

# Earth Leakage Circuit Breakers

## List of products

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

### ■ G-TWIN Standard Series (IEC/EN/GB/JIS conformed)

#### Line protection

##### • 2-pole

AC230V (Icu)	EW32	EW50	EW100
2.5kA	AAG-2P	AAG-2P	
10kA			EAG-2P

##### • 3-pole

AC415V (Icu)	EW32	EW50	EW63	EW100	EW125	EW160	EW250	EW400	EW630	EW800
1.5kA	EAG-3P									
2.5kA	SAG-3P	EAG-3P	EAG-3P							
7.5kA		SAG-3P	SAG-3P							
10kA		RAG-3P	RAG-3P	EAG-3P						
18kA						EAG-3P	EAG-3P			
30kA					JAG-3P	JAG-3P	JAG-3P	EAG-3P		
36kA					SAG-3P	SAG-3P	SAG-3P	SAG-3P	EAG-3P	EAG-3P
50kA					RAG-3P	RAG-3P	RAG-3P	RAG-3P	RAG-3P	RAG-3P
70kA								HAG-3P	HAG-3P	HAG-3P

##### • 4-pole

AC415V (Icu)	EW125	EW160	EW250	EW400
30kA	JAG-4P	JAG-4P	JAG-4P	
36kA	SAG-4P	SAG-4P	SAG-4P	
50kA	RAG-4P	RAG-4P	RAG-4P	RAG-4P
70kA				HAG-4P

### Motor protection

##### • 3-pole

AC415V (Icu)	EW32	EW50	EW63	EW100	EW125	EW250
1.5kA	EAM-3P					
2.5kA	SAM-3P	EAM-3P	EAM-3P			
7.5kA		SAM-3P	SAM-3P			
10kA				EAM-3P		
18kA						EAM-3P
30kA					JAM-3P	JAM-3P
50kA					RAM-3P	RAM-3P

### ■ G-TWIN Global Series (IEC/EN/GB/JIS/UL/CSA conformed)

#### Line protection

##### • 2-pole

AC230V (Icu)	EW100
10kA	EAGU-2P

##### • 3-pole

AC415V (Icu)	EW50	EW100	EW125	EW250	EW400	EW630
10kA	RAGU-3P	EAGU-3P				
30kA			JAGU-3P	JAGU-3P		
36kA					SAGU-3P	
50kA			RAGU-3P	RAGU-3P	RAGU-3P	RAGU-3P
70kA					HAGU-3P	

### ■ HG Series

#### Line protection (3-pole)

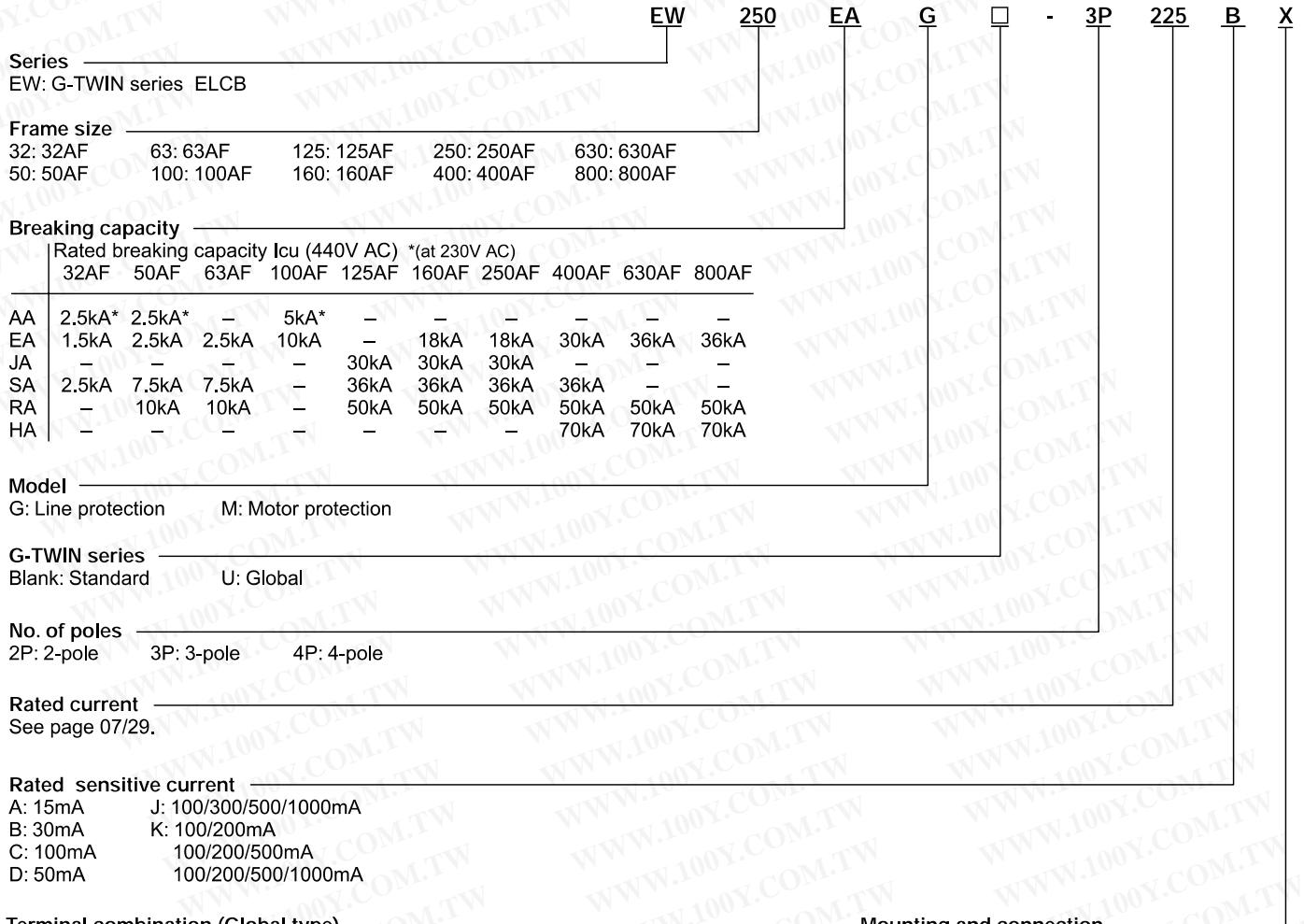
AC415V (Icu)	50AF	100AF	225AF
65kA	HG53B	HG103B	HG203B

# Earth Leakage Circuit Breakers

## G-TWIN series

### Type number nomenclature

#### ■ Type number nomenclature



#### Terminal combination (Global type)

Code	Terminal position		Applicable breaker type		
	Line	Load	EW50, 100	EW125, 250	EW400, 630
Blank	Screw	Screw	●	●	—
Blank	Flat terminal	Flat terminal	—	—	●
SB	Block terminal	Block terminal	—	●	●
SF	Flat terminal	Flat terminal	●	●	—
S3	Screw	Flat terminal	●	●	—
S4	Flat terminal	Screw	●	●	—
S5	Screw	Block terminal	—	●	—
S6	Block terminal	Screw	—	●	—
S7	Flat terminal	Block terminal	—	●	●
S8	Block terminal	Flat terminal	—	●	●

#### Mounting and connection

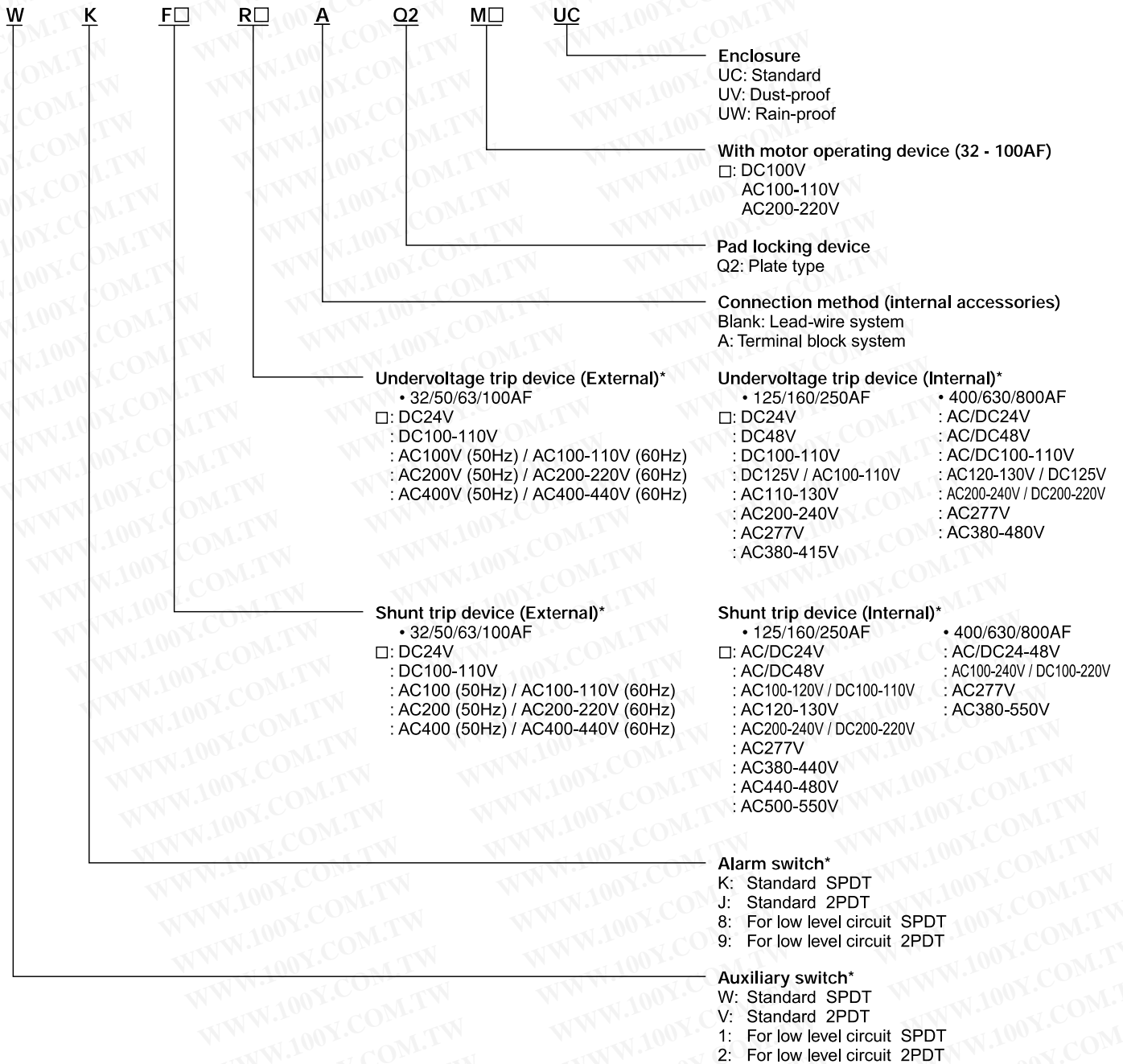
##### • Standard type

- Blank: Front mounting, front connection
- X: Front mounting, rear connection
- E: Flush mounting, rear connection
- Y: Flush mounting, top & bottom connection
- P: Plug-in mounting

# Earth Leakage Circuit Breakers

## G-TWIN series

### Type number nomenclature



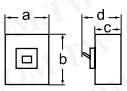
\* For the available configuration of accessory, see page 07/62.

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		32A						
Type		EW32AAG		EW32EAG	EW32SAG			
Pole		2	3	3	3			
Rated current	Reference amb. temp. (40°C)	In(A)	5, 10, 15, 20, 30, 32	5, 10, 15, 20, 30, 32	5, 10, 15, 20, 30, 32			
Rated impulse withstand voltage		Uimp(kV)	2.5	4	4			
Isolation compliant			●	●	●			
Rated voltage Ue (AC V)			100-230	100-230	100-230-440			
Rated sensitive current (mA)			15, 30, 100	15, 30, 100	15, 30, 100			
Tripping time (s)			0.1 or less	0.1 or less	0.1 or less			
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	-	-	1.5/1	2.5/2	
			415V	-	-	1.5/1	2.5/2	
			400V	-	-	1.5/1	2.5/2	
		GB14048.2	AC	380V	-	-	1.5/1	2.5/2
				230V	2.5/2	2.5/2	2.5/2	5/3
				200V	2.5/2	2.5/2	2.5/2	5/3
				100V	2.5/2	5/3	5/3	5/3
	Conforming to standards	CE Marking		● (TÜV)	● (TÜV)	● (TÜV)	● (TÜV)	
CCC certificate		●	●	●	●			
Electrical Appliance and Material Safety Law *1		●	●	●	●			
Dimensions (mm)			a	50	75	75	75	
			b	100		100	100	
			c	60		60	60	
			d	84		84	84	
Mass (kg)			0.4	0.5	0.5	0.6		
Tripping device		Hydraulic-magnetic						
Front mounting, front connection	No-mark	○	○	○	○			
Front mounting, rear connection	X	○	○	○	○			
Flush mounting, front connection	E	○	○	○	○			
Flush mounting, top & bottom connection	Y	○	○	○	○			
Plug-in mounting	P	○	○	○	○			
IEC 35mm wide rail mounting	No-mark	○	○	○	○			
Internal accessories		Page 07/57						
Alarm switch	K	○	○	○	○			
Auxiliary switch	W	○	○	○	○			
Undervoltage trip	R	○	○	○	○			
Shunt trip	F	○	○	○	○			
Earth alarm switch	L	-	-	-	-			
External accessories		Page 07/60						
Handle padlocking device	Cap type	QN	○	○	○			
Handle padlocking device	Plate type	Q2	▲	▲	▲			
Operating handle	N-type	N	○	○	○			
Operating handle	V-type	V	○	○	○			
Terminal cover	Short	BT□S	○	○	○			
Terminal cover	Long	BT□L	○	○	○			
Insulation barrier	Interphase	BP	○	○	○			
	Earth	BL	○	○	○			
Handle locking cover		L1	○	○	○			
Flat terminal		SS	○	○	○			
Block terminal		SL	-	-	-			

●: Approved ○: Available -/: Not available ▲: Factory-mounted accessory  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan

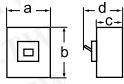
Rated voltage (V)	Operational voltage range (V)
100-230	80-264
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		50A					
Type		EW50AAG		EW50EAG	EW50SAG	EW50RAG	
Pole		2	3	3	3	3	
Rated current	Reference amb. temp. (40°C)	In(A)		5, 10, 15, 20, 30, 32, 40, 50	5, 10, 15, 20, 30, 32, 40, 50	5, 10, 15, 20, 30, 32, 40, 50	10, 15, 20, 30, 32, 40, 50
Rated impulse withstand voltage		Uimp(kV)		2.5	4	6	6
Isolation compliant		●		●	●	●	
Rated voltage Ue (AC V)		100-230		100-230-440	100-230-440	100-230-440	
Rated sensitive current (mA)		15, 30, 100		15, 30, 100/200 changeover	30, 100/200/500 changeover	30, 100/200/500 changeover	
Tripping time (s)		0.1 or less		0.1 or less	0.1 or less	0.1 or less	
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	-	2.5/2	7.5/4	10/5
			415V	-	2.5/2	7.5/4	10/5
			400V	-	2.5/2	7.5/4	10/5
		380V	-	2.5/2	7.5/4	10/5	
		230V	2.5/2	5/3	10/5	25/13	
		200V	2.5/2	5/3	10/5	25/13	
	GB14048.2	AC	400V	-	2.5/2	7.5/4	10/5
			230V	2.5/2	5/3	10/5	25/13
Conforming to standards	CE Marking		● (TÜV)	● (TÜV)	● (TÜV)	● (TÜV)	
	CCC certificate		●	●	●	●	
	Electrical Appliance and Material Safety Law *1		●	●	●	●	
Dimensions (mm)		a	50	75	75	75	
		b	100		100	100	
		c	60		60	60	
		d	84		84	84	
Mass (kg)			0.4	0.6	0.6	0.6	
Tripping device		Hydraulic-magnetic					
Front mounting, front connection	No-mark	○	○	○	○		
Front mounting, rear connection	X	○	○	○	○		
Flush mounting, front connection	E	○	○	○	○		
Flush mounting, top & bottom connection	Y	○	○	○	○		
Plug-in mounting	P	○	○	○	○		
IEC 35mm wide rail mounting	No-mark	○	○	○	○		
Internal accessories		Page 07/57					
Alarm switch	K	○	○	○	○		
Auxiliary switch	W	○	○	○	○		
Undervoltage trip	R	○	○	○	○		
Shunt trip	F	○	○	○	○		
Earth alarm switch	L	-	-	-	-		
External accessories		Page 07/60					
Handle padlocking device	Cap type	QN	○	○	○		
Handle padlocking device	Plate type	Q2	▲	▲	▲		
Operating handle	N-type	N	○	○	○		
Operating handle	V-type	V	○	○	○		
Terminal cover	Short	BT□S	○	○	○		
Terminal cover	Long	BT□L	○	○	○		
Insulation barrier	Interphase	BP	○	○	○		
	Earth	BL	○	○	○		
Handle locking cover		L1	○	○	○		
Flat terminal		SS	○	○	○		
Block terminal		SL	-	-	-		

● : Approved ○ : Available - : Not available ▲ : Factory-mounted accessory  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan

Rated voltage (V)	Operational voltage range (V)
100-230	80-264
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		63A				
Type		EW63EAG	EW63SAG	EW63RAG		
Pole		3	3	3		
Rated current	Reference amb. temp. (40°C)	In(A)	60, 63	60, 63		
Rated impulse withstand voltage		Uimp(kV)	6	6		
Isolation compliant			●	●		
Rated voltage Ue (AC V)			100-230-440	100-230-440		
Rated sensitive current (mA)			15, 30, 100/200 changeover	30, 100/200/500 changeover		
Tripping time (s)			0.1 or less	0.1 or less		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	2.5/2	7.5/4	10/5
			415V	2.5/2	7.5/4	10/5
			400V	2.5/2	7.5/4	10/5
			380V	2.5/2	7.5/4	10/5
			230V	5/3	10/5	25/13
			200V	5/3	10/5	25/13
			100V	5/3	10/5	25/13
	GB14048.2	AC	400V	2.5/2	7.5/4	10/5
			230V	5/3	10/5	25/13
Conforming to standards	CE Marking		● (TÜV)	● (TÜV)	● (TÜV)	
	CCC certificate		●	●	●	
	Electrical Appliance and Material Safety Law *1		●	●	●	
Dimensions (mm)			a	75	75	75
			b	100	100	100
			c	60	60	60
			d	84	84	84
Mass (kg)			0.6	0.6	0.6	
Tripping device			Hydraulic-magnetic			
Front mounting, front connection		No-mark	○	○	○	
Front mounting, rear connection		X	○	○	○	
Flush mounting, front connection		E	○	○	○	
Flush mounting, top & bottom connection		Y	○	○	○	
Plug-in mounting		P	○	○	○	
IEC 35mm wide rail mounting		No-mark	○	○	○	
Internal accessories		Page 07/57				
Alarm switch		K	○	○	○	
Auxiliary switch		W	○	○	○	
Undervoltage trip		R	○	○	○	
Shunt trip		F	○	○	○	
Earth alarm switch		L	-	-	-	
External accessories		Page 07/60				
Handle padlocking device Cap type		QN	○	○	○	
Handle padlocking device Plate type		Q2	▲	▲	▲	
Operating handle N-type		N	○	○	○	
Operating handle V-type		V	○	○	○	
Terminal cover Short		BT□S	○	○	○	
Terminal cover Long		BT□L	○	○	○	
Insulation barrier Interphase		BP	○	○	○	
Earth		BL	○	○	○	
Handle locking cover		L1	○	○	○	
Flat terminal		SS	○	○	○	
Block terminal		SL	-	-	-	

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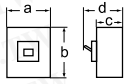
Rated voltage (V)	Operational voltage range (V)
100-230	80-264
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		100A			
Type		EW100AAG	EW100EAG		
Pole		3	2	3	
Rated current	Reference amb. temp. (40°C)	In(A)	60, 63, 75, 100	50, 60, 63, 75, 100	
Rated impulse withstand voltage		Uimp(kV)	4	6	
Isolation compliant			●	●	
Rated voltage Ue (AC V)			100-230	100-230-400	
Rated sensitive current (mA)			30, 100/200/500 changeover	30, 100/200 changeover	
Tripping time (s)			0.1 or less	0.1 or less	
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	–	10/5
			415V	–	10/5
			400V	–	10/5
			380V	–	10/5
			230V	5/3	10/5
			200V	5/3	10/5
			100V	5/3	10/5
	GB14048.2	AC	400V	–	10/5
		230V	5/3	25/13	
Conforming to standards	CE Marking		● (TÜV)	● (TÜV)	● (TÜV)
	CCC certificate		●	●	●
	Electrical Appliance and Material Safety Law *1		●	●	●
Dimensions (mm)		a	75	75	75
		b	100	100	100
		c	60	60	60
		d	84	84	84
Mass (kg)			0.6	0.6	0.6
Tripping device		Thermal -magnetic			
Front mounting, front connection	No-mark	○	○	○	
Front mounting, rear connection	X	○	○	○	
Flush mounting, front connection	E	○	○	○	
Flush mounting, top & bottom connection	Y	○	○	○	
Plug-in mounting	P	○	○	○	
IEC 35mm wide rail mounting	No-mark	○	○	○	
Internal accessories		Page 07/57			
Alarm switch	K	○	○	○	
Auxiliary switch	W	○	○	○	
Undervoltage trip	R	○	○	○	
Shunt trip	F	○	○	○	
Earth alarm switch	L	–	–	–	
External accessories		Page 07/60			
Handle padlocking device	Cap type	QN	○	○	
Handle padlocking device	Plate type	Q2	▲	▲	
Operating handle	N-type	N	○	○	
Operating handle	V-type	V	○	○	
Terminal cover	Short	BTQS	○	○	
Terminal cover	Long	BTQL	○	○	
Insulation barrier	Interphase	BP	○	○	
	Earth	BL	○	○	
Handle locking cover		L1	○	○	
Flat terminal		SS	○	○	
Block terminal		SL	–	–	

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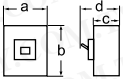
Rated voltage (V)	Operational voltage range (V)
100–230	80–264
100–230–440	80–484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		125A						
Type		EW125JAG		EW125SAG		EW125RAG		
Pole		3	4	3	4	3	4	
Rated current Reference amb. temp. (40°C)		In(A) 15, 20, 30, 40, 50, 60, 75, 100, 125						
Rated impulse withstand voltage		Uimp(kV) 6		6		6		
Isolation compliant		●		●		●		
Rated voltage Ue (AC V)		100-230-440						
Type of earth leakage trip action		AC type						
Instantaneous trip type	Rated sensitive current (mA)	30						
	Tripping time (s)	0.1 or less						
Instantaneous/time-delay trip type	Rated sensitive current (mA)	100/300/500/1000 changeover						
	Tripping time (s)	0.1/0.4/1/2 changeover						
	Inertia non-tripping time (s) (2IΔn)	0/0.2/0.5/1						
Rated breaking capacity Icu/Ics (kA)	IEC60947-2 EN60947-2 JISC8201-2-2	AC	440V	30/15	36/18	50/25		
			415V	30/15	36/18	50/25		
			400V	30/15	36/18	50/25		
			380V	30/15	36/18	50/25		
			230V	50/25	85/43	100/50		
			200V	50/25	85/43	100/50		
	GB14048.2	AC	400V	30/15	36/18	50/25		
			230V	50/25	85/43	100/50		
Conforming to standards	CE Marking		● (TÜV)		● (TÜV)		● (TÜV)	
	CCC certificate		●		●		●	
	Electrical Appliance and Material Safety Law*1		● (except for 125A)		● (except for 125A)		● (except for 125A)	
Dimensions (mm)		a	90	120	90	120	90	120
		b	155		155		155	
		c	68		68		68	
		d	95		95		95	
		Mass (kg)		1.3	1.7	1.2	1.6	1.3
Tripping device		Thermal-magnetic						
Front mounting, front connection	No-mark	○	○	○	○	○	○	
Front mounting, rear connection	X	○	○	○	○	○	○	
Flush mounting, front connection	E	○	○	○	○	○	○	
Plug-in mounting	P	○	-	○	-	○	-	
Internal accessories		Page 07/58						
Alarm switch	K	○	○	○	○	○	○	
Auxiliary switch	W	○	○	○	○	○	○	
Undervoltage trip	R	○	○	○	○	○	○	
Shunt trip	F	○	○	○	○	○	○	
Earth alarm switch	L	○	○	○	○	○	○	
External accessories		Page 07/60						
Handle padlocking device	Cap type	Q1	○	○	○	○	○	
Handle padlocking device	Plate type	Q2	○	○	○	○	○	
Operating handle	N-type	N	○	○	○	○	○	
Operating handle	V-type	V	○	○	○	○	○	
Terminal cover	Short	BT□S	○	○	○	○	○	
Terminal cover	Long	BT□L	○	○	○	○	○	
Insulation barrier	Interphase	BP	○	○	○	○	○	
Handle locking cover		L1	○	○	○	○	○	
Flat terminal		SS	○	○	○	○	○	
Block terminal		SL	○	○	○	○	○	

●: Approved ○: Available -: Not available ▲: Factory-mounted accessory  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan

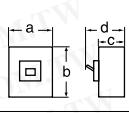
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		160A										
Type		EW160EAG		EW160JAG		EW160SAG		EW160RAG				
Pole		3		3		4		3		4		
Rated current Reference amb. temp. (40°C)		In(A)		125, 150, 160								
Rated impulse withstand voltage		Uimp(kV)		6		6		6		6		
Isolation compliant		●		●		●		●		●		
Rated voltage Ue (AC V)		100-230-440										
Type of earth leakage trip action		AC type										
Instantaneous trip type	Rated sensitive current (mA)		30									
	Tripping time (s)		0.1 or less									
Instantaneous/time-delay trip type	Rated sensitive current (mA)		100/300/500/1000 changeover									
	Tripping time (s)		0.1/0.4/1/2 changeover									
	Inertia non-tripping time (s) (2IΔn)		0/0.2/0.5/1									
Rated breaking capacity Icu/Ics (kA)	IEC60947-2 EN60947-2 JISC8201-2-2	AC	440V	18/9	30/15	36/18	50/25					
			415V	18/9	30/15	36/18	50/25					
			400V	18/9	30/15	36/18	50/25					
			380V	18/9	30/15	36/18	50/25					
			230V	36/18	50/25	85/43	100/50					
			200V	36/18	50/25	85/43	100/50					
	GB14048.2	AC	400V	18/9	30/15	36/18	50/25					
			230V	36/18	50/25	85/43	100/50					
Conforming to standards	CE Marking certified (TÜV)		● (TÜV)		● (TÜV)		● (TÜV)		● (TÜV)			
	CCC certificate		●		●		●		●			
Dimensions (mm)		a	105	105	140	105	140	105	140			
		b	165	165	165	165	165	165	165			
		c	68	68	68	68	68	68	68			
		d	95	95	95	95	95	95	95			
Mass (kg)	1.8		1.8		2.3		1.8		2.3			
Tripping device		Thermal-magnetic										
Front mounting, front connection	No-mark	○	○	○	○	○	○	○	○	○		
Front mounting, rear connection	X	○	○	○	○	○	○	○	○	○		
Flush mounting, front connection	E	○	○	○	○	○	○	○	○	○		
Plug-in mounting	P	○	○	-	○	-	○	-	○	-		
Internal accessories Page 07/58												
Alarm switch	K	○	○	○	○	○	○	○	○	○		
Auxiliary switch	W	○	○	○	○	○	○	○	○	○		
Undervoltage trip	R	○	○	○	○	○	○	○	○	○		
Shunt trip	F	○	○	○	○	○	○	○	○	○		
Earth alarm switch	L	○	○	○	○	○	○	○	○	○		
External accessories Page 07/60												
Handle padlocking device	Cap type Q1	○	○	○	○	○	○	○	○	○		
Handle padlocking device	Plate type Q2	○	○	○	○	○	○	○	○	○		
Operating handle	N-type N	○	○	○	○	○	○	○	○	○		
Operating handle	V-type V	○	○	○	○	○	○	○	○	○		
Terminal cover	Short BT□S	○	○	○	○	○	○	○	○	○		
Terminal cover	Long BT□L	○	○	○	○	○	○	○	○	○		
Insulation barrier	Interphase BP	○	○	○	○	○	○	○	○	○		
Handle locking cover	L1	○	○	○	○	○	○	○	○	○		
Flat terminal	SS	○	○	○	○	○	○	○	○	○		
Block terminal	SL	○	○	○	○	○	○	○	○	○		

● : Approved ○ : Available - : Not available ▲ : Factory-mounted accessory  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan

Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

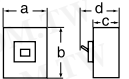


# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame		400A									
Type		EW400EAG		EW400SAG		EW400RAG		EW400HAG			
Pole		3		3		3		4			
Rated current Reference amb. temp. (40°C)		In(A)		250, 300, 350, 400							
Rated impulse withstand voltage		Uimp(kV)		6		6		6			
Isolation compliant		●		●		●		●			
Rated voltage Ue (AC V)		IEC		100-230-440							
Type of earth leakage trip action		AC type									
Instantaneous trip type	Rated sensitive current (mA)		30								
	Tripping time (s)		0.1 or less								
Instantaneous/time-delay trip type	Rated sensitive current (mA)		100/300/500/1000 changeover								
	Tripping time (s)		0.1/0.4/1/2 changeover								
	Inertia non-tripping time (s) (2IΔn)		0/0.2/0.5/1								
Rated breaking capacity Icu/Ics (kA)	IEC60947-2 EN60947-2 JISC8201-2-2	AC	440V	30/15	36/18	50/25	70/35				
			415V	30/15	36/18	50/25	70/35				
			400V	30/15	36/18	50/25	70/35				
		380V	30/15	36/18	50/25	70/35					
		230V	50/25	85/43	100/50	125/63					
		200V	50/25	85/43	100/50	125/63					
	GB14048.2	AC	400V	30/15	36/18	50/25	70/35				
			230V	50/25	85/43	100/50	125/63				
					30/15	36/18	50/25	70/35			
					50/25	85/43	100/50	125/63			
Conforming to standards	CE Marking		● (TÜV)		● (TÜV)		● (TÜV)		● (TÜV)		
	CCC certificate		●		●		●		●		
Dimensions (mm)		a	140	140	140	185	140	185			
		b	257	257	257		257				
		c	103	103	103						
		d	146	146	146						
		Mass (kg)			5.8	5.8	5.8	7.8	5.8	7.8	
Tripping device		Thermal-magnetic									
Front mounting, front connection		No-mark	○	○	○	○	○	○	○	○	
Front mounting, rear connection		X	○	○	○	○	○	○	○	○	
Flush mounting, front connection		E	○	○	○	○	○	○	○	○	
Plug-in mounting		P	○	○	○	-	○	-	○	-	
Internal accessories		Page 07/59									
Alarm switch		K	○	○	○	○	○	○	○	○	
Auxiliary switch		W	○	○	○	○	○	○	○	○	
Undervoltage trip		R	○	○	○	○	○	○	○	○	
Shunt trip		F	○	○	○	○	○	○	○	○	
Earth alarm switch		L	▲	▲	▲	▲	▲	▲	▲	▲	
External accessories		Page 07/60									
Handle padlocking device Cap type		QN	○	○	○	○	○	○	○	○	
Handle padlocking device Plate type		Q2	○	○	○	○	○	○	○	○	
Operating handle N-type		N	○	○	○	○	○	○	○	○	
Operating handle V-type		V	○	○	○	○	○	○	○	○	
Terminal cover Short		BTLS	○	○	○	○	○	○	○	○	
Terminal cover Long		BTLL	○	○	○	○	○	○	○	○	
Insulation barrier Interphase		BP	○	○	○	○	○	○	○	○	
Handle locking cover		L1	○	○	○	○	○	○	○	○	
Flat terminal		SS	○*2	○*2	○*2	○*2	○*2	○*2	○*2	○*2	
Block terminal		SL	○	○	○	○	○	○	○	○	

● : Approved ○ : Available - : Not available ▲ : Factory-mounted accessory  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan  
 \*2 Standard provided

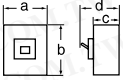
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series

Ampere frame			630A			800A			
Type			EW630EAG	EW630RAG	EW630HAG	EW800EAG	EW800RAG	EW800HAG	
Pole			3	3	3	3	3	3	
Rated current	Reference amb. temp. (40°C)	In(A)	500, 600, 630			700, 800			
Rated impulse withstand voltage			Uimp(kV)	6	6	6	6	6	
Isolation compliant			●	●	●	●	●	●	
Rated voltage Ue (AC V)			100-230-440						
Type of earth leakage trip action			AC type						
Instantaneous/time-delay trip type	Rated sensitive current (mA)		100/300/500/1000 changeover						
	Tripping time (s)		0.1/0.4/1/2 changeover						
	Inertia non-tripping time (s) (2IΔn)		0/0.2/0.5/1						
Rated breaking capacity Icu/Ics (kA)	IEC60947-2 EN60947-2 JISC8201-2-2	AC	440V	36/18	50/25	70/35	36/18	50/25	70/35
			415V	36/18	50/25	70/35	36/18	50/25	70/35
			400V	36/18	50/25	70/35	36/18	50/25	70/35
			380V	36/18	50/25	70/35	36/18	50/25	70/35
			230V	50/25	100/50	125/63	50/25	100/50	125/63
			200V	50/25	100/50	125/63	50/25	100/50	125/63
	GB14048.2	AC	400V	36/18	50/25	70/35	36/18	50/25	70/35
			230V	50/25	100/50	125/63	50/25	100/50	125/63
	Conforming to standards	CE Marking		● (TÜV)	● (TÜV)	● (TÜV)	● (TÜV)	● (TÜV)	● (TÜV)
		CCC certificate		●	●	●	●	●	●
Dimensions (mm) 			a	210	210	210	210	210	
			b	275	275	275	275	275	275
			c	103	103	103	103	103	103
			d	146	146	146	146	146	146
Mass (kg)			9.1	9.1	9.1	9.6	9.6	9.6	
Tripping device			Thermal-magnetic						
Front mounting, front connection			No-mark	○	○	○	○	○	
Front mounting, rear connection			X	○	○	○	○	○	
Flush mounting, front connection			E	○	○	○	○	○	
Plug-in mounting			P	○	○	○	○	○	
Internal accessories			Page 07/59						
Alarm switch			K	○	○	○	○	○	
Auxiliary switch			W	○	○	○	○	○	
Undervoltage trip			R	○	○	○	○	○	
Shunt trip			F	○	○	○	○	○	
Earth alarm switch			L	▲	▲	▲	▲	▲	
External accessories			Page 07/60						
Handle padlocking device Cap type			QN	○	○	○	○	○	
Handle padlocking device Plate type			Q2	○	○	○	○	○	
Operating handle N-type			N	○	○	○	○	○	
Operating handle V-type			V	○	○	○	○	○	
Terminal cover Short			BTCS	○	○	○	○	○	
Terminal cover Long			BTCL	○	○	○	○	○	
Insulation barrier Interphase			BP	○	○	○	○	○	
Handle locking cover			L1	○	○	○	○	○	
Flat terminal			SS	○*2	○*2	○*2	○*2	○*2	
Block terminal			SL	○	○	○	○	○	

●: Approved ○: Available -: Not available ▲: Factory-mounted accessory  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan  
 \*2 Standard provided

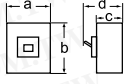
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Global Series

Ampere frame		50A		100A		
Type		EW50RAGU		EW100EAGU		
Pole		3		2		
Rated current Reference amb. temp. (40°C)		In(A)	3, 5, 10, 15, 20, 30, 32, 40, 50		60, 63, 70, 75, 80, 90, 100	
Rated impulse withstand voltage		Uimp(kV)	6		4	
Isolation compliant		●		●		
Rated voltage Ue (AC V)		IEC	100-230-440		100-230	
		UL	240		240	
Rated sensitive current (mA)		30, 50, 100/200/500 changeover		30, 100/200 changeover		
Tripping time (s)		0.1 or less		0.1 or less		
Rated breaking capacity	IEC 60947-2 EN 60947-2 JIS C 8201-2-2 Icu/Ics (kA)	AC	440V	10/5	7.5/4	10/5
			415V	10/5	7.5/4	10/5
			400V	10/5	7.5/4	10/5
			380V	10/5	7.5/4	10/5
			230V	25/13	7.5/4	25/13
			200V	25/13	7.5/4	25/13
			100V	25/13	10/5	25/13
	GB14048.2 Icu/Ics(kA)	AC	400V	10/5	7.5/4	10/5
			230V	25/13	10/5	25/13
	UL489 CAN/CSA C22.2 NO.5 (kA)	AC	480V/Δ	—	—	—
480V/Y			—	—	—	
240V			14	14	14	
Conforming to standards	CE Marking		● (TÜV)		● (TÜV)	
	CCC certificate		●		●	
	UL Listed (NEMA AB1)		●		●	
	Electrical Appliance and Material Safety Law *1		●		●	
Dimensions (inch(mm))		a	2.953 (75)		2.953 (75)	
		b	4.724 (120)		4.724 (120)	
		c	2.362 (60)		2.362 (60)	
		d	3.307 (84)		3.307 (84)	
Mass (kg)		0.6		0.6		
Tripping device		Hydraulic-magnetic				
Connecting terminal		Page 07/26				
Screw	S□	○	○	○	○	
Flat		○	○	○	○	
Block		—	—	—	—	
Internal accessories		Page 07/57				
Alarm switch	K	○	○	○	○	
Auxiliary switch	W	○	○	○	○	
Undervoltage trip	R	○	○	○	○	
Shunt trip	F	○	○	○	○	
Earth alarm switch	L	—	—	—	—	
External accessories		Page 07/60				
Operating handle	N-type	N	○	○	○	
Operating handle	V-type	V	○	○	○	
Terminal cover	Short	BT□S	○*2	○	○	
Terminal cover	Long	BT□L	○	○	○	
Insulation barrier	Interphase	BP	○	○	○	

●: Approved ○: Available —: Not available  
 Note: \*1 Electrical Appliance and Material Safety Law of Japan  
 \*2 Standard provided

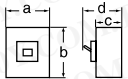
Rated voltage (V)	Operational voltage range (V)
100-230	80-264
240	80-264
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Global Series

Ampere frame		125A		
Type		EW125JAGU	EW125RAGU	
Pole		3	3	
Rated current Reference amb. temp. (40°C)	In(A)	15, 20, 30, 40, 50, 60, 75, 100, 125		
Rated impulse withstand voltage	Uimp(kV)	6	6	
Isolation compliant		●	●	
Rated voltage Ue (AC V)	IEC	100-230-440		
	UL	240-480		
Type of earth leakage trip action		AC type		
Instantaneous trip type	Rated sensitive current (mA)	30		
	Tripping time (s)	0.1 or less		
Instantaneous/time-delay trip type	Rated sensitive current (mA)	100/200/500/1000 changeover		
	Tripping time (s)	0.1/0.4/1/2 changeover		
	Inertia non-tripping time (s) (2IΔn)	0/0.2/0.5/1		
Rated breaking capacity	IEC60947-2 EN60947-2 JISC8201-2-2 Icu/Ics (kA)	AC	440V 30/15	50/25
			415V 30/15	50/25
			400V 30/15	50/25
			380V 30/15	50/25
			230V 50/25	100/50
			200V 50/25	100/50
		100V 50/25	100/50	
	GB14048.2 Icu/Ics (kA)	AC	400V 30/15	50/25
			230V 50/25	100/50
	UL489 CAN/CSA C22.2 NO.5 (kA)	AC	480V/Δ 30	50
		480V/Y 30	50	
		240V 50	100	
Conforming to standards	CE Marking	● (TUV)	● (TUV)	
	CCC certificate	●	●	
	UL Listed (NEMA AB1)	●	●	
	Electrical Appliance and Material Safety Law <sup>*1</sup>	● (except for 125A)	● (except for 125A)	
Dimensions (inch(mm))		a	3.543 (90)	3.543 (90)
		b	6.732 (171)	6.732 (171)
		c	2.677 (68)	2.677 (68)
		d	3.740 (95)	3.740 (95)
Mass (kg)		1.3	1.3	
Tripping device		Thermal-magnetic		
Connecting terminal Page 07/26				
Screw	□ ○	○	○	
Flat	○	○	○	
Block	○	○	○	
Internal accessories Page 07/58				
Alarm switch	K ○	○	○	
Auxiliary switch	W ○	○	○	
Undervoltage trip	R ○	○	○	
Shunt trip	F ○	○	○	
Earth alarm switch	L ○	○	○	
External accessories Page 07/60				
Operating handle N-type	N ○	○	○	
Operating handle V-type	V ○	○	○	
Operating handle F-type	F ○	○	○	
Terminal cover Short	BTDS ○ <sup>*2</sup>	○ <sup>*2</sup>	○ <sup>*2</sup>	
Terminal cover Long	BTCL ○	○	○	
Insulation barrier Interphase	BP ○	○	○	

●: Approved ○: Available —: Not available

Note: <sup>\*1</sup> Electrical Appliance and Material Safety Law of Japan

<sup>\*2</sup> Standard provided

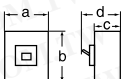
Rated voltage (V)	Operational voltage range (V)
240-480	80-504
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Global Series

Ampere frame		250A			
Type		<b>EW250JAGU</b>	<b>EW250RAGU</b>		
Pole		3	3		
Rated current Reference amb. temp. (40°C)	In(A)	125, 150, 160, 175, 200, 225, 250			
Rated impulse withstand voltage	Uimp(kV)	6	6		
Isolation compliant		●	●		
Rated voltage Ue (AC V)	IEC	100-230-440			
	UL	240-480			
Type of earth leakage trip action		AC type			
Instantaneous trip type	Rated sensitive current (mA)	30			
	Tripping time (s)	0.1 or less			
Instantaneous/time-delay trip type	Rated sensitive current (mA)	100/200/500/1000 changeover			
	Tripping time (s)	0.1/0.4/1/2 changeover			
	Inertia non-tripping time (s) (2IΔn)	0/0.2/0.5/1			
Rated breaking capacity	IEC60947-2 EN60947-2 JISC8201-2-2 Icu/Ics (kA)	AC	440V	30/15	50/25
			415V	30/15	50/25
			400V	30/15	50/25
			380V	30/15	50/25
			230V	50/25	100/50
			200V	50/25	100/50
			100V	50/25	100/50
	GB14048.2 Icu/Ics (kA)	AC	400V	30/15	50/25
			230V	50/25	100/50
	UL489 CAN/CSA C22.2 NO.5 (kA)	AC	480V/Δ	30	50
			480V/Y	30	50
			240V	50	100
	Conforming to standards	CE Marking	● (TÜV)	● (TÜV)	
		CCC certificate	●	●	
UL Listed (NEMA AB1)		●	●		
Dimensions (inch(mm))		a	4.134 (105)	4.134 (105)	
		b	7.126 (181)	7.126 (181)	
		c	2.677 (68)	2.677 (68)	
		d	3.740 (95)	3.740 (95)	
Mass (kg)		1.8	1.8		
Tripping device		Thermal-magnetic			
Connecting terminal Page 07/26					
Screw	S□	○	○		
Flat		○	○		
Block		○	○		
Internal accessories Page 07/58					
Alarm switch	K	○	○		
Auxiliary switch	W	○	○		
Undervoltage trip	R	○	○		
Shunt trip	F	○	○		
Earth alarm switch	L	○	○		
External accessories Page 07/60					
Operating handle N-type	N	○	○		
Operating handle V-type	V	○	○		
Operating handle F-type	F	○	○		
Terminal cover Short	BT□S	○*1	○*1		
Terminal cover Long	BT□L	○	○		
Insulation barrier Interphase	BP	○	○		

●: Approved ○: Available –: Not available  
Note: \*1 Standard provided

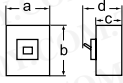
Rated voltage (V)	Operational voltage range (V)
240-480	80-504
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Global Series

Ampere frame		400A				
Type		<b>EW400SAGU</b>	<b>EW400RAGU</b>	<b>EW400HAGU</b>		
Pole		3	3	3		
Rated current	Reference amb. temp. (40°C)	In(A) 250, 300, 350, 400				
Rated impulse withstand voltage	Uimp(kV)	6	6	6		
Isolation compliant		●	●	●		
Rated voltage Ue (AC V)	IEC	100-230-440				
	UL	240-480				
Type of earth leakage trip action		AC type				
Instantaneous trip type	Rated sensitive current (mA)	30				
	Tripping time (s)	0.1 or less				
Instantaneous/time-delay trip type	Rated sensitive current (mA)	100/200/500/1000 changeover				
	Tripping time (s)	0.1/0.4/1/2 changeover				
	Inertia non-tripping time (s) (2IΔn)	0/0.2/0.5/1				
Rated breaking capacity	IEC60947-2 EN60947-2 JISC8201-2-2 Icu/lcs (kA)	AC	440V	36/18	50/25	70/35
			415V	36/18	50/25	70/35
			400V	36/18	50/25	70/35
			380V	36/18	50/25	70/35
			230V	85/43	100/50	125/63
			200V	85/43	100/50	125/63
	GB14048.2 Icu/lcs (kA)	AC	400V	36/18	50/25	70/35
			230V	85/43	100/50	125/63
	UL489 CAN/CSA C22.2 NO.5 (kA)	AC	480V/Δ	35	50	65 (with block terminal: 50)
			480V/Y	35	50	65 (with block terminal: 50)
			240V	50	100	100
	Conforming to standards	CE Marking		● (TÜV)	● (TÜV)	● (TÜV)
CCC certificate		●	●	●		
UL Listed (NEMA AB1)		●	●	●		
Dimensions (inch(mm))		a	5.512 (140)	5.512 (140)	5.512 (140)	
		b	10.12 (257)	10.12 (257)	10.12 (257)	
		c	4.055 (103)	4.055 (103)	4.055 (103)	
		d	5.748 (146)	5.748 (146)	5.748 (146)	
		Mass (kg)	6.3		6.3	6.3
Tripping device		Thermal-magnetic				
Connecting terminal		Page 07/26				
Screw	□	–	–	–		
Flat	○	○	○	○		
Block	○	○	○	○		
Internal accessories		Page 07/58				
Alarm switch	K	○	○	○		
Auxiliary switch	W	○	○	○		
Undervoltage trip	R	○	○	○		
Shunt trip	F	○	○	○		
Earth alarm switch	L	▲	▲	▲		
External accessories		Page 07/60				
Operating handle N-type	N	○	○	○		
Operating handle V-type	V	○	○	○		
Operating handle F-type	F	○	○	○		
Terminal cover Short	BTCS	○	○	○		
Terminal cover Long	BTCL	○	○	○		
Insulation barrier Interphase	BP	○	○	○		

● : Approved ○ : Available – : Not available ▲ : Factory-mounted accessory

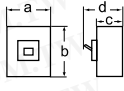
Rated voltage (V)	Operational voltage range (V)
240–480	80–504
100–230–440	80–484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Global Series

Ampere frame		630A		
Type		EW630RAGU		
Pole		3		
Rated current	Reference amb. temp. (40°C)	In(A)	500, 600, 630* <sup>1</sup>	
Rated impulse withstand voltage		Uimp(kV)	6	
Isolation compliant		●		
Rated voltage Ue (AC V)		IEC	100-230-440	
		UL	240-480	
Instantaneous/time-delay trip type	Rated sensitive current (mA)		100/200/500/1000 changeover	
	Tripping time (s)		0.1/0.4/1/2 changeover	
	Inertia non-tripping time (s) (2IΔn)		0/0.2/0.5/1	
Rated breaking capacity	IEC60947-2 EN60947-2 JISC8201-2-2 Icu/Ics (kA)	AC	440V	50/25
			415V	50/25
			400V	50/25
			380V	50/25
			230V	100/50
			200V	100/50
	GB14048.2 Icu/Ics (kA)	AC	400V	50/25
			230V	100/50
	UL489 CAN/CSA C22.2 NO.5 (kA)	AC	480V/Δ	50
			480V/Y	50
			240V	100
	Conforming to standards	CE Marking		● (TÜV)
CCC certificate		●		
UL Listed (NEMA AB1)		●		
Dimensions (inch(mm))		a	8.268 (210)	
		b	10.83 (275)	
		c	4.055 (103)	
		d	5.748 (146)	
		Mass (kg)	10.2	
Tripping device		Thermal-magnetic		
Connecting terminal		Page 07/27		
Screw	S□	-		
Flat	○			
Block	○			
Internal accessories		Page 07/59		
Alarm switch	K	○* <sup>2</sup>		
Auxiliary switch	W	○* <sup>2</sup>		
Undervoltage trip	R	○* <sup>2</sup>		
Shunt trip	F	○* <sup>2</sup>		
Earth alarm switch	L	▲		
External accessories		Page 07/60		
Operating handle N-type	N	○		
Operating handle V-type	V	○		
Terminal cover Short	BT□S	○		
Terminal cover Long	BT□L	○		
Insulation barrier Interphase	BP	○		

●: Approved ○: Available -: Not available ▲: Factory-mounted accessory

Note: \*<sup>1</sup> Breakers for 630A cannot be manufactured with block terminals.

\*<sup>2</sup> Block terminals are not available.

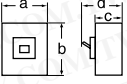
Rated voltage (V)	Operational voltage range (V)
240-480	80-504
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series / Motor protection

Ampere frame		32A			
Type		<b>EW32EAM</b>		<b>EW32SAM</b>	
Pole		3		3	
Rated current	Reference amb. temp. (40°C)	In(A)	1.4, 2.6, 4, 5, 8, 10, 16, 24, 32	0.7, 1.4, 2, 2.6, 4, 5, 8, 10, 12, 16, 24, 32	
Rated impulse withstand voltage		Uimp(kV)	4	4	
Isolation compliant		●		●	
Rated voltage Ue(AC V)		100-230-440		100-230-440	
Rated sensitive current (mA)		30, 100		30, 100/200/500 changeover	
Tripping time (s)		0.1 or less		0.1 or less	
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	1.5/1	2.5/2
			415V	1.5/1	2.5/2
		400V	1.5/1	2.5/2	
		380V	1.5/1	2.5/2	
		230V	2.5/2	5/3	
		200V	2.5/2	5/3	
	GB14048.2	AC	400V	1.5/1	2.5/2
			230V	2.5/2	5/3
	Conforming to standards	CE Marking		●	●
		CCC certificate		●	●
Electrical Appliance and Material Safety Law*1		●	●		
Dimensions (mm)		a	75	75	
		b	100	100	
		c	60	60	
		d	84	84	
		Mass (kg)	0.5		0.5
Tripping device		Hydraulic-magnetic		Hydraulic-magnetic	
Front mounting, front connection	No-mark	○	○	○	
Front mounting, rear connection	X	○	○	○	
Flush mounting, front connection	E	○	○	○	
Flush mounting, top & bottom connection	Y	○	○	○	
Plug-in mounting	P	○	○	○	
IEC 35mm wide rail mounting	No-mark	○	○	○	
Internal accessories		Page 07/57			
Alarm switch	K	○	○	○	
Auxiliary switch	W	○	○	○	
Undervoltage trip	R	○	○	○	
Shunt trip	F	○	○	○	
Earth alarm switch	L	-	-	-	
External accessories		Page 07/60			
Handle padlocking device	Cap type	QN	○	○	
Handle padlocking device	Plate type	Q2	▲	▲	
Operating handle	N-type	N	○	○	
Operating handle	V-type	V	○	○	
Terminal cover	Short	BTCIS	○	○	
Terminal cover	Long	BTL	○	○	
Insulation barrier	Interphase	BP	○	○	
Insulation barrier	Earth	BL	○	○	
Handle locking cover		L1	○	○	
Flat terminal		SS	○	○	
Block terminal		SL	-	-	

● : Approved ○ : Available - : Not available ▲ : Factory-mounted accessory

Note: \*1 Electrical Appliance and Material Safety Law of Japan

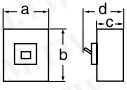
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series / Motor protection

Ampere frame		50A					
Type		EW50EAM		EW50SAM			
Pole		3		3			
Rated current	Reference amb. temp. (40°C)	In(A)	45	0.7, 1.4, 2, 2.6, 4, 5, 8, 10, 12, 16, 24, 32, 40, 45			
Rated impulse withstand voltage		Uimp(kV)	4	6			
Isolation compliant		●		●			
Rated voltage Ue (AC V)		100-230-440		100-230-440			
Rated sensitive current (mA)		30, 100/200 changeover		30, 100/200/500 changeover			
Tripping time (s)		0.1 or less		0.1 or less			
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	2.5/2	7.5/4		
			415V	2.5/2	7.5/4		
			400V	2.5/2	7.5/4		
					380V	2.5/2	7.5/4
					230V	5/3	10/5
					200V	5/3	10/5
					100V	5/3	10/5
	GB14048.2	AC	400V	2.5/2	7.5/4		
			230V	5/3	10/5		
	Conforming to standards	CE Marking		●		●	
CCC certificate		●		●			
Electrical Appliance and Material Safety Law*1		●		●			
Dimensions (mm)			a	75	75		
			b	100	100		
			c	60	60		
			d	84	84		
			Mass (kg)	0.6		0.6	
Tripping device		Hydraulic-magnetic		Hydraulic-magnetic			
Front mounting, front connection	No-mark	○	○				
Front mounting, rear connection	X	○	○				
Flush mounting, front connection	E	○	○				
Flush mounting, top & bottom connection	Y	○	○				
Plug-in mounting	P	○	○				
IEC 35mm wide rail mounting	No-mark	○	○				
Internal accessories		Page 07/57					
Alarm switch	K	○	○				
Auxiliary switch	W	○	○				
Undervoltage trip	R	○	○				
Shunt trip	F	○	○				
Earth alarm switch	L	-	-				
External accessories		Page 07/60					
Handle padlocking device	Cap type	QN	○	○			
Handle padlocking device	Plate type	Q2	▲	▲			
Operating handle	N-type	N	○	○			
Operating handle	V-type	V	○	○			
Terminal cover	Short	BTCIS	○	○			
Terminal cover	Long	BTL	○	○			
Insulation barrier	Interphase	BP	○	○			
Insulation barrier	Earth	BL	○	○			
Handle locking cover		L1	○	○			
Flat terminal		SS	○	○			
Block terminal		SL	-	-			

● : Approved ○ : Available - : Not available ▲ : Factory-mounted accessory

Note: \*1 Electrical Appliance and Material Safety Law of Japan

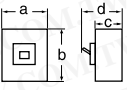
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

# Earth Leakage Circuit Breakers

## G-TWIN series

### Quick reference guide

#### ■ G-TWIN Standard Series / Motor protection

Ampere frame		63A		100A			
Type		<b>EW63EAM</b>		<b>EW63SAM</b>			
Pole		3		3			
Rated current	Reference amb. temp. (40°C)	In(A)	63	63			
Rated impulse withstand voltage		Uimp(kV)	6	6			
Isolation compliant		●		●			
Rated voltage Ue (AC V)		100-230-440		100-230-440			
Rated sensitive current (mA)		30, 100/200 changeover		30, 100/200/500 changeover			
Tripping time (s)		0.1 or less		0.1 or less			
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	2.5/2	7.5/4	10/5	
			415V	2.5/2	7.5/4	10/5	
		GB14048.2	AC	400V	2.5/2	7.5/4	10/5
				380V	2.5/2	7.5/4	10/5
			AC	230V	5/3	10/5	25/13
				200V	5/3	10/5	25/13
	AC	400V	2.5/2	7.5/4	10/5		
		230V	5/3	10/5	25/13		
	Conforming to standards	CE Marking		●	●	●	
		CCC certificate		●	●	●	
Electrical Appliance and Material Safety Law*1		●	●	●			
Dimensions (mm)		a	75	75	75		
		b	100	100	100		
		c	60	60	60		
		d	84	84	84		
		Mass (kg)	0.6		0.6	0.6	
Tripping device		Hydraulic-magnetic		Hydraulic-magnetic			
Front mounting, front connection	No-mark	○	○	○			
Front mounting, rear connection	X	○	○	○			
Flush mounting, front connection	E	○	○	○			
Flush mounting, top & bottom connection	Y	○	○	○			
Plug-in mounting	P	○	○	○			
IEC 35mm wide rail mounting	No-mark	○	○	○			
Internal accessories		Page 07/57					
Alarm switch	K	○	○	○			
Auxiliary switch	W	○	○	○			
Undervoltage trip	R	○	○	○			
Shunt trip	F	○	○	○			
Earth alarm switch	L	-	-	-			
External accessories		Page 07/60					
Handle padlocking device	Cap type	QN	○	○			
Handle padlocking device	Plate type	Q2	▲	▲			
Operating handle	N-type	N	○	○			
Operating handle	V-type	V	○	○			
Terminal cover	Short	BTCIS	○	○			
Terminal cover	Long	BTL	○	○			
Insulation barrier	Interphase	BP	○	○			
Insulation barrier	Earth	BL	○	○			
Handle locking cover		L1	○	○			
Flat terminal		SS	○	○			
Block terminal		SL	-	-			

● : Approved ○ : Available - : Not available ▲ : Factory-mounted accessory

Note: \*1 Electrical Appliance and Material Safety Law of Japan

Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

# Earth Leakage Circuit Breakers G-TWIN series Quick reference guide

勝特力材料 886-3-5753170  
勝特力电子(上海) 86-21-34970699  
勝特力电子(深圳) 86-755-83298787  
Http://www.100y.com.tw

## ■ G-TWIN Standard Series / Motor protection

Ampere frame		125A			250A				
Type		EW125JAM		EW125RAM	EW250EAM		EW250JAM	EW250RAM	
Pole		3			3			3	
Rated current Reference amb. temp. (40°C)		In(A)			16, 24, 32, 40, 45, 60, 75, 90			125, 150, 175, 225	
Rated impulse withstand voltage		Uimp(kV)			6			6	
Isolation compliant		●			●			●	
Rated voltage Ue (AC V)		100-230-440			100-230-440			100-230-440	
Type of earth leakage trip action		AC type			AC type				
Instantaneous trip type	Rated sensitive current (mA)		30			30			
	Tripping time (s)		0.1 or less			0.1 or less			
Instantaneous/ time-delay trip type	Rated sensitive current (mA)		100/200/500/1000 changeover			100/200/500/1000 changeover			
	Tripping time (s)		0.1/0.4/1/2 changeover			0.1/0.4/1/2 changeover			
Inertia non-tripping time (s) (2IΔn)		0/0.2/0.5/1			0/0.2/0.5/1				
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-2	AC	440V	30/15	50/25	18/9	30/15	50/25	
			415V	30/15	50/25	18/9	30/15	50/25	
			400V	30/15	50/25	18/9	30/15	50/25	
		380V	30/15	50/25	18/9	30/15	50/25		
		230V	50/25	100/50	36/18	50/25	100/50		
		200V	50/25	100/50	36/18	50/25	100/50		
	GB14048.2	AC	400V	30/15	50/25	18/9	30/15	50/25	
			230V	50/25	100/50	36/18	50/25	100/50	

●: Approved ○: Available -: Not available  
Note: \*1 Electrical Appliance and Material Safety Law of Japan

Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484