



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://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000168437

FA-ACB: Air Circuit Breaker

Series	AE-SW SERIES
Type	FIXED TYPE
Frame Size	1600
Rated Voltage (V)	690
Number of Poles	3
Current Type	AC
Current Range Ir (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)	104
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Life Cycle

Sales Start	19.03.2006
Predecessor	No Predecessor

Additional Product Information

Battery included	NO
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Export Data

Commodity Code	85365080
Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)

Preference Status (Supplier Declaration)	Non EU
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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	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=AE1600-SW%203P%20F%201600A&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=AE1600-SW%203P%20F%201600A&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=AE1600-SW%203P%20F%201600A&doc-lang=en

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
168510	SST-LOCK-W Shutter lock (for padlock) Class 100100703: FA-ACB: Mechanical Option
168512	CL-4-W Cell switch 2C1T1D Class 100100704: FA-ACB: Electrical Option
168513	DF-W Door frame Class 100100703: FA-ACB: Mechanical Option
168514	MD-AD125-W Motor charging device; AC/DC 100 - 125V Class 100100704: FA-ACB: Electrical Option
168515	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
168519	MD-D048-W Motor charging device; DC 48V Class 100100704: FA-ACB: Electrical Option
168520	CC-AD250-W Closing coil; AC/DC 100 - 250V Class 100100704: FA-ACB: Electrical Option
168521	CC-D048-W Closing coil; DC 24 - 48V Class 100100704: FA-ACB: Electrical Option
168522	SHT-AD250-W Shunt release; AC/DC 100 - 250V Class 100100704: FA-ACB: Electrical Option
168523	SHT-A500-W Shunt release; AC/DC 380 - 500V Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
168524	SHT-D048-W Shunt release; DC 24 - 48V Class 100100704: FA-ACB: Electrical Option
168526	UONLABEL-W Label for Under voltage trip controller Class 100100704: FA-ACB: Electrical Option
168535	TCA-AL-W Trip coil (Auto reset type) with OCR alarm Class 100100704: FA-ACB: Electrical Option
168536	TCM-AL-W Trip coil (Manual reset type) with OCR alarm Class 100100704: FA-ACB: Electrical Option
168537	BCL-W Push button cover Class 100100703: FA-ACB: Mechanical Option
168538	CNT-W Counter Class 100100704: FA-ACB: Electrical Option
168539	CYL-WK-W Cylinder lock with key No. (#R0220) - Standard Class 100100703: FA-ACB: Mechanical Option
168540	CYL-WK1-W Cylinder lock with key No. (#R501) Class 100100703: FA-ACB: Mechanical Option
168541	CYL-WK2-W Cylinder lock with key No. (#R502) Class 100100703: FA-ACB: Mechanical Option
168542	CYL-WK3-W Cylinder lock with key No. (#R503) Class 100100703: FA-ACB: Mechanical Option
168543	CYL-WK4-W Cylinder lock with key No. (#R504) Class 100100703: FA-ACB: Mechanical Option
168544	CYL-NK-W Castell lock without key Class 100100703: FA-ACB: Mechanical Option
168545	DI-F-W Door interlock for fixed type Class 100100703: FA-ACB: Mechanical Option
168547	MIP-W Mis insertion preventer (up to AE4000-SWA frame) Class 100100703: FA-ACB: Mechanical Option
168548	SBC-1-W Shorting b-contact for 1 NC Auxiliary switch (mountable at cradle) Class 100100704: FA-ACB: Electrical Option
168552	WS1-W Main setting module for general protection use Class 100100704: FA-ACB: Electrical Option
168554	WM1-W Main setting module for generator protection use Class 100100704: FA-ACB: Electrical Option
168558	G1-W Optional setting module for ground fault protection Class 100100704: FA-ACB: Electrical Option
168559	E1-W Optional setting module for earth leakage protection Class 100100704: FA-ACB: Electrical Option
168560	AP-W Optional setting module for 2nd Additional Pre-alarm Class 100100704: FA-ACB: Electrical Option
168561	N5-W Optional setting module for Neutral pole 50% protection Class 100100704: FA-ACB: Electrical Option
168562	PW4-W Power supply DC 24 - 60V with output contact Class 100100704: FA-ACB: Electrical Option
168563	PW5-W Power supply DC 100 - 240V with output contact Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
168564	EX1-W Extension module for display and interface function Class 100100704: FA-ACB: Electrical Option
168565	DP1-W Display module Class 100100704: FA-ACB: Electrical Option
168566	DP2-W Display module onto panel board Class 100100704: FA-ACB: Electrical Option
168567	VT-W VT unit enable to measures Class 100100704: FA-ACB: Electrical Option
168570	MCS-W MCR Switch for MCR function Class 100100704: FA-ACB: Electrical Option
168571	BIF-CC-W Interface Unit - CC-Link Class 100100704: FA-ACB: Electrical Option
168573	BIF-MD-W Interface Unit - Modbus Class 100100704: FA-ACB: Electrical Option
168574	BIF-CON-W I / O Unit for breaker remote control Class 100100704: FA-ACB: Electrical Option
168575	BIF-CL-W Drawout position switch for network Class 100100704: FA-ACB: Electrical Option
168960	DUC-W Dust cover IP54 Class 100100703: FA-ACB: Mechanical Option
168961	HAX-10-W Auxiliary switch; 5a5b for high DC capacity Class 100100704: FA-ACB: Electrical Option
168962	AX-10-W Auxiliary; switch 5a5b Class 100100704: FA-ACB: Electrical Option
168963	MI-203F-W Mech.I interlock for 3-pole fixed breakers AE1000-SW - AE1600-SW, AE2000-SWA Class 100100703: FA-ACB: Mechanical Option
168971	MI-IW-W Wire set for among 3 breakers Class 100100703: FA-ACB: Mechanical Option
168972	TTC-F-W Terminalcover - transparent for control terminal Class 100100703: FA-ACB: Mechanical Option
168973	SST-203-W Safety shutter for AE1000-1600-SW, AE2000-SWA 3-poles Class 100100703: FA-ACB: Mechanical Option
168977	TJ-W Test jumper Class 100100704: FA-ACB: Electrical Option
168978	VTA-02-W Vertical terminal adapter for AE1000-SW - AE1600-SW (1 pcs.) Class 100100704: FA-ACB: Electrical Option
168985	PW3-W Power supply AC 100-240V / DC 100-125V with output contact Class 100100704: FA-ACB: Electrical Option
168989	NCT-16-W Current transformer for neutral pole; 1600A Class 100100704: FA-ACB: Electrical Option
168997	ZT-15B-W Zero phase Current transformer for transformer ground wire 15mm diameter Class 100100704: FA-ACB: Electrical Option
168998	ZT-30B-W Zero phase Current transformer for transformer ground wire 30mm diameter Class 100100704: FA-ACB: Electrical Option
168999	ZT-40B-W Zero phase Current transformer for transformer ground wire 40mm diameter Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
169000	ZT-60B-W Zero phase Current transformer for transformer ground wire 60mm diameter Class 100100704: FA-ACB: Electrical Option
169001	ZT-80B-W Zero phase Current transformer for transformer ground wire 80mm diameter Class 100100704: FA-ACB: Electrical Option
169002	ZT-100B-W Zero phase Current transformer for transformer ground wire 100mm diameter Class 100100704: FA-ACB: Electrical Option
169331	FTA-163F-W Front terminal adapter set for AE1000-SW - 1600-SW 3-pole fixed type (6 pcs.) Class 100100703: FA-ACB: Mechanical Option
169333	FTA-253F-W Front terminal adapter set for AE2000-SW - 2500-SW 3-pole fixed type (6 pcs.) Class 100100703: FA-ACB: Mechanical Option
170078	CRD163-W Cradle with horizontal connections for AE1000-1600-SW 3 poles Class 100100703: FA-ACB: Mechanical Option
202337	SBC-2-W Shorting b-contact for 2 NC Auxiliary switch (mountable at cradle) Class 100100704: FA-ACB: Electrical Option
202338	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
203340	UCON-A240A-W(INST) Controller; AC 200 - 240V Inst. trip (Time delay adj.), a-contact Class 100100704: FA-ACB: Electrical Option
203341	UCON-D024B-W(INST) Controller; DC 24V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
203342	UCON-D048B-W(INST) Controller; DC 48V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
203343	UCON-D110B-W(INST) Controller; DC 100 - 110V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
203344	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
203346	UCON-A120B-W(INST) Controller; AC 100 - 120V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
203347	UCON-A240B-W(INST) Controller; AC 200 - 240V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
203348	UCON-A460B-W(INST) Controller; AC 380 - 460V Inst. trip (Time delay adj.), b-contact Class 100100704: FA-ACB: Electrical Option
233426	Y-2005 Portable tester unit to check of tripmechanism and relay adjustment Class 100100704: FA-ACB: Electrical Option
598205	UCON-A460A-W(INST) Controller; AC 380 - 460V Inst. trip (Time delay adj.), a-contact Class 100100704: FA-ACB: Electrical Option