35			
工作温度 Working temperature	-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat	等级2 Class 2			
海拔高度 Altitude above sea	≤2000			
相对湿度 Relative humidity	+20℃，≤90% ;+40℃，≤50%			
污染等级 Pollution degree	2			
安装环境 Installation environment	避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class	等级 Ⅱ Class Ⅱ，等级 Ⅲ Class Ⅲ			
导轨 Mounting	DIN35导轨 DIN35 rail			
尺寸 Dimensions(mm) (WxHxL)  a	27	54	81	108
b	80	80	80	80
c	73	73	73	73

DAB6LE小型漏电断路器 DAB6LE-63RCBO Miniature Residual Current Circuit Breaker

型号及含义
Type and specification

DA B 6 LE – 63

- 壳架等级额定电流 Casing frame clss rated current
- L.电子式 L.Electronic type
- 设计序号 Design serial number
- 小型漏电断路器 RCBO
- 公司代码 Company code

电气参数
Electric parameter

符合标准:	IEC61009(EN61009) GB16917.1
灵敏度:	A 型 AC 型
脱扣时间:	G 最少10ms 延时
额定电压(Ue):	230V/400V，50–60HZ
额定电流 In:	6–63A
脱扣特性:	B,C,D特性曲线
外壳防护等级:	IP40（安装后）
额定分断能力Icn:	5KA(6–40A),4KA(50–63A)
额定剩余动作电流:	30mA，100mA，300mA
最大可连上的熔断器:	100AgL(>10KA)
抗环境力:	按照IEC10081L标准
总寿命:	180000次通断动作
寿命: 电气	不少于6000次通断
机械	不少于12000次通断

In accoedance With standard:	IEC61009(EN61009) GB16917.1
Sensitivity:	A type AC type
Release time:	G min loms drang time
Rated voltacje(Ue):	230V/400V，50–60HZ
Rated current In:	6–63A
Release features:	B C ,Dfeatures curves
Shell protection grade;	IP40(Afier instaiiation)
Ratedbrak capacitylcn:	5KA(6–40A),4KA(50–63A)
Rated residual action current:	30mA，100mA，300mA
Maximum available fuse:	100AgL(>10KA)
Climatic conditions resistance:	Accordfng to IEC 1008 in Lstandard
Total life:	180000 times of operation
Lifespan: electric	No less than6000times on–offaction
Machinery	No less than 12000times on–off action

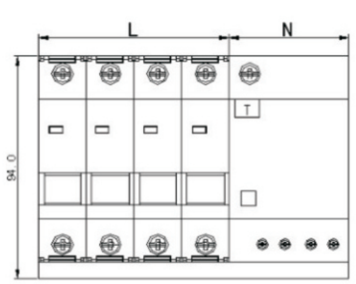
机械参数
Mechanical parameter

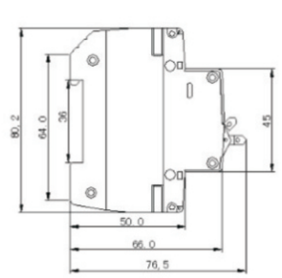
极高的分断能力能力6KA
结构紧凑,体积小(2个模数宽)
具有中线开断功能，更安全可靠
双功能接线端子，接线能力强
具有触头状态指示器，便于识别触头接触情况
可做到63A，更多电流选择
可与多种附件配用，并可带过压保护

High break capacity 6kA
Compact configuration,small size(2 standard dimensions)
Centrtc line off capacity,more safe and reliable
Duaf function connection terminal,Well connected
Contacts condition indicator easy to identify contact information
Up to 63A is available,wider current range
Matchable with many kinds of accessories,can be equipped with over–voltage protection

安装尺寸
Mounting Size

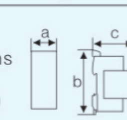
L(mm)	1P: 18mm 2P: 36mm 3P: 54mm 4P: 72mm									
极数 Poles of number	1P+N		2P		3P		3P+N		4P	
L+N(mm)	63A	32A	63A	32A	63A	32A	63A	32A	63A	32A
	54	45	72	63	103	90	117	99	135	117
N(mm)	36	27	36	27	49	36	63	45	63	45





C·DADA CE CB RoHS KEMA KEUR www.cdada.net

RCBO DAB6LE-32/63

常规配电保护(IEC / EN 60898 – 1) For protection of general power distribution (IEC/EN 60898-1)								
极数 Poles of number	1P+N		2P		3P+N		4P	
电气性能 Electrical performance								
额定电流 Rated current In A	32A(小孔) 32A(Small hole)	63A(大孔) 63A(Big hole)	32A(小孔) 32A(Small hole)	63A(大孔) 63A(Big hole)	32A(小孔) 32A(Small hole)	63A(大孔) 63A(Big hole)	32A(小孔) 32A(Small hole)	63A(大孔) 63A(Big hole)
	2–32A	40–63A	2–32A	40–63A	2–32A	40–63A	2–32A	40–63A
脱扣类型 Release type	电子式 Electronic type							
功能 Functions	短路、漏电、过载、隔离保护 Protection against short circuit , leakage ,overload,isolation							
剩余电流类型 Type of residual current	AC and A							
额定频率 Rated frequency f Hz	50–60Hz							
额定工作电压 Rated working voltage Ue VAC	230				400			
额定剩余动作电流 Rated residual current motion I△n mA	30,100,300							
额定剩余不动作电流 Rated residual current no–motion I△no mA	5,15,25,50,300							
cosφ	0.5							
绝缘电压 Insulation voltage Ui	400V							
额定冲击耐受电压 Rated impulse withstand voltage Uimp	4KV							
瞬时脱扣型 Instantaneous tripping type	B/C/D							
额定分断能力 Rated short circuit Icn(kA)	5KA(2~40A),4KA(50~63A)							
使用寿命 Service life (O~C) 机械 Mechanical	10000							
电气 Electrical	4000							
连接和安装 Connection and installation								
防护等级 Protection degree	IP20							
电线 Wire mm²	1~25							
工作温度 Working temperature (with daily average≤35℃)	–5 ~ +40℃							
阻燃等级 Resistance to humidity and heat	等级2 Class 2							
海拔高度 Altitude above sea	≤2000							
相对湿度 Relative humidity	+20℃，≤90%；+40℃，≤50%							
污染等级 Pollution degree	2							
安装环境 Installation environment	避免明显的冲击和震动 Avoid obvious shock and vibration							
安装等级 Installation class	等级Ⅱ Class Ⅱ，等级Ⅲ Class Ⅲ							
可安装附件 Combination with accessories								
辅助触头 Auxiliary contact	–		–		–		–	
报警触头 Alarm contact	–		–		–		–	
辅连报触头 ALT+AUX	–		–		–		–	
分励脱扣器 Shunt release	–		–		–		–	
欠压脱扣器 Under voltage release	–		–		–		–	
过压脱扣 Over voltage release	–		–		–		–	
尺寸 Dimensions (mm) (WxHxL)  a	见上页 See previous page							
b								
c								

塑壳断路器 MCCB
塑壳断路器附件 MCCB accessory
小型断路器 MCB

DAB5-63 小型断路器 DAB5-63MCB Miniature Circuit Breaker

型号及含义
Type and specification

DA B 5 - 63 N/H

- N型 N type 4.5KA
- H型 H type 6KA
- 壳架等级额定电流 Casing frame class rated current
- 设计序号 Design serial number
- 小型断路器 MCB
- 公司代码 Company code

技术参数
Technical parameter

符合标准:	IEC60898,GB10963
额定电压(Ue):	230V/400V,50HZ
N型:	4.5KA(2-40A),3.5KA(50-63A)
H型:	6KA (2-40A),4.5KA(50-63A)
额定分断能力 Icn:	4.5/6KA
寿命:电气:	不少于8000次通断动作
机械:	不少于20000次通断动作

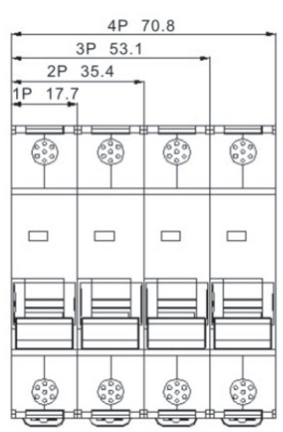
Conform to standard:	IEC60898,GB10963
Rated voltage(Ue):	230V/400V,50HZ
N type:	4.5KA(2-40A),3.5KA(50-63A)
H type:	6KA (2-40A),4.5KA(50-63A)
Rated breaking capacity Icn:	4.5/6KA
Life:Electrical:	not less of 8,000 times switching operation
Mechanical:	not less of 20.000 times switching operation

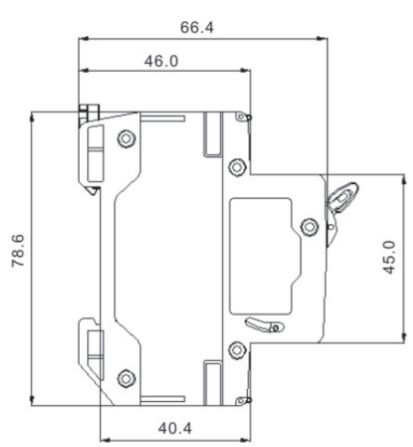
机械参数
Mechanical parameter

外壳长度:	45毫米
外壳高度:	80毫米
外壳宽度:	17.5毫米(单极)
安装方式:	采用IEC标准导轨35毫米
端子形式:	导线1-25mm² 母线厚度:0.8 - 2毫米

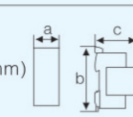
The length of exposed plane:	45mm
Enclosure height:	80mm
Enclosure width:	17.5mm per pole (single pole)
MoUnting manner:	Adopt conduct rail of 35mm of IEC standard
Terminaf shape:	Two-function terminalcan connectwith busbar and soft or hard conducting wire Conducting wire 1-25mm² Busbar thickness:0.8-2mm

安装尺寸
Mounting Size





MCB DAB5-63

常规配电保护(IEC / EN 60898 - 1) For protection of general power distribution (IEC/EN 60898-1)						
极数 Poles			1P	2P	3P	4P
电气性能 Electrical performance						
功能 Functions			短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control			
额定频率 Rated frequency f Hz			50~60Hz			
额定工作电压 Rated working voltage Ue V AC			230/400	400		
额定电流 Rated current In A			2,4,6,10,16,20,25,32,40,50,63			
额定绝缘电压 Rated insulated voltage Ui V			500			
冲击耐受电压 Impulse withstand voltage Uimp kV			4			
瞬时脱扣型 Instantaneous tripping type	DAB5-63N		B/C/D			
	DAB5-63H		B/C/D			
额定分断能力 Rated short circuit Icn(kA)	DAB5-63N		4.5KA(2-40A),3.5KA(50-63A)			
	DAB5-63H		6KA (2-40A),4.5KA(50-63A)			
脱扣类型 Release type			热磁式 Thermal magnetic type			
使用寿命 Service life (O~C)	机械 Mechanical	实际值 Actual value	20000			
		标准值 Standard value	4000			
	电气 Electrical	实际值 Actual value	8000			
		标准值 Standard value	4000			
连接和安装 Connection and installation						
防护等级 Protectiom degree			IP20			
电线 Wire mm²			1~35			
工作温度 Working temperature			-5 ~ +40℃			
阻燃等级 Resistance to humidity and heat			等级2 Class 2			
海拔高度 Altitude above sea			≤2000			
相对湿度 Relative humidity			+20℃，≤90%；+40℃，≤50%			
污染等级 Pollution degree			2			
安装环境 Installation environment			避免明显的冲击和震动 Avoid obvious shock and vibration			
安装等级 Installation class			等级Ⅱ Class Ⅱ，等级Ⅲ Class Ⅲ			
导轨 Mounting			DIN35导轨 DIN35 rail			
可安装附件 Combination with accessories						
辅助触头 Auxiliary contact			√			
报警触头 Alarm contact			√			
分励脱扣器 Shunt release			√			
欠压脱扣器 Under voltage release			√			
辅连报 Auxiliary contact+Alarm contact			√			
尺寸 Dimensions(mm) (WxHxL)		a	17.5	35	52.5	70
		b	80.2	80.2	80.2	80.2
		c	76.5	76.5	76.5	76.5

DAB5LE-63漏电断路器DAB5LE-63RCBO Miniature Residual Current Circuit Breaker

型号及含义
Type and specification

DA B 5 LE－63

- 63: 壳架等级额定电流 Casing frame class rated current
- LE: L.电子式 L.Electronic type
- 5: 设计序号 Design serial number
- B: 漏电断路器 RCBO
- DA: 公司代码 Company code

技术参数
Technical parameter

符合标准: IEC61009,GB16917
额定电压(Ue): 230V/400V,50HZ
额定分断能力 Icn: 6KA
寿命:电气: 不少于8000次通断动作
机械: 不少于20000次通断动作

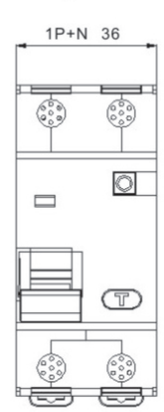
Conform to standard: IEC61009,GB16917
Rated voltage(Ue): 230V/400V,50HZ
Rated breaking capacity Icn: 6KA
Life:Electrical: not less of 8,000 times switching operation
Mechanical: not less of 20.000 times switching operation

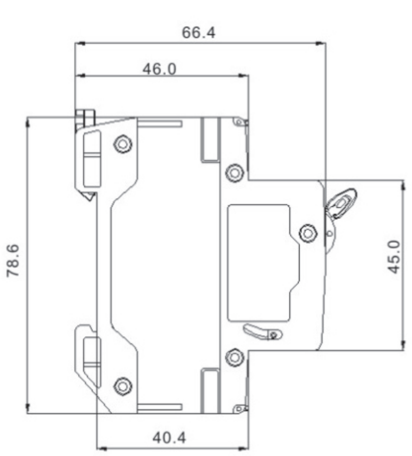
机械参数
Mechanical parameter

外壳长度: 45毫米
外壳高度: 80毫米
外壳宽度: 17.5毫米(单极)
安装方式: 采用IEC标准导轨35毫米
端子形式: 两用端子可以同时接母线排和软硬导线
导线规格：1-25mm² 母线排厚度：0.8-2mm

The length of exposed plane: 45mm
Enclosure height: 80mm
Enclosure width: 17.5mm per pole (single pole)
MoUnting manner: Adopt conduct rail of 35mm of IEC standard
Terminaf shape: Two-function terminalcan connectwith busbar and soft or hard conducting wire
Conducting wire 1-25mm²
Busbar thickness:0.8-2mm

安装尺寸
Mounting Size





RCBO DAB5LE-63

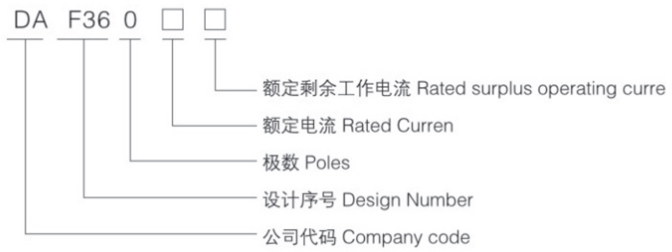
常规配电保护(IEC / EN 61009－1)
For protection of general power distribution (IEC/EN 61009-1)

极数 Poles		1P+N
电气性能 Electrical performance		
功能 Functions		短路保护，过载保护，隔离，控制 short circuit protection,overload protection,isolationg,control
额定频率 Rated frequency	f Hz	50~60Hz
额定工作电压 Rated working voltage	Ue V AC	230/400
额定电流 Rated current	In A	2,4,6,10,16,20,25,32,40,50,63
额定剩余动作电流 Rated residual current motion	I△n mA	10,30,100
额定绝缘电压 Rated insulated voltage	Ui V	500
冲击耐受电压 Impulse withstand voltage Uimp	kV	4
瞬时脱扣型 Instantaneous tripping type	DAB5LE-63	B/C/D
额定分断能力 Rated short circuit Icn(kA)	DAB5LE-63	6（50-63A 4.5KA）
脱扣类型 Release type		热磁式 Thermal magnetic type
使用寿命 Service life (O~C) 机械 Mechanical	实际值 Actual value	20000
	标准值 Standard value	4000
电气 Electrical	实际值 Actual value	8000
	标准值 Standard value	4000
连接和安装 Connection and installation		
防护等级 Protectiom degree		IP20
电线 Wire	mm²	1~35
工作温度 Working temperature		-5 ~ +40℃
阻燃等级 Resistance to humidity and heat		等级2 Class 2
海拔高度 Altitude above sea		≤2000
相对湿度 Relative humidity		+20℃，≤90%；+40℃，≤50%
污染等级 Pollution degree		2
安装环境 Installation environment		避免明显的冲击和震动 Avoid obvious shock and vibration
安装等级 Installation class		等级Ⅱ Class Ⅱ，等级Ⅲ Class Ⅲ
导轨 Mounting		DIN35导轨 DIN35 rail
可安装附件 Combination with accessories		
辅助触头 Auxiliary contact		√
报警触头 Alarm contact		√
分励脱扣器 Shunt release		√
欠压脱扣器 Under voltage release		√
辅连报 Auxiliary contact+Alarm contact		√

尺寸 Dimensions(mm) (WxHxL)					
	a	17.5	35	52.5	70
	b	80.2	80.2	80.2	80.2
	c	76.5	76.5	76.5	76.5

DABF360-RCCB漏电断路器 DABF360-RCCB Residual Current Circuit Breaker

型号及含义
Type and specification



正常使用条件
Normal conditions of use

1.周围空气温度：5℃-40℃，24小时平均不超过35℃。
2.海拔：安装地点海拔高度不超过2000米
3.大气条件：安装地点的空气相对湿度在最高气温40℃时不超过50%，在最低温度不超过25℃时，相对湿度不超过90℃
4.安装类别：安装类别1,3级
5.安装污染等级：
6.安装方式：标准导轨安装
7.安装条件：安装场所的外磁场任何方向均不应超过地磁场的5倍，RCCB应垂直安装，手柄向上为电源接通位置，安装处应无显著的冲击和振动。
8.接线方式：用螺钉紧压接线或采用汇流排接线。

1,ambient air temperature:ambient air temperature of −5 ℃~40℃, 24−houraverage no more than 35.
2.Altitude:Installationsite altitude does not exceed 2,000meters . 3 , the atmospheric conditions: air relative humidity installation site at the highest temperature of 40℃ without more than 50%, were the lowest tempera−ture notexceed 25℃,relative temperature Not exceeding 90.
4,installation Category:Installation category` Ⅰ, Ⅲ grade.
5,the installation of pollution levels:level of contamination is.
6,mounting:standard rail mounting.
7,the installation conditions:the external magnetic field installation site shall not exceed in any direction to the magnetic field 5 times, RCCB−like should be installed vertically,the handle upfor the power position,Installation should be no significant impact and vibration.
8,Connection:screw connection or pressed connection by bus.

结构及工作原理
Structure and working principle

1.结构

DAF360剩余电流动作断路器主要由零序电流互感器、操作机构、触头系统、灭弧装置、绝缘外壳等组成。

2.工作原理

电路正常工作时，剩余电流动作断路器处于闭合位置，当线路发生漏电或触电故障时，零序电流互感器输出的信号推动脱扣器动作，并在0.1秒内切断电源，从而实现漏电保护功能。

1,the structure.

Residual current operated circuit breakers DAF360 mainly by the zero sequence current transformer,de−Deduction, operating agencies, contact system, elimnate isolated devices,insulation shell and other components.

2,the working principle.

Circuit normal operation,the residual current operated circuit breaker in the closed position, when line fault causes a short circuit or electric shock,the zero sequence current transformer output signal action to promote the release,and 0.1 seconds off the power,in order to achieve leakage protection function.

适用范围
Applicable scope

DAF360剩余电流动作断路器是根据最新的IEC61008−1标准设计的，同时它还符合EN50022有关模数化开关的标准，即开关都可以卡装在“帽形”对称结构的标准导轨上。

DAF360剩余电流动作断路器在检测到对地故障电流(漏电电流)后，与漏电脱扣电流值进行比较，当故障电流值大于漏电脱扣电流值时断路器将回路分断。

断路器和接地系统一起可以对人体的间接接触带电体进行保护，当额定漏电电流大于或等于30mA时，也可以作为直接接触带电体的一种附加保护。

除了有直接或间接接触带电体保护的功能，该断路器也可以在绝缘遭到破坏时，对可能引起的火灾危险进行保护。

DAF360 residual current operated cicuit breaker is based on the latest IEC61008−1 Standard design, but it also comply with the relevant EN50022 standard modular switch,That can switch cards installed in the “cap” on the symmetrical structure of the standard rail.

DAF360 residual current operated circuit breaker in the detected ground fault current (Leakage current) after the release and leakage current comparison , when the fault current is greater When the leakage current circuit breaker will trip trip circuitbreaking.

Circuit breakers and grounding system with indirect exposure to the humanbody can be charged body protection,when rated current is greater than or equal to 30mAleakage,they can be used as a direct Contact with live parts of an additional protection.

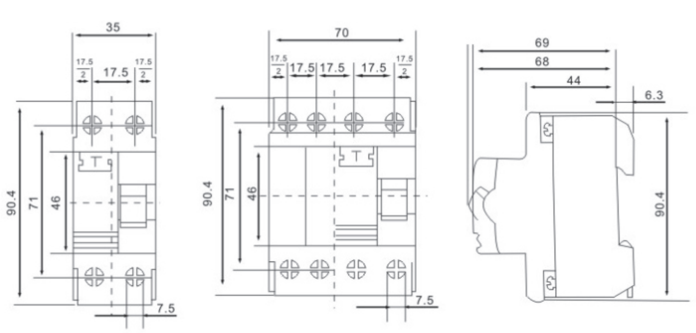
In addition to direct or indirect contact with live parts protected function, the circuit breaker can also be to the destruction of the insulation when the fire hazard that may cause protection.

适用范围
Applicable scope

DAF360型不带过电流保护的剩余电流动作断路器(RCCB)符合GB16916.1，IEC61008，BS4293等标准，适用于工矿企业，商业和家庭交流50−60赫兹，单相240（220V），三相415V（380V），作为人身触电和设备漏电保护装置，可以在正常情况下作为线路的不频繁转换之用。

DAF360 type over−current protection with no residual current operated circuit breakers(RCCB) Meet GB16916.1, IEC61008, BS4293 and other standards for mining enterprises Industry, business and family communication 50−60Hz, single phase 240(220V), three−phase415V(380V),as a personal electric shock and leakage protection device used, you can in normal circumstances the following lines are not as frequent conversion purposes.

安装尺寸
Mounting Size



RCCB DAF360

常规配电保护(IEC / EN 61008－1) For protection of general power distribution (IEC/EN 61008-1)			
极数 Poles of number		2P	4P
电气性能 Electrical performance			
额定电流 Rated current In A		16−63A	
脱扣类型 Release type		电子式 Electronic type	电磁式 Magnetic type
功能 Functions		短路、漏电、隔离保护 Protection against short circuit , leakage ,isolation	
剩余电流类型 Type of residual current		AC and A	
额定频率 Rated frequency f Hz		50−60Hz	
额定工作电压 Rated working voltage Ue V AC		230/400	400
额定剩余电流 Rated residual current I△n mA		10,30,100,300	
绝缘电压 Insulation voltage Ui		500V	
额定冲击耐受电压 Rated impulse withstand voltage Uimp		6KV	
额定分断能力 Rated short circuit Icn(kA)		6	
使用寿命 Service life(O~C)	机械Mechanical	10000	
	电气Electrical	4000	
连接和安装 Connection and installation			
防护等级 Protection degree		IP40	
电线 Wire mm²		1~25	
工作温度 Working temperature (with daily average≤35℃)		−5 ~ +40℃	
阻燃等级 Resistance to humidity and heat		等级2 Class 2	
海拔高度 Altitude above sea		≤2000	
相对湿度 Relative humidity		+20℃ , ≤90% ;+40℃ , ≤50%	
污染等级 Pollution degree		2	
安装环境 Installation environment		避免明显的冲击和震动 Avoid obvious shock and vibration	
安装等级 Installation class		等级 Ⅱ Class Ⅱ ，等级 Ⅲ Class Ⅲ	
可安装附件 Combination with accessories			
辅助触头 Auxiliary contact		−	−
报警触头 Alarm contact		−	−
辅连报触头 ALT+AUX		−	−
分励脱扣器 Shunt release		−	−
欠压脱扣器 Under voltage release		−	−
过压脱扣 Over voltage release		−	−
尺寸 Dimensions(mm) (WxHxL)	a	35	70
	b	90.4	90.4
	c	69	69