



## MATERIAL FACT SHEET

### 168437 AE1600-SW 3P F 1600A

#### General Data

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

e-shop: <https://emea-fa.mitsubishielectric.com/fa/shop/material-page/00000000000168437>

#### FA-ACB: Air Circuit Breaker

Series	AE-SW SERIES
Type	FIXED TYPE
Frame Size	1600
Rated Voltage (V)	690
Number of Poles	3
Rated Current (A)	1600
Current Type	AC
Current Range I <sub>r</sub> (A)	800-1600
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)	41
Automatic Tripping Device	ELECTRONIC

#### Product Dimensions & Weight

Width (mm)	340
Height (mm)	410
Depth (mm)	290
Weight (kg)	42

#### Logistic Dimensions & Gross Weight

Length (cm)	53,0
Width (cm)	60,0
Height (cm)	58,0
Gross Weight (kg)	45,000
Volume (cdm)	184,440

#### Stock Data

Planned Delivery Time (Days)	153
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#### Life Cycle

Sales Start	19.03.2006
Predecessor	No Predecessor

#### Additional Product Information

Battery included	NO
Product Code	MCCB,MCB(FUKUYAMA)

#### Export Data

Commodity Code	85365080
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Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

### Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	<a href="#">10141-05-6</a>
REACH Substance CAS Number (2)	<a href="#">108-78-1</a>
REACH Substance CAS Number (3)	<a href="#">127-19-5</a>
REACH Substance CAS Number (4)	<a href="#">13560-89-9</a>
REACH Substance CAS Number (5)	<a href="#">140-66-9</a>
REACH Substance CAS Number (6)	<a href="#">25154-52-3</a>
REACH Substance CAS Number (7)	<a href="#">540-97-6</a>
REACH Substance CAS Number (8)	<a href="#">541-02-6</a>
REACH Substance CAS Number (9)	<a href="#">556-67-2</a>
REACH Substance CAS Number (10)	<a href="#">71868-10-5</a>
REACH Substance CAS Number (11)	<a href="#">7439-92-1</a>
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

### Conformity

CE	COMPLIANT
UL/cUL	NON-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=AE1600-SW%203P%20F%201600A&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=bltdae25c2bd5f2ff94&amp;q=AE1600-SW%203P%20F%201600A&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=AE1600-SW%203P%20F%201600A&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt8050dd1408c11cc2&amp;q=AE1600-SW%203P%20F%201600A&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=AE1600-SW%203P%20F%201600A&amp;doc-lang=en">https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&amp;doc-cats=blt26ecc97a31a841c1&amp;q=AE1600-SW%203P%20F%201600A&amp;doc-lang=en</a>

### Product Packaging

Cardboard (g)	2500
Other paper (g)	0
Aluminum (g)	0
Steel (g)	348
Styrofoam (g)	0
Other plastic (g)	0
Wood (g)	7000
Glass (g)	0
Others (g)	0

### Compatible products

Material	Description / Price List Text / Classification
<a href="#">168510</a>	SST-LOCK-W Shutter lock (for padlock) Class 100100703: FA-ACB: Mechanical Option
<a href="#">168512</a>	CL-4-W Cell switch 2C1T1D Class 100100704: FA-ACB: Electrical Option
<a href="#">168513</a>	DF-W Door frame Class 100100703: FA-ACB: Mechanical Option
<a href="#">168514</a>	MD-AD125-W Motor charging device; AC/DC 100 - 125V Class 100100704: FA-ACB: Electrical Option
<a href="#">168515</a>	MD-AD250-W Motor charging device; AC/DC 200 - 250V Class 100100704: FA-ACB: Electrical Option
168518	MD-D024-W Motor charging device; DC 24V Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
<a href="#">168519</a>	MD-D048-W Motor charging device; DC 48V Class 100100704: FA-ACB: Electrical Option
<a href="#">168520</a>	CC-AD250-W Closing coil; AC/DC 100 - 250V Class 100100704: FA-ACB: Electrical Option
<a href="#">168521</a>	CC-D048-W Closing coil; DC 24 - 48V Class 100100704: FA-ACB: Electrical Option
<a href="#">168522</a>	SHT-AD250-W Shunt release; AC/DC 100 - 250V Class 100100704: FA-ACB: Electrical Option
<a href="#">168523</a>	SHT-A500-W Shunt release; AC/DC 380 - 500V Class 100100704: FA-ACB: Electrical Option
<a href="#">168524</a>	SHT-D048-W Shunt release; DC 24 - 48V Class 100100704: FA-ACB: Electrical Option
<a href="#">168526</a>	UCONLABEL-W Label for Under voltage trip controller Class 100100704: FA-ACB: Electrical Option
<a href="#">168535</a>	TCA-AL-W Trip coil (Auto reset type) with OCR alarm Class 100100704: FA-ACB: Electrical Option
<a href="#">168536</a>	TCM-AL-W Trip coil (Manual reset type) with OCR alarm Class 100100704: FA-ACB: Electrical Option
<a href="#">168537</a>	BCL-W Push button cover Class 100100703: FA-ACB: Mechanical Option
<a href="#">168538</a>	CNT-W Counter Class 100100704: FA-ACB: Electrical Option
<a href="#">168539</a>	CYL-WK-W Cylinder lock with key No. (#R0220) - Standard Class 100100703: FA-ACB: Mechanical Option
<a href="#">168540</a>	CYL-WK1-W Cylinder lock with key No. (#R501) Class 100100703: FA-ACB: Mechanical Option
<a href="#">168541</a>	CYL-WK2-W Cylinder lock with key No. (#R502) Class 100100703: FA-ACB: Mechanical Option
<a href="#">168542</a>	CYL-WK3-W Cylinder lock with key No. (#R503) Class 100100703: FA-ACB: Mechanical Option
<a href="#">168543</a>	CYL-WK4-W Cylinder lock with key No. (#R504) Class 100100703: FA-ACB: Mechanical Option
<a href="#">168544</a>	CYL-NK-W Castell lock without key Class 100100703: FA-ACB: Mechanical Option
<a href="#">168545</a>	DI-F-W Door interlock for fixed type Class 100100703: FA-ACB: Mechanical Option
<a href="#">168547</a>	MIP-W Mis insertion preventer (up to AE4000-SWA frame) Class 100100703: FA-ACB: Mechanical Option
<a href="#">168548</a>	SBC-1-W Shorting b-contact for 1 NC Auxiliary switch (mountable at cradle) Class 100100704: FA-ACB: Electrical Option
<a href="#">168552</a>	WS1-W Main setting module for general protection use Class 100100704: FA-ACB: Electrical Option
<a href="#">168554</a>	WM1-W Main setting module for generator protection use Class 100100704: FA-ACB: Electrical Option
<a href="#">168558</a>	G1-W Optional setting module for ground fault protection Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
<a href="#">168559</a>	E1-W Optional setting module for earth leakage protection Class 100100704: FA-ACB: Electrical Option
<a href="#">168560</a>	AP-W Optional setting module for 2nd Additional Pre-alarm Class 100100704: FA-ACB: Electrical Option
<a href="#">168561</a>	N5-W Optional setting module for Neutral pole 50% protection Class 100100704: FA-ACB: Electrical Option
<a href="#">168562</a>	PW4-W Power supply DC 24 - 60V with output contact Class 100100704: FA-ACB: Electrical Option
<a href="#">168563</a>	PW5-W Power supply DC 100 - 240V with output contact Class 100100704: FA-ACB: Electrical Option
<a href="#">168564</a>	EX1-W Extension module for display and interface function Class 100100704: FA-ACB: Electrical Option
<a href="#">168565</a>	DP1-W Display module Class 100100704: FA-ACB: Electrical Option
<a href="#">168566</a>	DP2-W Display module onto panel board Class 100100704: FA-ACB: Electrical Option
<a href="#">168567</a>	VT-W VT unit enable to measures Class 100100704: FA-ACB: Electrical Option
<a href="#">168570</a>	MCS-W MCR Switch for MCR function Class 100100704: FA-ACB: Electrical Option
<a href="#">168573</a>	BIF-MD-W Interface Unit - Modbus Class 100100704: FA-ACB: Electrical Option
<a href="#">168574</a>	BIF-CON-W I / O Unit for breaker remote control Class 100100704: FA-ACB: Electrical Option
<a href="#">168575</a>	BIF-CL-W Drawout position switch for network Class 100100704: FA-ACB: Electrical Option
<a href="#">168960</a>	DUC-W Dust cover IP54 Class 100100703: FA-ACB: Mechanical Option
<a href="#">168961</a>	HAX-10-W Auxiliary switch; 5a5b for high DC capacity Class 100100704: FA-ACB: Electrical Option
<a href="#">168962</a>	AX-10-W Auxiliary; switch 5a5b Class 100100704: FA-ACB: Electrical Option
<a href="#">168963</a>	MI-203F-W Mech.I interlock for 3-pole fixed breakers AE1000-SW - AE1600-SW, AE2000-SWA Class 100100703: FA-ACB: Mechanical Option
<a href="#">168971</a>	MI-IW-W Wire set for among 3 breakers Class 100100703: FA-ACB: Mechanical Option
<a href="#">168972</a>	TTC-F-W Terminalcover - transparent for control terminal Class 100100703: FA-ACB: Mechanical Option
<a href="#">168973</a>	SST-203-W Safety shutter for AE1000-1600-SW, AE2000-SWA 3-poles Class 100100703: FA-ACB: Mechanical Option
<a href="#">168977</a>	TJ-W Test jumper Class 100100704: FA-ACB: Electrical Option
<a href="#">168978</a>	VTA-02-W Vertical terminal adapter for AE1000-SW - AE1600-SW (1 pcs.) Class 100100704: FA-ACB: Electrical Option
<a href="#">168985</a>	PW3-W Power supply AC 100-240V / DC 100-125V with output contact Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
<a href="#">168989</a>	NCT-16-W Current transformer for neutral pole; 1600A Class 100100704: FA-ACB: Electrical Option
<a href="#">168997</a>	ZT-15B-W Zero phase Current transformer for transformer ground wire 15mm diameter Class 100100704: FA-ACB: Electrical Option
<a href="#">168998</a>	ZT-30B-W Zero phase Current transformer for transformer ground wire 30mm diameter Class 100100704: FA-ACB: Electrical Option
<a href="#">168999</a>	ZT-40B-W Zero phase Current transformer for transformer ground wire 40mm diameter Class 100100704: FA-ACB: Electrical Option
<a href="#">169000</a>	ZT-60B-W Zero phase Current transformer for transformer ground wire 60mm diameter Class 100100704: FA-ACB: Electrical Option
<a href="#">169001</a>	ZT-80B-W Zero phase Current transformer for transformer ground wire 80mm diameter Class 100100704: FA-ACB: Electrical Option
<a href="#">169002</a>	ZT-100B-W Zero phase Current transformer for transformer ground wire 100mm diameter Class 100100704: FA-ACB: Electrical Option
<a href="#">169331</a>	FTA-163F-W Front terminal adapter set for AE1000-SW - 1600-SW 3-pole fixed type (6 pcs.) Class 100100703: FA-ACB: Mechanical Option
<a href="#">169333</a>	FTA-253F-W Front terminal adapter set for AE2000-SW - 2500-SW 3-pole fixed type (6 pcs.) Class 100100703: FA-ACB: Mechanical Option
<a href="#">170078</a>	CRD163-W Cradle with horizontal connections for AE1000-1600-SW 3 poles Class 100100703: FA-ACB: Mechanical Option
<a href="#">202337</a>	SBC-2-W Shorting b-contact for 2 NC Auxiliary switch (mountable at cradle) Class 100100704: FA-ACB: Electrical Option
<a href="#">202338</a>	SBC-3-W Shorting b-contact for 3 NC Auxiliary switch (mountable at cradle) Class 100100704: FA-ACB: Electrical Option
202340	SBC-5-W Shorting b-contact for 5 NC Auxiliary switch (mountable at cradle) Class 100100704: FA-ACB: Electrical Option
<a href="#">203340</a>	UCON-A240A-W(INST) Controller; AC 200 - 240V Inst. trip (Time delay adj.), a-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203341</a>	UCON-D024B-W(INST) Controller; DC 24V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203342</a>	UCON-D048B-W(INST) Controller; DC 48V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203343</a>	UCON-D110B-W(INST) Controller; DC 100 - 110V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203344</a>	UCON-D125B-W(INST) Controller; DC 120 - 125V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
203345	UCON-D250B-W(INST) Controller; DC 220 - 250V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203346</a>	UCON-A120B-W(INST) Controller; AC 100 - 120V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203347</a>	UCON-A240B-W(INST) Undervoltage Trip Device; AC200-240V; Inst. trip (Time delay adj.); b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">203348</a>	UCON-A460B-W(INST) Controller; AC 380 - 460V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
<a href="#">233426</a>	Y-2005 Portable tester unit to check of tripmechanism and relay adjustment Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
<a href="#">588205</a>	UCON-A460A-W(INST) Controller; AC 380 - 460V Inst. trip (Time delay adj.), a-contact Class 100100704: FA-ACB: Electrical Option