



MATERIAL FACT SHEET

168446 AE2500-SW 4P F 2500A

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/000000000000168446

FA-ACB: Air Circuit Breaker

Series	AE-SW SERIES
Type	FIXED TYPE
Frame Size	2500
Rated Voltage (V)	690
Number of Poles	4
Current Type	AC
Current Range Ir (A)	1250-2500
Breaking Capacity at 500V (kA)	85
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	1500
Cycles without Rated Current	20000
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)	50
Automatic Tripping Device	ELECTRONIC

Product Dimensions & Weight

Width (mm)	605
Height (mm)	410
Depth (mm)	290
Weight (kg)	73

Logistic Dimensions & Gross Weight

Length (cm)	58,0
Width (cm)	80,0
Height (cm)	62,0
Gross Weight (kg)	90,000
Volume (cdm)	287,680

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

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=AE2500-SW%204P%20F%202500A&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=AE2500-SW%204P%20F%202500A&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=AE2500-SW%204P%20F%202500A&doc-lang=en

Product Packaging

Cardboard (g)	5000
Other paper (g)	0
Aluminum (g)	0
Steel (g)	348
Styrofoam (g)	0
Other plastic (g)	0
Wood (g)	9800
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
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
168966	MI-404F-W Mech.I interlock for 4-pole fixed breakers AE2000-SW - AE3200-SW, AE4000-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
168976	SST-404-W Safety shutter for AE2000-3200-SW, AE4000-SWA 4-poles Class 100100703: FA-ACB: Mechanical Option
168977	TJ-W Test jumper Class 100100704: FA-ACB: Electrical Option
168979	VTA-03-W Vertical terminal adapter for AE2000-SW - AE2500-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
168991	NCT-25-W Current transformer for neutral pole; 2500A 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
169000	ZT-60B-W Zero phase Current transformer for transformer ground wire 60mm diameter Class 100100704: FA-ACB: Electrical Option

Material	Description / Price List Text / Classification
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
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
169340	FTA-254D-W Front terminal adapter set for AE2000-SW - 2500-SW 4-pole drawout type (8 pcs.) Class 100100703: FA-ACB: Mechanical Option
170081	CRD324-W Cradle with horizontal connections for AE3200-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
588205	UCON-A460A-W(INST) Controller; AC 380 - 460V Inst. trip (Time delay adj.), a-contact Class 100100704: FA-ACB: Electrical Option