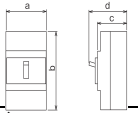


| | | | |
|--------------------------|---|------|-----------|
| ENGINEERING SHEET | TITLE HITACHI FUSE FREE BREAKER | CODE | WORK CODE |
|--------------------------|---|------|-----------|

| | | | | | | |
|---|---|------------------|------------|------------------|------------|------------|
| Ampere Frame (AF) | | 1000 | | 1200 | | |
| Type | | F-1000K | | F-1200K | | |
| Number of Poles | | 3 | 4 | 3 | 4 | |
| Rate Current (A) (Base Ambient Temperature 40°C) | | 1000 | | 1200 | | |
| Rate Insulation Voltage Ui (V) | | 690 | | 690 | | |
| Rate Impulse Withstand Voltage Uimp (kV) | | 8 | | 8 | | |
| Rate Breaking Capacity (kA) | IEC 60947-2 (Icu/Ics) | AC690V | - | - | - | |
| | | AC440V | 85/22 | 85/22 | 85/22 | |
| | | AC415V | 85/22 | 85/22 | 85/22 | |
| | | AC400V | 85/22 | 85/22 | 85/22 | |
| | | AC380V | 85/22 | 85/22 | 85/22 | |
| | | AC240V | 125/32 | 125/32 | 125/32 | |
| | | AC230V | 125/32 | 125/32 | 125/32 | |
| | | DC250V | 40/10 | - | 40/10 | - |
| DC125V | 40/10 | - | 40/10 | - | | |
| Dimension (mm) |  | a | 210 | 280 | 210 280 | |
| | | b | 410 | | 410 | |
| | | c | 150 | | 150 | |
| | | d | 190 | | 190 | |
| Net Weight (kg) | | 26 | 33 | 26 | 33 | |
| Automatic Tripping Device | | 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 | - | - | - | |
| | 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) | ○ (GK) |
| | Drawout Assembly (PDK) | | - | - | - | - |
| | Plug-in Mounting Base Assembly (PK) | | ○ | ○ | ○ | ○ |
| | Mechanical Interlock (MIW) | | ○ (MIW-8) | ○ (MIW-8) | ○ (MIW-8) | ○ (MIW-8) |
| | Motor-Operating Mechanism (MMK/MMK-C/MMK-S) | | ○ (MMK-C) | ○ (MMK-C) | ○ (MMK-C) | ○ (MMK-C) |
| | Lock Cover (LC) | | - | - | - | - |
| | Handle Lock (HL) | | ○ (HL-6B) | ○ (HL-6B) | ○ (HL-6B) | ○ (HL-6B) |
| | Handle Operating Mechanism | HA | ○ (HA-801) | ○ (HA-801) | ○ (HA-801) | ○ (HA-801) |
| | | HM | - | - | - | - |
| | Terminal Cover (TMC) | Front type | Std. | ○ (TMC-6) | ○ (TMC-6) | ○ (TMC-6) |
| | | | Short | - | - | - |
| | | | Long | - | - | - |
| | Rear type | BTC | - | - | - | |
| IEC Rial 35 mm. | | - | - | - | - | |
| Trip Button | | ● | ● | ● | ● | |
| Phase Separator | | ● | ● | ● | ● | |

Note :
○ = Option
● = Standard

Reference : DWG JP No. 43064774, 33059401, 43064795, 33059421.

| | | | | | | | |
|-------|--------------|-----------|--|------|---|-------|-----------------|
| SYM. | REVISION | | | DATE | REVD. | CHKD. | APPD. |
| DWN. | O.SITTICHAJ | 15/6/2020 | HITACHI Hitachi Industrial Technology (Thailand), Ltd. | | HITT WORK DWG. NO. 4HTN001230 | | SH. REV 1 00 |
| CHKD. | Ch.Chonticha | 15/6/2020 | | | | | |
| APPD. | M.Somkiat | 15/6/2020 | | | | | |
| | S.Sugai | 15/6/2020 | | | | | |