

ENGINEERING SHEET		TITLE		HITACHI FUSE FREE BREAKER		CODE	WORK CODE		
Ampere Frame (AF)		400		400		400			
Type		S-400S		F-400R		F-400GB			
Number of Poles		2※ 3		2※ 3 4		3			
Rate Current (A) (Base Ambient Temperature 40°C)		250, 300, 350, 400		250, 300, 350, 400		250, 300, 350, 400			
Rate Insulation Voltage Ui (V)		690		690		690			
Rate Impulse Withstand Voltage Uimp (kV)		8		8		8			
Rate Breaking Capacity (kA)	IEC 60947-2 (Icu/Ics)	AC690V	-	-		-			
		AC440V	36/18	50/50		65/65			
		AC415V	36/18	50/50		70/70			
		AC400V	36/18	50/50		75/75			
		AC380V	36/18	50/50		75/75			
		AC240V	50/25	100/100		100/100			
		AC230V	50/25	100/100		100/100			
		DC250V	25/13	40/40		-			
DC125V	25/13	40/40		-		40/40			
Dimension (mm)		a	140	140		185			
		b	257	257		257			
		c	103	103		103			
		d	133	133		133			
Net Weight (kg)		4.9 5.6		4.9 5.6 8.2		6.1			
Automatic Tripping Device		Thermal-Magnetic		Thermal-Magnetic		Thermal-Magnetic			
Interior Accessories	Alarm Switch (AL)	AL-1C	○	○		○			
		AL-2C	○	○		○			
	Auxiliary Switch (AUX)	AUX-1C	○	○		○			
		AUX-2C	○	○		○			
	Alarm Switch (AL) + Auxiliary Switch (AUX)	AL-1C- AUX-1C	○	○		○			
		AL-1C- AUX-2C	○	○		○			
		AL-2C- AUX-2C	○ (Cannot join TBA)	○ (Cannot join TBA)		○ (Cannot join TBA)			
	Shunt Trip (SHT)		○		○		○		
Undervoltage Trip (UVT)		○		○		○			
Terminal Block (TBA)		○		○		○			
Exterior Accessories	Rear-Connecting Stud	(STB)	-	-		-			
		(BSD)	○	○		○			
	Flush Mounting Base Assembly (GKW-STB)		-		-		-		
	Flush Mounting Base Assembly (GK-GKW-BSD)		○ (GK)		○ (GK)		○ (GK)		
	Drawout Assembly (PDK)		-		-		-		
	Plug-in Mounting Base Assembly (PK)		○		○		○		
	Mechanical Interlock (MIW)		○ (MIW-5D)		○ (MIW-5D)		○ (MIW-5D)		
	Motor-Operating Mechanism (MMK/MMK-C/MMK-S)		○ (MMK-C)		○ (MMK-C)		○ (MMK-C)		
	Lock Cover (LC)		-		-		-		
	Handle Lock (HL)		○ (HL-5)		○ (HL-5)		○ (HL-5)		
	Handle Operating Mechanism	HA	○ (HA-405)		○ (HA-405)		○ (HA-405)		
		HM	○ (HM-405)		○ (HM-405)		○ (HM-405)		
	Terminal Cover (TMC)	Front type	Std.	○ (TMC-5C)		○ (TMC-5C) ○ (TMC-5B)		○ (TMC-5C)	
			Short	-		-		-	
Long		-		-		-			
Rear type	BTC	○ (BTC-5B)		○ (BTC-5B)		○ (BTC-5B)			
IEC Rial 35 mm.		-		-		-			
Trip Button		●		●		●			
Phase Separator		●		●		●			
<b>Note :</b>									
○ = Option									
● = Standard									
※ = 2 Pole mark with(※) supplied in 3 pole units.									
Reference : DWG JP No. 43064771, 33059398, 33059418, 43067377.									
SYM.	REVISION			DATE	REVD.	CHKD.	APPD.		
DWN.	O.SITTICHAJ		12/6/2020	 <b>HITACHI</b> Hitachi Industrial Technology (Thailand),Ltd.		HITT WORK DWG. NO.			
CHKD.	Ch.Chonticha		12/6/2020			4HTN001217			
APPD.	M.Somkiat		12/6/2020			SH. REV			
	S.Sugai		12/6/2020			1/1 00			