



MATERIAL FACT SHEET

168438 AE1600-SW 4P 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/000000000000168438

FA-ACB: Air Circuit Breaker

Series	AE-SW SERIES
Type	FIXED TYPE
Frame Size	1600
Rated Voltage (V)	690
Number of Poles	4
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)	425
Height (mm)	410
Depth (mm)	290
Weight (kg)	52

Logistic Dimensions & Gross Weight

Length (cm)	61,0
Width (cm)	67,0
Height (cm)	62,0
Gross Weight (kg)	67,000
Volume (cdm)	253,394

Stock Data

Planned Delivery Time (Days)	104
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Life Cycle

Sales Start	19.03.2006
Predecessor	129222 / AE1600-SS 4P 1600A

Additional Product Information

Battery included	NO
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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	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=AE1600-SW%204P%20F%201600A&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=AE1600-SW%204P%20F%201600A&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=AE1600-SW%204P%20F%201600A&doc-lang=en

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
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
168964	MI-204F-W Mech.I interlock for 4-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
168974	SST-204-W Safety shutter for AE1000-1600-SW, AE2000-SWA 4-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
169332	FTA-164F-W Front terminal adapter set for AE1000-SW - 1600-SW 4-pole fixed type (8 pcs.) Class 100100703: FA-ACB: Mechanical Option
169334	FTA-254F-W Front terminal adapter set for AE2000-SW - 2500-SW 4-pole fixed type (8 pcs.) Class 100100703: FA-ACB: Mechanical Option
170079	CRD164-W Cradle with horizontal connections for AE1000-1600-SW 4 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