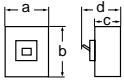


Molded Case Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Standard Series

Ampere frame		50A											
Type		BW50AAG		BW50EAG		BW50SAG		BW50RAG		BW50HAG			
Pole		2	3	2	3	2	3	2	3	2	3		
Rated current	Reference amb. temp. (40°C)	In(A) 5, 10, 15, 20, 30, 32, 40, 50						10, 15, 20, 30, 32, 40, 50		15, 20, 30, 40, 50			
Rated impulse withstand voltage		Uimp(kV) 6		6		6		6		6			
Isolation compliant		●		●		●		●		●			
Rated insulation voltage Ui (V)		AC 500		690		690		690		690			
		DC -		250*1		250*1		250*1		250			
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	500V	-	1.5/1	5/3	7.5/4	25/7					
			440V	1.5/1	2.5/2	7.5/4	10/5	65/17					
			415V	1.5/1	2.5/2	7.5/4	10/5	65/17					
			400V	1.5/1	2.5/2	7.5/4	10/5	65/17					
			380V	1.5/1	2.5/2	7.5/4	10/5	65/17					
			240V	2.5/2	5/3	10/5	25/13	125/63					
		230V	2.5/2	5/3	10/5	25/13	125/63						
		DC	250V	-	2.5/2*1	5/3*1	5/3*1	40/20					
		GB14048.2	AC	400V	1.5/1	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 <PS>E ²	●		●		●		●		●			
Dimensions (mm)				a	50	75	50	75	50	75	50	75	90
				b	100		100		100		155		
				c	60		60		60		68		
				d	84		84		84		95		
Mass (kg)		0.4	0.5	0.4	0.5	0.4	0.5	0.4	0.5	1.0	1.2		
Tripping device		Hydraulic-magnetic								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 06/63													
Alarm switch	K	○	○	○	○	○	○	○	○	○	○		
Auxiliary switch	W	○	○	○	○	○	○	○	○	○	○		
Undervoltage trip	R	○	○	○	○	○	○	○	○	○	○		
Shunt trip	F	○	○	○	○	○	○	○	○	○	○		
External accessories Page 06/66													
Handle padlocking device	Cap type	Q1/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 Specify DC only when ordering circuit breakers for DC circuit.

*2 Electrical Appliance and Material Safety Law of Japan

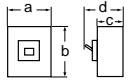
06

Molded Case Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Standard Series

Ampere frame		63A							
Type		BW63EAG		BW63SAG		BW63RAG			
Pole		2	3	2	3	2	3		
Rated current Reference amb. temp. (40°C)		In(A) 60, 63							
Rated impulse withstand voltage		Uimp(kV) 6		6		6			
Isolation compliant		●		●		●			
Rated insulation voltage Ui (V)		AC 690		690		690			
		DC 250*1		250*1		250*1			
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	500V	1.5/1	5/3	7.5/4			
			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			
			240V	5/3	10/5	25/13			
			230V	5/3	10/5	25/13			
			DC	250V	2.5/2*1	5/3*1	5/3*1		
			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 <PS>E ²		●		●		●		
Dimensions (mm)			a	50	75	50	75	50	75
			b	100		100		100	
			c	60		60		60	
			d	84		84		84	
			Mass (kg)	0.4	0.5	0.4	0.5	0.4	0.5
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 06/63									
Alarm switch	K	○	○	○	○	○	○		
Auxiliary switch	W	○	○	○	○	○	○		
Undervoltage trip	R	○	○	○	○	○	○		
Shunt trip	F	○	○	○	○	○	○		
External accessories Page 06/66									
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 Specify DC only when ordering circuit breakers for DC circuit.

*2 Electrical Appliance and Material Safety Law of Japan

Molded Case Circuit Breakers
G-TWIN series
 Quick reference guide

■ G-TWIN Standard Series

Ampere frame		100A					
Type		BW100AAG		BW100EAG			
Pole		2	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)	6				
Isolation compliant		●					
Rated insulation voltage Ui (V)		AC	500		690		
		DC	-		250*1		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	500V	-		7.5/4	
			440V	-		10/5	
			415V	-		10/5	
			400V	1.5/1		10/5	
			380V	1.5/1		10/5	
			240V	5/3		25/13	
			230V	5/3		25/13	
			DC	250V		-	
		GB14048.2	AC	400V	1.5/1		10/5
				230V	5/3		25/13
Conforming to standards	CE Marking	● (TÜV)		● (TÜV)			
	CCC certificate	●					
	Electrical Appliance and Material Safety Law <PS>E ²	●					
Dimensions (mm)		a	50	75	50	75	
		b	100				
		c	60				
		d	84				
		Mass (kg)	0.4	0.5	0.4	0.5	
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 06/63					
Alarm switch	K	○	○	○	○		
Auxiliary switch	W	○	○	○	○		
Undervoltage trip	R	○	○	○	○		
Shunt trip	F	○	○	○	○		
External accessories		Page 06/66					
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 Specify DC only when ordering circuit breakers for DC circuit.

*2 Electrical Appliance and Material Safety Law of Japan

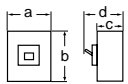
06

Molded Case Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Standard Series

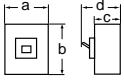
Ampere frame		125A												
Type		BW125JAG				BW125SAG			BW125RAG			BW125HAG		
Pole		2	3	4	2	3	4	2	3	4	2	3		
Rated current Reference amb. temp. (40°C)		In(A) 15, 20, 30, 40, 50, 60, 75, 100, 125												
Rated impulse withstand voltage		Uimp(kV) 6				6			6			6		
Isolation compliant		●				●			●			●		
Rated insulation voltage Ui (V)		AC		690		690			690			690		
		DC		250		250			250			250		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	690V	–	–	–			–			–		
			500V	5/3	8/4	10/5			10/5			25/7		
			440V	30/15	30/15	36/18			50/25			65/17		
			415V	30/15	30/15	36/18			50/25			65/17		
			400V	30/15	30/15	36/18			50/25			65/17		
			380V	30/15	30/15	36/18			50/25			65/17		
			240V	50/25	50/25	85/43			100/50			125/63		
		230V	50/25	50/25	85/43			100/50			125/63			
		GB14048.2	AC	400V	30/15	30/15	36/18			50/25			–	
				230V	50/25	50/25	85/43			100/50			–	
Conforming to standards	CE Marking		● (TÜV)				● (TÜV)			● (TÜV)			●	
	CCC certificate		●				●			●			–	
	Electrical Appliance and Material Safety Law <PS>E ²		● (except for 125A)				● (except for 125A)			● (except for 125A)			● (except for 125A)	
Dimensions (mm)			a	60	90	120	90	90	120	90	90	120	90	
			b	155			155			155			155	
			c	68			68			68			68	
			d	95			95			95			95	
Mass (kg)		0.8	1.2	1.6	1.0	1.2	1.6	1.0	1.2	1.6	1.0	1.2		
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 06/64												
Alarm switch		K	○	○	○	○	○	○	○	○	○	○	○	
Auxiliary switch		W	○	○	○	○	○	○	○	○	○	○	○	
Undervoltage trip		R	–	○	○	○	○	○	○	○	○	○	○	
Shunt trip		F	○	○	○	○	○	○	○	○	○	○	○	
External accessories		Page 06/66												
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

Note: * Electrical Appliance and Material Safety Law of Japan

Molded Case Circuit Breakers
G-TWIN series
 Quick reference guide

■ G-TWIN Standard Series

Ampere frame			160A													
Type			BW160EAG			BW160JAG			BW160SAG			BW160RAG				
Pole			2	3	2	3	4	2	3	4	2	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 insulation voltage Ui (V)		AC	690			690			690			690				
		DC	250			250			250			250				
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	690V	-			-			-			-			
			500V	5/3			8/4			10/5			10/5			
			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			
			240V	36/18			50/25			85/43			100/50			
		230V	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)			● (TÜV)				
	CCC certificate		●			●			●			●				
	Electrical Appliance and Material Safety Law <PS>E*		-			-			-			-				
Dimensions (mm) 			a	105	105	105	105	140	105	105	140	105	105	140		
			b	165			165			165			165			
			c	68			68			68			68			
			d	95			95			95			95			
Mass (kg)			1.4	1.6	1.4	1.6	2.2	1.4	1.6	2.2	1.4	1.6	2.2			
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 06/64														
Alarm switch		K	○	○	○	○	○	○	○	○	○	○	○	○		
Auxiliary switch		W	○	○	○	○	○	○	○	○	○	○	○	○		
Undervoltage trip		R	○	○	○	○	○	○	○	○	○	○	○	○		
Shunt trip		F	○	○	○	○	○	○	○	○	○	○	○	○		
External accessories		Page 06/66														
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
 Note: * Electrical Appliance and Material Safety Law of Japan

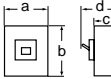
06

Molded Case Circuit Breakers

G-TWIN series

Quick reference guide

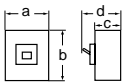
■ G-TWIN Standard Series

Ampere frame		250A														
Type		BW250EAG			BW250JAG			BW250SAG			BW250RAG			BW250HAG		
Pole		2	3	2	3	4	2	3	4	2	3	4	2	3		
Rated current	Reference amb. temp. (40°C)	In(A) 175, 200, 225, 250												125,150,160,175 200,225,250		
Rated impulse withstand voltage		Uimp(kV) 6			6			6			6			6		
Isolation compliant		●			●			●			●			●		
Rated insulation voltage Ui (V)		AC		690		690		690		690		690		690		
		DC		250		250		250		250		250		250		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	690V	-			-			-			-			
			500V	5/3		8/4		10/5		10/5		25/7				
			440V	18/9		30/15		36/18		50/25		65/17				
			415V	18/9		30/15		36/18		50/25		65/17				
			400V	18/9		30/15		36/18		50/25		65/17				
			380V	18/9		30/15		36/18		50/25		65/17				
			240V	36/18		50/25		85/43		100/50		125/63				
			230V	36/18		50/25		85/43		100/50		125/63				
		DC	250V		10/5		20/10		30/15		40/20					
		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)			● (TÜV)			●	
	CCC certificate		●			●			●			●			-	
	Electrical Appliance and Material Safety Law <PS>E*		-			-			-			-			-	
Dimensions (mm)			a	105	105	105	105	140	105	105	140	105	105	140	105	
			b	165			165			165			165			
			c	68			68			68			68			
			d	95			95			95			95			
Mass (kg)		1.4	1.6	1.4	1.6	2.2	1.4	1.6	2.2	1.4	1.6	2.2	1.4	1.6		
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 06/64																
Alarm switch	K	○	○	○	○	○	○	○	○	○	○	○	○	○		
Auxiliary switch	W	○	○	○	○	○	○	○	○	○	○	○	○	○		
Undervoltage trip	R	○	○	○	○	○	○	○	○	○	○	○	○	○		
Shunt trip	F	○	○	○	○	○	○	○	○	○	○	○	○	○		
External accessories Page 06/66																
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
 Note: * Electrical Appliance and Material Safety Law of Japan

Molded Case Circuit Breakers
G-TWIN series
 Quick reference guide

■ G-TWIN Standard Series

Ampere frame			400A													
Type			BW400EAG			BW400SAG			BW400RAG			BW400HAG				
Pole			2	3	2	3	2	3	4	2	3	4				
Rated current		Reference amb. temp. (40°C)	In(A) 250, 300, 350, 400													
Rated impulse withstand voltage		Uimp(kV)	8			8			8			8				
Isolation compliant			●			●			●			●				
Rated insulation voltage Ui (V)			AC	690			690			690			690			
			DC	250			250			250			250			
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	690V	-			10/5			15/8			15/8			
			500V	18/9			20/10			36/18			42/21			
			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			
			240V	50/25			85/43			100/50			125/63			
			230V	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)				
			CCC certificate			●			●			●				
			Electrical Appliance and Material Safety Law <PS>E ^{*1}			-			-			-				
Dimensions (mm)				a	140	140	140	140	140	140	185	140	140	185		
				b	257			257			257			257		
				c	103			103			103			103		
				d	146			146			146			146		
Mass (kg)			4.6	5.6	4.6	5.6	4.6	5.6	7.4	4.6	5.6	7.4				
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 06/65													
Alarm switch			K	○	○	○	○	○	○	○	○	○	○	○		
Auxiliary switch			W	○	○	○	○	○	○	○	○	○	○	○		
Undervoltage trip			R	○	○	○	○	○	○	○	○	○	○	○		
Shunt trip			F	○	○	○	○	○	○	○	○	○	○	○		
External accessories			Page 06/66													
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}	○ ^{*2}	○ ^{*2}	○ ^{*2}		
Block terminal			SL	○	○	○	○	○	○	○	○	○	○	○		

●: Approved ○: Available -: Not available
 Note: ^{*1} Electrical Appliance and Material Safety Law of Japan
^{*2} Standard provided

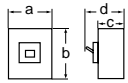
06

Molded Case Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Standard Series

Ampere frame		630A			800A				
Type		BW630EAG	BW630RAG	BW630HAG	BW800EAG	BW800RAG	BW800HAG		
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)	8	8	8	8	8	8		
Isolation compliant		●	●	●	●	●	●		
Rated insulation voltage Ui (V)	AC	690	690	690	690	690	690		
	DC	250	250	250	250	250	250		
Rated breaking capacity Icu/Ics (kA)	IEC 60947-2 EN 60947-2 JIS C 8201-2-1	AC	690V	—	15/8	15/8	—	15/8	15/8
			600V	—	—	—	—	—	—
		500V	18/9	36/18	42/21	18/9	36/18	42/21	
		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	
		240V	50/25	100/50	125/63	50/25	100/50	125/63	
	230V	50/25	100/50	125/63	50/25	100/50	125/63		
	GB14048.2	AC	400V	30/15	50/25	70/35	30/15	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	●	●	●	●	●	●		
	Electrical Appliance and Material Safety Law <PS>E ¹	—	—	—	—	—	—		
Dimensions (mm)		a	210	210	210	210	210		
		b	275	275	275	275	275		
		c	103	103	103	103	103		
		d	146	146	146	146	146		
		Mass (kg)		7.8	7.8	7.8	9.1	9.1	
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 06/65								
Alarm switch	K	○	○	○	○	○	○		
Auxiliary switch	W	○	○	○	○	○	○		
Undervoltage trip	R	○	○	○	○	○	○		
Shunt trip	F	○	○	○	○	○	○		
External accessories	Page 06/66								
Handle padlocking device	Cap type	QN	○	○	○	○	○		
Handle padlocking device	Plate type	Q2	○	○	○	○	○		
Operating handle	N-type	N	○	○	○	○	○		
Operating handle	V-type	V	○	○	○	○	○		
Terminal cover	Long	BTCL	○	○	○	○	○		
Insulation barrier	Interphase	BP	○	○	○	○	○		
Handle locking cover		L1	○	○	○	○	○		
Flat terminal		SS	○*2	○*2	○*2	○*2	○*2		
Block terminal		SL	○	○	○	○	○		

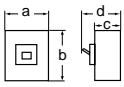
●: Approved ○: Available —: Not available

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

*2 Standard provided

Molded Case Circuit Breakers
G-TWIN series
 Quick reference guide

■ G-TWIN Global Series

Ampere frame		50A		100A		
Type		BW50RAGU		BW100EAGU		
Pole		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		
Isolation compliant		●		●		
Rated insulation voltage Ui (V)		AC		690		
Rated breaking capacity	IEC 60947-2 EN 60947-2 JIS C 8201-2-1 Icu/Ics (kA)	AC	500V	7.5/4		
			440V	10/5		
			415V	10/5		
			400V	10/5		
			380V	10/5		
			240V	25/13		
			230V	25/13		
GB14048.2 Icu/Ics(kA)	AC	400V	7/4	10/5	7/4	10/5
		230V	14/7	25/13	14/7	25/13
UL489 CAN/CSA C22.2 NO.5 (kA)	AC	240V	14		-	
Conforming to standards	CE Marking		● (TÜV)		● (TÜV)	
	CCC certificate		●		●	
	UL Listed (NEMA AB1)		●		●	
	Electrical Appliance and Material Safety Law <PS>E*1		●		●	
Dimensions (inch(mm))		a	1.969 (50) 2.953 (75)		1.969 (50) 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)		0.5		0.6		
Tripping device		Hydraulic-magnetic				
Connecting terminal		Page 06/26				
Screw	S□	○	○	○	○	
Flat		○	○	○	○	
Block	-	-	-	○	○	
Internal accessories		Page 06/63				
Alarm switch	K	○	○	○	○	
Auxiliary switch	W	○	○	○	○	
Undervoltage trip	R	○	○	○	○	
Shunt trip	F	○	○	○	○	
External accessories		Page 06/66				
Handle padlocking device	Cap type QN	○	○	○	○	
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	○	○	○	○	
Handle locking cover	L1	○	○	○	○	

●: Approved ○: Available -: Not available

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

*2 Standard provided