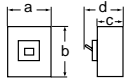


Molded Case Circuit Breakers

G-TWIN series

Quick reference guide

■ G-TWIN Standard Series

Ampere frame		32A						
Type		BW32AAG		BW32SAG				
Pole		2	3	2	3			
Rated current	Reference amb. temp. (40°C)	In(A) 3, 5, 10, 15, 20, 30, 32						
Rated impulse withstand voltage		Uimp(kV) 6		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	-		1.5/1		
			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		
			240V	2.5/2		5/3		
			230V	2.5/2		5/3		
			DC	250V		-		2.5/2*1
		GB14048.2	AC	400V		1.5/1		2.5/2
					230V		2.5/2	
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		100			
		c	60		60			
		d	84		84			
		Mass (kg)	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	-	-	-	-			

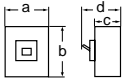
●: Approved ○: Available -: Not available ▲: Factory-mounted accessory

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		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		100		155
			c	60		60		60		60		68
			d	84		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

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*2 Electrical Appliance and Material Safety Law of Japan

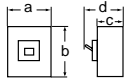
06

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

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*2 Electrical Appliance and Material Safety Law of Japan