

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		
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		
Rated sensitive current (mA)			15, 30, 100		15, 30, 100/200 changeover		30, 100/200/500 changeover		
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	-		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	2.5/2		5/3		10/5	
			200V	2.5/2		5/3		10/5	
			100V	2.5/2		5/3		10/5	
	GB14048.2	AC	400V	-		2.5/2		7.5/4	
			230V	2.5/2		5/3		10/5	
			230V	2.5/2		5/3		10/5	
Conforming to standards			CE Marking		● (TÜV)		● (TÜV)		
			CCC certificate		●		●		
			Electrical Appliance and Material Safety Law *1		●		●		
Dimensions (mm)				a	50	75	75	75	
				b	100		100		
				c	60		60		
				d	84		84		
Mass (kg)			0.4	0.6	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	○	○	○	○		
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

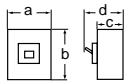
Rated voltage (V)	Operational voltage range (V)
100-230	80-264
100-230-440	80-484

Earth Leakage Circuit Breakers

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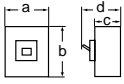
Rated voltage (V)	Operational voltage range (V)
100-230	80-264
100-230-440	80-484

Earth Leakage Circuit Breakers

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Quick reference guide

■ G-TWIN Standard Series

Ampere frame			100A		
Type			EW100AAG		EW100EAG
Pole			3		2
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
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	–	–
			415V	–	–
			400V	–	–
			380V	–	–
			230V	5/3	10/5
			200V	5/3	10/5
			100V	5/3	10/5
	GB14048.2	AC	400V	–	–
			230V	5/3	10/5
Conforming to standards	CE Marking		● (TÜV)		● (TÜV)
	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	
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	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
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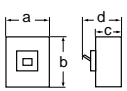
Rated voltage (V)	Operational voltage range (V)
100–230	80–264
100–230–440	80–484

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■ 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		
			100V	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	1.7	
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	BTCS	○	○	○	○	○	○	
Terminal cover Long	BTCL	○	○	○	○	○	○	
Insulation barrier Interphase	BP	○	○	○	○	○	○	
Handle locking cover	L1	○	○	○	○	○	○	
Flat terminal	SS	○	○	○	○	○	○	
Block terminal	SL	○	○	○	○	○	○	

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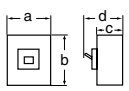
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

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				
			100V	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			
		c	68	68		68		68			
		d	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	BTCS	○	○	○	○	○	○	○	○	○	○
Terminal cover Long	BTCL	○	○	○	○	○	○	○	○	○	○
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

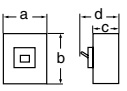
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

Earth Leakage Circuit Breakers

G-TWIN series

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■ G-TWIN Standard Series

Ampere frame		250A								
Type		EW250EAG		EW250JAG		EW250SAG		EW250RAG		
Pole		3		3 4		3 4		3 4		
Rated current	Reference amb. temp. (40°C)	In(A)		175, 200, 225, 250		175,200,225		175,200,225,250		
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	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			
			100V	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		● (TÜV)		● (TÜV)		● (TÜV)			
	CCC certificate		●		●		●			
Dimensions (mm)		a	105	105	140	105	140	105	140	
		b	165	165		165		165		
		c	68	68		68		68		
		d	95	95		95		95		
Mass (kg)		1.8	1.8	2.3	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

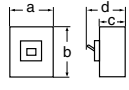
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

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		4		3		4	
Rated current	Reference amb. temp. (40°C)	In(A)		250, 300, 350, 400							
Rated impulse withstand voltage		Uimp(kV)		6		6		6		6	
Isolation compliant		●		●		●		●		●	
Rated voltage Ue (AC V)		IEC		100-230-440							
		UL		200-480							
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)		100/300/500/1000 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				
			100V	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				
Conforming to standards	CE Marking		● (TÜV)		● (TÜV)		● (TÜV)		● (TÜV)		
	CCC certificate		●		●		●		●		
Dimensions (mm)		a	140	140	185	140	185	140	185		
		b	257	257		257		257			
		c	103	103		103		103			
		d	146	146		146		146			
Mass (kg)		5.8	5.8	7.8	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 BT□S	○	○	○	○	○	○	○	○		
Terminal cover	Long BT□L	○	○	○	○	○	○	○	○		
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

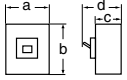
Rated voltage (V)	Operational voltage range (V)
100-230-440	80-484

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)			700, 800				
Rated impulse withstand voltage	Uimp(kV)	6	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
			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	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	BT□S	○	○	○	○	○	○		
Terminal cover Long	BT□L	○	○	○	○	○	○		
Insulation barrier Interphase	BP	○	○	○	○	○	○		
Handle locking cover	L1	○	○	○	○	○	○		
Flat terminal	SS	○*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 Global Series

Ampere frame		50A		100A		
Type		EW50RAGU		EW100EAGU		
Pole		3		2 3		
Rated current	Reference amb. temp. (40°C)	In(A)	3, 5, 10, 15, 20, 30, 32, 40, 50			
Rated impulse withstand voltage	Uimp(kV)	6		4 6		
Isolation compliant		●		● ●		
Rated voltage Ue (AC V)	IEC	100-230-440		100-230 100-230-440		
	UL	240		240 240		
Rated sensitive current (mA)		30, 50, 100/200/500 changeover		30, 100/200 changeover 30, 50, 100/200/500 changeover		
Tripping time (s)		0.1 or less		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) ● (TÜV)	
	CCC certificate		●		● ●	
	UL Listed (NEMA AB1)		●		● ●	
	Electrical Appliance and Material Safety Law *1		●		● ●	
Dimensions (inch(mm))			a	2.953 (75)	2.953 (75)	2.953 (75)
			b	4.724 (120)	4.724 (120)	4.724 (120)
			c	2.362 (60)	2.362 (60)	2.362 (60)
			d	3.307 (84)	3.307 (84)	3.307 (84)
Mass (kg)		0.6		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

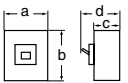
Rated voltage (V)	Operational voltage range (V)
100–230	80–264
240	80–264
100–230–440	80–484

Earth Leakage Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Global Series

Ampere frame		125A	
Type		EW125JAGU	EW125RAGU
Pole		3	
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
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
		415V	30/15
		400V	30/15
		380V	30/15
		230V	50/25
		200V	50/25
	GB14048.2 Icu/Ics (kA)	AC 400V	30/15
		230V	50/25
	UL489 CAN/CSA C22.2 NO.5 (kA)	AC 480V/Δ	30
		480V/Y	30
	240V	50	
Conforming to standards	CE Marking		● (TÜV)
	CCC certificate		●
	UL Listed (NEMA AB1)		●
	Electrical Appliance and Material Safety Law *1		● (except for 125A)
Dimensions (inch(mm))		a	3.543 (90)
		b	6.732 (171)
		c	2.677 (68)
		d	3.740 (95)
Mass (kg)			1.3
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	○ *2	○ *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

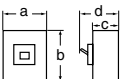
Rated voltage (V)	Operational voltage range (V)
240-480	80-504
100-230-440	80-484

Earth Leakage Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Global Series

Ampere frame		250A	
Type		EW250JAGU	EW250RAGU
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
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
	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)
	CCC certificate		●
	UL Listed (NEMA AB1)		●
Dimensions (inch(mm))		a	4.134 (105)
		b	7.126 (181)
		c	2.677 (68)
		d	3.740 (95)
			4.134 (105)
Mass (kg)			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

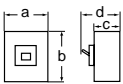
Rated voltage (V)	Operational voltage range (V)
240-480	80-504
100-230-440	80-484

Earth Leakage Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Global Series

Ampere frame		400A				
Type		EW400SAGU	EW400RAGU	EW400HAGU		
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		
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	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/Ics (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	BT□S	○	○	○		
Terminal cover Long	BT□L	○	○	○		
Insulation barrier Interphase	BP	○	○	○		

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

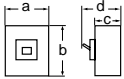
Rated voltage (V)	Operational voltage range (V)
240–480	80–504
100–230–440	80–484

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*1	
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	○*2		
Auxiliary switch	W	○*2		
Undervoltage trip	R	○*2		
Shunt trip	F	○*2		
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: *1 Breakers for 630A cannot be manufactured with block terminals.
 *2 Block terminals are not available.

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