



## MATERIAL FACT SHEET

### 168434 AE1000-SW 4P F 1000A

#### General Data

|                     |                          |
|---------------------|--------------------------|
| Product Hierarchy   | IAN20107                 |
|                     | ACB                      |
|                     | AE-SW Body               |
| Ext. Material Group | 10 STANDARD ITEM         |
| ABC Indicator       | A (Available from Stock) |

e-shop: [https://mitsubishi-electric-eshop.mee.com/mee/FA\\_IA/EUR/en/p/000000000000168434](https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000168434)

#### FA-ACB: Air Circuit Breaker

|                                |                       |
|--------------------------------|-----------------------|
| Series                         | AE-SW SERIES          |
| Type                           | FIXED TYPE            |
| Frame Size                     | 1000                  |
| Rated Voltage (V)              | 690                   |
| Number of Poles                | 4                     |
| Current Type                   | AC                    |
| Current Range Ir (A)           | 500-1000              |
| Breaking Capacity at 500V (kA) | 65                    |
| Compliant with Standard(s)     | EN60947-2             |
| Compliant with Standard(s) (2) | IEC60947-2            |
| Compliant with Standard(s) (3) | JIS C 8201-2-1        |
| Cycles with Rated Current      | 5000                  |
| Cycles without Rated Current   | 25000                 |
| No of Auxiliary Contacts NO    | 5                     |
| No of Auxiliary Contacts NC    | 5                     |
| Internal Power Supply (V)      | 100-240 AC 100-125 DC |
| Power Consumption (W)          | 26                    |
| Automatic Tripping Device      | ELECTRONIC            |

#### Product Dimensions & Weight

|             |     |
|-------------|-----|
| Width (mm)  | 425 |
| Height (mm) | 410 |
| Depth (mm)  | 290 |
| Weight (kg) | 51  |

#### Logistic Dimensions & Gross Weight

|                   |         |
|-------------------|---------|
| Length (cm)       | 59,0    |
| Width (cm)        | 65,0    |
| Height (cm)       | 61,0    |
| Gross Weight (kg) | 67,000  |
| Volume (cdm)      | 233,935 |

#### Stock Data

|                              |     |
|------------------------------|-----|
| Planned Delivery Time (Days) | 104 |
|------------------------------|-----|

#### Life Cycle

|             |                             |
|-------------|-----------------------------|
| Sales Start | 19.03.2006                  |
| Predecessor | 129216 / AE1000-SS 4P 1000A |

#### Additional Product Information

|                  |    |
|------------------|----|
| Battery included | NO |
|------------------|----|

#### Export Data

|                                          |            |
|------------------------------------------|------------|
| Legal Control (Dual Use List)            | Not Listed |
| Country of Origin                        | Japan (JP) |
| Preference Status (Supplier Declaration) | Non EU     |

## Environmental

|                            |           |
|----------------------------|-----------|
| REACH Limit Exceeded       | NO        |
| Dangerous Goods Class      | NO        |
| Dangerous Goods Identifier | NO        |
| RoHS Compliance            | COMPLIANT |
| WEEE                       | B2B       |

## Conformity

|                    |                              |
|--------------------|------------------------------|
| CE                 | COMPLIANT                    |
| UL/cUL             | COMPLIANT                    |
| EAC                | NON-COMPLIANT                |
| Shipping Approvals | ABS, BV, CCS, DNV-GL, LR, NK |
| UKCA               | COMPLIANT                    |

## Documentation & Media Data

|                            |                                                                                                                                                                                                                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manual URL Indicator       | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=AE1000-SW%204P%20F%201000A&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=AE1000-SW%204P%20F%201000A&amp;doc-lang=en</a> |
| Certificates URL Indicator | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=AE1000-SW%204P%20F%201000A&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=AE1000-SW%204P%20F%201000A&amp;doc-lang=en</a> |
| CAD URL Indicator          | <a href="https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=AE1000-SW%204P%20F%201000A&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=AE1000-SW%204P%20F%201000A&amp;doc-lang=en</a> |

## Product Packaging

|                   |      |
|-------------------|------|
| Cardboard (g)     | 3000 |
| Other paper (g)   | 0    |
| Aluminum (g)      | 0    |
| Steel (g)         | 348  |
| Styrofoam (g)     | 0    |
| Other plastic (g) | 0    |
| Wood (g)          | 7500 |
| Glass (g)         | 0    |
| Others (g)        | 0    |

## Compatible products

| Material               | Description / Price List Text / Classification                                                      |
|------------------------|-----------------------------------------------------------------------------------------------------|
| <a href="#">168510</a> | SST-LOCK-W<br>Shutter lock (for padlock)<br>Class 100100703: FA-ACB: Mechanical Option              |
| <a href="#">168512</a> | CL-4-W<br>Cell switch 2C1T1D<br>Class 100100704: FA-ACB: Electrical Option                          |
| <a href="#">168513</a> | DF-W<br>Door frame<br>Class 100100703: FA-ACB: Mechanical Option                                    |
| <a href="#">168514</a> | MD-AD125-W<br>Motor charging device; AC/DC 100 - 125V<br>Class 100100704: FA-ACB: Electrical Option |
| <a href="#">168515</a> | MD-AD250-W<br>Motor charging device; AC/DC 200 - 250V<br>Class 100100704: FA-ACB: Electrical Option |
| <a href="#">168518</a> | MD-D024-W<br>Motor charging device; DC 24V<br>Class 100100704: FA-ACB: Electrical Option            |
| <a href="#">168519</a> | MD-D048-W<br>Motor charging device; DC 48V<br>Class 100100704: FA-ACB: Electrical Option            |
| <a href="#">168520</a> | CC-AD250-W<br>Closing coil; AC/DC 100 - 250V<br>Class 100100704: FA-ACB: Electrical Option          |
| <a href="#">168521</a> | CC-D048-W<br>Closing coil; DC 24 - 48V<br>Class 100100704: FA-ACB: Electrical Option                |
| <a href="#">168522</a> | SHT-AD250-W<br>Shunt release; AC/DC 100 - 250V<br>Class 100100704: FA-ACB: Electrical Option        |
| <a href="#">168523</a> | SHT-A500-W<br>Shunt release; AC/DC 380 - 500V<br>Class 100100704: FA-ACB: Electrical Option         |

| Material               | Description / Price List Text / Classification                                                                              |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <a href="#">168524</a> | SHT-D048-W<br>Shunt release; DC 24 - 48V<br>Class 100100704: FA-ACB: Electrical Option                                      |
| <a href="#">168526</a> | UONLABEL-W<br>Label for Under voltage trip controller<br>Class 100100704: FA-ACB: Electrical Option                         |
| <a href="#">168535</a> | TCA-AL-W<br>Trip coil (Auto reset type) with OCR alarm<br>Class 100100704: FA-ACB: Electrical Option                        |
| <a href="#">168536</a> | TCM-AL-W<br>Trip coil (Manual reset type) with OCR alarm<br>Class 100100704: FA-ACB: Electrical Option                      |
| <a href="#">168537</a> | BCL-W<br>Push button cover<br>Class 100100703: FA-ACB: Mechanical Option                                                    |
| <a href="#">168538</a> | CNT-W<br>Counter<br>Class 100100704: FA-ACB: Electrical Option                                                              |
| <a href="#">168539</a> | CYL-WK-W<br>Cylinder lock with key No. (#R0220) - Standard<br>Class 100100703: FA-ACB: Mechanical Option                    |
| <a href="#">168540</a> | CYL-WK1-W<br>Cylinder lock with key No. (#R501)<br>Class 100100703: FA-ACB: Mechanical Option                               |
| <a href="#">168541</a> | CYL-WK2-W<br>Cylinder lock with key No. (#R502)<br>Class 100100703: FA-ACB: Mechanical Option                               |
| <a href="#">168542</a> | CYL-WK3-W<br>Cylinder lock with key No. (#R503)<br>Class 100100703: FA-ACB: Mechanical Option                               |
| <a href="#">168543</a> | CYL-WK4-W<br>Cylinder lock with key No. (#R504)<br>Class 100100703: FA-ACB: Mechanical Option                               |
| <a href="#">168544</a> | CYL-NK-W<br>Castell lock without key<br>Class 100100703: FA-ACB: Mechanical Option                                          |
| <a href="#">168545</a> | DI-F-W<br>Door interlock for fixed type<br>Class 100100703: FA-ACB: Mechanical Option                                       |
| <a href="#">168547</a> | MIP-W<br>Mis insertion preventer (up to AE4000-SWA frame)<br>Class 100100703: FA-ACB: Mechanical Option                     |
| <a href="#">168548</a> | SBC-1-W<br>Shorting b-contact for 1 NC Auxiliary switch (mountable at cradle)<br>Class 100100704: FA-ACB: Electrical Option |
| <a href="#">168552</a> | WS1-W<br>Main setting module for general protection use<br>Class 100100704: FA-ACB: Electrical Option                       |
| <a href="#">168554</a> | WM1-W<br>Main setting module for generator protection use<br>Class 100100704: FA-ACB: Electrical Option                     |
| <a href="#">168556</a> | WB1-W<br>Main setting module INST/MCR only<br>Class 100100704: FA-ACB: Electrical Option                                    |
| <a href="#">168558</a> | G1-W<br>Optional setting module for ground fault protection<br>Class 100100704: FA-ACB: Electrical Option                   |
| <a href="#">168559</a> | E1-W<br>Optional setting module for earth leakage protection<br>Class 100100704: FA-ACB: Electrical Option                  |
| <a href="#">168560</a> | AP-W<br>Optional setting module for 2nd Additional Pre-alarm<br>Class 100100704: FA-ACB: Electrical Option                  |
| <a href="#">168561</a> | N5-W<br>Optional setting module for Neutral pole 50% protection<br>Class 100100704: FA-ACB: Electrical Option               |
| <a href="#">168562</a> | PW4-W<br>Power supply DC 24 - 60V with output contact<br>Class 100100704: FA-ACB: Electrical Option                         |

| Material               | Description / Price List Text / Classification                                                                                          |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">168563</a> | PW5-W<br>Power supply DC 100 - 240V with output contact<br>Class 100100704: FA-ACB: Electrical Option                                   |
| <a href="#">168564</a> | EX1-W<br>Extension module for display and interface function<br>Class 100100704: FA-ACB: Electrical Option                              |
| <a href="#">168565</a> | DP1-W<br>Display module<br>Class 100100704: FA-ACB: Electrical Option                                                                   |
| <a href="#">168566</a> | DP2-W<br>Display module onto panel board<br>Class 100100704: FA-ACB: Electrical Option                                                  |
| <a href="#">168567</a> | VT-W<br>VT unit enable to measures<br>Class 100100704: FA-ACB: Electrical Option                                                        |
| <a href="#">168570</a> | MCS-W<br>MCR Switch for MCR function<br>Class 100100704: FA-ACB: Electrical Option                                                      |
| 168571                 | BIF-CC-W<br>Interface Unit - CC-Link<br>Class 100100704: FA-ACB: Electrical Option                                                      |
| <a href="#">168573</a> | BIF-MD-W<br>Interface Unit - Modbus<br>Class 100100704: FA-ACB: Electrical Option                                                       |
| <a href="#">168574</a> | BIF-CON-W<br>I / O Unit for breaker remote control<br>Class 100100704: FA-ACB: Electrical Option                                        |
| <a href="#">168575</a> | BIF-CL-W<br>Drawout position switch for network<br>Class 100100704: FA-ACB: Electrical Option                                           |
| <a href="#">168960</a> | DUC-W<br>Dust cover IP54<br>Class 100100703: FA-ACB: Mechanical Option                                                                  |
| <a href="#">168961</a> | HAX-10-W<br>Auxiliary switch; 5a5b for high DC capacity<br>Class 100100704: FA-ACB: Electrical Option                                   |
| <a href="#">168962</a> | AX-10-W<br>Auxiliary; switch 5a5b<br>Class 100100704: FA-ACB: Electrical Option                                                         |
| <a href="#">168964</a> | MI-204F-W<br>Mech.I interlock for 4-pole fixed breakers AE1000-SW - AE1600-SW, AE2000-SWA<br>Class 100100703: FA-ACB: Mechanical Option |
| <a href="#">168971</a> | MI-IW-W<br>Wire set for among 3 breakers<br>Class 100100703: FA-ACB: Mechanical Option                                                  |
| <a href="#">168972</a> | TTC-F-W<br>Terminalcover - transparent for control terminal<br>Class 100100703: FA-ACB: Mechanical Option                               |
| <a href="#">168974</a> | SST-204-W<br>Safety shutter for AE1000-1600-SW, AE2000-SWA 4-poles<br>Class 100100703: FA-ACB: Mechanical Option                        |
| <a href="#">168977</a> | TJ-W<br>Test jumper<br>Class 100100704: FA-ACB: Electrical Option                                                                       |
| <a href="#">168978</a> | VTA-02-W<br>Vertical terminal adapter for AE1000-SW - AE1600-SW (1 pcs.)<br>Class 100100704: FA-ACB: Electrical Option                  |
| <a href="#">168985</a> | PW3-W<br>Power supply AC 100-240V / DC 100-125V with output contact<br>Class 100100704: FA-ACB: Electrical Option                       |
| <a href="#">168987</a> | NCT-10-W<br>Current transformer for neutral pole; 1000A<br>Class 100100704: FA-ACB: Electrical Option                                   |
| <a href="#">168997</a> | ZT-15B-W<br>Zero phase Current transformer for transformer ground wire 15mm diameter<br>Class 100100704: FA-ACB: Electrical Option      |
| <a href="#">168998</a> | ZT-30B-W<br>Zero phase Current transformer for transformer ground wire 30mm diameter<br>Class 100100704: FA-ACB: Electrical Option      |

| Material               | Description / Price List Text / Classification                                                                                              |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">168999</a> | ZT-40B-W<br>Zero phase Current transformer for transformer ground wire 40mm diameter<br>Class 100100704: FA-ACB: Electrical Option          |
| <a href="#">169000</a> | ZT-60B-W<br>Zero phase Current transformer for transformer ground wire 60mm diameter<br>Class 100100704: FA-ACB: Electrical Option          |
| <a href="#">169001</a> | ZT-80B-W<br>Zero phase Current transformer for transformer ground wire 80mm diameter<br>Class 100100704: FA-ACB: Electrical Option          |
| <a href="#">169002</a> | ZT-100B-W<br>Zero phase Current transformer for transformer ground wire 100mm diameter<br>Class 100100704: FA-ACB: Electrical Option        |
| <a href="#">169332</a> | FTA-164F-W<br>Front terminal adapter set for AE1000-SW - 1600-SW 4-pole fixed type (8 pcs.)<br>Class 100100703: FA-ACB: Mechanical Option   |
| <a href="#">169338</a> | FTA-164D-W<br>Front terminal adapter set for AE1000-SW - 1600-SW 4-pole drawout type (8 pcs.)<br>Class 100100703: FA-ACB: Mechanical Option |
| <a href="#">170079</a> | CRD164-W<br>Cradle with horizontal connections for AE1000-1600-SW 4 poles<br>Class 100100703: FA-ACB: Mechanical Option                     |
| <a href="#">202337</a> | SBC-2-W<br>Shorting b-contact for 2 NC Auxiliary switch (mountable at cradle)<br>Class 100100704: FA-ACB: Electrical Option                 |
| <a href="#">202338</a> | SBC-3-W<br>Shorting b-contact for 3 NC Auxiliary switch (mountable at cradle)<br>Class 100100704: FA-ACB: Electrical Option                 |
| 202340                 | SBC-5-W<br>Shorting b-contact for 5 NC Auxiliary switch (mountable at cradle)<br>Class 100100704: FA-ACB: Electrical Option                 |
| <a href="#">203340</a> | UCON-A240A-W(INST)<br>Controller; AC 200 - 240V Inst. trip (Time delay adj.), a-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">203341</a> | UCON-D024B-W(INST)<br>Controller; DC 24V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option              |
| <a href="#">203342</a> | UCON-D048B-W(INST)<br>Controller; DC 48V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option              |
| <a href="#">203343</a> | UCON-D110B-W(INST)<br>Controller; DC 100 - 110V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">203344</a> | UCON-D125B-W(INST)<br>Controller; DC 120 - 125V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">203345</a> | UCON-D250B-W(INST)<br>Controller; DC 220 - 250V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">203346</a> | UCON-A120B-W(INST)<br>Controller; AC 100 - 120V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">203347</a> | UCON-A240B-W(INST)<br>Controller; AC 200 - 240V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">203348</a> | UCON-A460B-W(INST)<br>Controller; AC 380 - 460V Inst. trip (Time delay adj.), b-contact<br>Class 100100704: FA-ACB: Electrical Option       |
| <a href="#">233426</a> | Y-2005<br>Portable tester unit to check of tripmechanism and relay adjustment<br>Class 100100704: FA-ACB: Electrical Option                 |
| <a href="#">588205</a> | UCON-A460A-W(INST)<br>Controller; AC 380 - 460V Inst. trip (Time delay adj.), a-contact<br>Class 100100704: FA-ACB: Electrical Option       |