




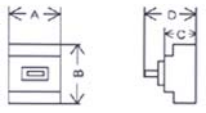


HITACHI FUSE-FREE BREAKERS

Standard Breakers F SERIES

Type		F-30FB		F-60RB		F-50KB			F-100S		F-100RB	
Appearance												
Number of poles		2 3		2 3		2 3 4			4		2 3	
Dimensions (mm)		A	52	75	52	75	65	90	120	120	65	90
		B	130		130		150			150	150	
		C	60		60		86			60	78	
		D	84		84		106			85	98	
Net Weight (kg)		0.46	0.63	0.53	0.74	1.4	1.8	2.3	1.3	1.2	1.5	
Rated Voltage (V)		AC 600 DC 250 *2		600 250 *2		600 250 *2			600 -	600 -		
Rated Current (A) (Base Ambient temperature 40 °C)		3 5 10 15 20 30		5 10 15 20 30 40 50 60		5 10 15 20 30 40 50			15 20 30 50 60 75 100	15 20 30 50 60 75 100		
■ AC INTERRUPTING CAPACITY (kA)												
JIS and JEM (sym)		220V	5	-	-	85	25	85				
		460V	2.5	-	-	50	10	25				
		600V	1.5	-	-	14	2.5	10				
NEMA (sym)		240V	5	25	85	22	85					
		480V	2.5	7.5	30	7.5	18					
		600V	1.5	2.5	14	2.5	10					
IEC 60947-2 (Icu / Ics) (sym)		230V	5/3	25/25	85/85	22	50/50					
		240V	5/3	25/25	85/85	22	50/50					
		380V	2.5/1	10/10	50/50	10	25/25					
		400V	2.5/1	10/10	50/50	10	25/25					
		415V	2.5/1	10/10	50/50	10	25/25					
■ DC INTERRUPTING CAPACITY (kA)												
JIS, JEM and NEMA		125V	5	-	7.5	-	40	-	-	-	-	
		250V	2.5	-	5	-	40	-	-	-	-	
■ TRIPPING SYSTEM												
Full Magnetic		○		○		○			○		○	
Thermal Magnetic (non-adjustable)		-		-		-			-		-	
Thermal Magnetic (magnetic trip adjustable)		-		-		-			-		-	
With Short Time Delay		-		-		-			-		-	
■ APPLICABILITY OF VARIOUS ACCESSORIES												
Interior Accessories	Undervoltage Trip	UVT	-	-	-	○	○	-	○			
	Shunt Trip	SHT	○	○	○	○	○	○				
	Alarm Switch	AL-1C	○	○	○	○	○	○				
		AL-2C	-	-	-	-	-	-				
	Auxiliary Switch	AUX-1C	○	○	○	○	○	○				
AUX-2C		-	-	-	-	-	-					
Exterior Accessories	Rear-Connecting Studs	STB	STB-2M	STB-2M	STB-2	STB-3H (50A or less STB-2D)	STB-3J (50A or less STB-2D)					
	Rear-Connecting Bar Studs	BSD	-	-	-	-	-					
	Plug-in Mounting Base Assembly	PK	○	○	○	○	○					
	Drawout Assembly	PDK	-	-	-	-	-					
	Flush Mounting Base Assembly	(GKW)GK	○	○	○	○	○					
	Mechanical Interlock	MIW	MIW-2E	MIW-2E	MIW-3D	MIW-2C	MIW-3C					
	Motor-operating Mechanism	MMK-S	-	-	-	○	-	-				
		MMK-C	-	-	-	-	-	-				
Handle-Operating Mechanism	-	HA-108	HA-108	HA-106	HA-104	HA-106						
Terminal Cover	TMC	TMC-1	TMC-1	TMC-3C	TMC-2C	TMC-2						
Phase Separator (only for the line side)		○		●		●			○		●	