

**Announcement of discontinued production**

We would like to inform you of the discontinued products as below.

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**1. Already discontinued products**

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**2. Discontinue products in 2007**

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# 1. Already discontinued products

## ¥ Relays

Products name	Types		Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy
DS2Y relay 	All types		DS2Y-S- DS2Y-SL2-	DS2 relays	DS2E-S- DS2E-SL2-	Less needs caused by decreasing demand	End of May 2006
HD relays 	All types		HD1-	HY relays	HY1-	Less needs caused by decreasing demand	End of May 2006
NL relays 	All types		NL6-	None		Less needs caused by decreasing demand	End of May 2006
HP bracket HP insertion plate for PC board			AW5800 AW5803	None		Less needs caused by decreasing demand	End of May 2006
JR relays 	High capacity 16 A DC type	PC board type	JR1aF-	LE relays PC board type	ALE15○○○ ALE75○○○	Less needs caused by decreasing demand	End of May 2006
		TMP type	JR1aF-TMP-	LE relays TMP type	ALE12○○○ ALE13○○○ ALE14○○○ ALE72○○○ ALE73○○○ ALE74○○○	Less needs caused by decreasing demand	End of May 2006
		TM type	JR1aF-TM-		AHN36○○○	Less needs caused by decreasing demand	End of Sep. 2006
	10A AC type	TM type	JR1a-TM-	HN relays TM type	AHN35○○○	Less needs caused by decreasing demand	End of Sep. 2006
JH relays 	2 coil latching type (1 Form A)		JH1a-L2-	DQ relays 2 coil latching type (1 Form A)	ADQ2○○○	Less needs caused by decreasing demand	End of May 2006
	Except 2 coil latching type (1 Form A)		JH3a-W- JH2a1b-W- JH2a-L2- JH3a-L2-	None		Less needs caused by decreasing demand	End of May 2006

\*Special order products related to the above products are scheduled to be discontinued at the same time.

## ≠ Relays

Products name	Types	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy									
PC relays 	All types	PC1a-	PQ relays	PQ1a- Size:20 × 9.9 × 12.8 (H) (PC relay)  Size:20 × 10 × 16.0 (H) (PQ relay)	Less needs caused by decreasing demand	End of Mar. 2006									
EV relays 	30A	AEV130〇〇	80 A type EV relay	AEV180〇〇	Less needs caused by decreasing demand and because it is possible to switch to the EV relay successor model (80 A type)	End of Oct. 2006									
60A	AEV160〇〇						150A	AEV15〇〇〇 (1 Form A type) AEV25〇〇〇 (2 Form A type)	300 A type EV relay	AEV190〇〇 (1 Form A type)	Less needs caused by decreasing demand and because it is possible to switch to the EV relay successor model (300 A type)	End of Oct. 2006	EP relays 	150A	AEP15〇〇〇 (1 Form A type) AEP25〇〇〇 (2 Form A type)
	150A	AEV15〇〇〇 (1 Form A type) AEV25〇〇〇 (2 Form A type)	300 A type EV relay	AEV190〇〇 (1 Form A type)	Less needs caused by decreasing demand and because it is possible to switch to the EV relay successor model (300 A type)	End of Oct. 2006									
EP relays 	150A	AEP15〇〇〇 (1 Form A type) AEP25〇〇〇 (2 Form A type)	300 A type EP relay (1 Form A)	AEP190〇〇 (1 Form A type)	Less needs caused by decreasing demand and because it is possible to switch to the EP relay successor model (300 A type)	End of Oct. 2006									

Special order products related to the above products are scheduled to be discontinued at the same time.

• Snap-action and Detection switches

Products name	Old part no.	Operating force	Substituted products name and part no.		Reason and remarks	Last time buy
AM5 (QV) switches 6A type (O.F. 0.98N, 1.96N, 2.94N and 3.92N) 	AM50600004	0.98N	QV (AM5) switches 11A type (O.F. type)	AM51100004N	Less needs caused by decreasing demand. However, 6A type O.F. 0.49N model will remain.	End of Sep. 2006
	AM50600005	1.96N	QV (AM5) switches 16A type (O.F. type)	AM51600005N		
	AM50600006	2.94N	QV (AM5) switches 16A type (O.F. type)	AM51600006N		
	AM50600007	3.92N	QV (AM5) switches 16A type (O.F. type)	AM51600007N		
AH7 (NV) switches standard (Not heat resistant) type 	AH700003	0.49N	AH7 (NV) switches heat resistant type (same O.F. type)	AH70000356F	AM50600003	
	AH700004	0.98N		AH70000456F	AM51100004N	
	AH700005	1.96N		AH70000555F	AM51600005N	
	AH700006	2.94N		AH70000655F	AM51600006N	
	AH700007	3.92N		AH70000755F	AM51600007N	
	AH700008	5.88N		AH70000855F	AM51600008N	
	AH70000360	0.49N		AH70000356F	AM50600003	
	AH70000460	0.98N		AH70000456F	AM51100004N	
	AH70000560	1.96N		AH70000555F	AM51600005N	
	AH70000660	2.94N		AH70000655F	AM51600006N	
	AH70000760	3.92N		AH70000755F	AM51600007N	
	AH70000860	5.88N		AH70000855F	AM51600008N	
	AH7 (NV) switches low-level circuit type	AH70000361		0.49N	AH70000362	AM50000003
AH70000461		0.98N	AH70000462	AM50000004		
AH70000561		1.96N	AH70000562	AM50000005		
AH7 (NV) switches Solder terminal with right guard	AH701000	-	None			
AH7 (NV) switches .187 quick-connect/solder terminal with right guard	AH704000					
AH7 (NV) switches .187 quick-connect/solder terminal with left guard	AH706000					
AH7 (NV) switches wire lever type	AH700008					

Products name	Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy
AM5(QV) switches Right and left hand guarded 	AM5000000R AM5000000L	None	—	Less needs caused by decreasing demand	End of May 2006
Terminal cover for AM1(NZ) basic switches 	AA7000 AA8000	None	—		
V type rotary switches(AHR5) 	AHR500000	None	—		
ABC1(FT) switches 	ABC100000	None	—		
ABU8(New FD) switches 	ABU800000	None	—		
ABP8(FP) switches 	ABP800000	None	—		

• Connectors

Products name	Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy
Sockets for SD memory cards (molded resin on one side) 	AXA21000 AXA22000 AXA23000	Sockets for SD memory card (supports SDIO)	AXA2600 AXA2700	Switchover to product that supports SDIO	End of Mar. 2006
I/O connectors for portable equipment Receptacle and plug 	AXR71161P AXR71162P AXR72161 AXR72166	None	—	Less needs caused by decreasing demand	End of May 2006
I/O connectors for portable equipment 12 contacts, Receptacle and plug 	AXR5125 AXR5121 AXR5228 AXR5223	None	—		
μSocket series SOP IC sockets (Set that includes main unit and maintenance frame) 	AXS60000 AXS61000 AXS62000 AXS63000 AXS64000	None	—		
Connectors for FA equipment Individual packaging (Part numbers ending in "A")	BB sockets: (AXB000A) Card-edge connectors: (AXC000A) DIN connectors: (AXD1000A, AXD2000A) Low-profile headers: (AXL2000A) MIL connectors: (AXM1000A, AXM2000A) PCB type connectors: (AXP4, AXP5, AXP600A)	None	—		
Direct connectors SIL type 	AXK1000 (SIL type only)	None	—		

• Timers, Counters, Fan motors, Operation switches and Limit switches

Products name	Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy
 <p>MC counters</p>	MC6M- MC6MF- MC6K- MC6KF-	None	—	Less needs caused by decreasing demand	End of May 2006
 <p>ASF series Fan motors ASE series Fan motors</p>	ASF○○ ASE○○	Available	ASFN○○ ASEN○○	Switchover to new model	End of Dec. 2005
 <p>C1 type Light push button switches</p>	AC1○○○○○	None	—	Discontinued electronic parts	End of Mar. 2006
 <p>Ø25 series operation switches</p>	AC6○○○ AC7○○○ AL6○○○	None	—	Less needs caused by decreasing demand	End of Dec. 2006
 <p>Ø30 series operation switches</p>	AC6○○○ AC7○○○ AL6○○○	None	—	Less needs caused by decreasing demand	End of Dec. 2006
 <p>Pilot light ace</p>	AL5○○○○ AL8○○○○	None	—	Less needs caused by decreasing demand	End of Dec. 2006
 <p>Slit type Limit switches (AZ6)</p>	AZ61○○ AZ62○○	Available	ML (AZ7) Limit switches AZ7○○○	Less needs caused by decreasing demand	End of Mar. 2006

• Message Runner and Eco-POWER METER

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Message creation software for Message Runner	AKP3815○ AKP3816○○ AKP3810○ AKP3820○○	Chinese Korean Taiwanese } None For other than the above, please download the free-of-charge message creation software.	—	Due to availability of free-of-charge download	End of May 2006
Data collection software for Eco-POWER METER	AKW4805	Please download the free-of-charge KW Monitor.	—	Due to availability of free-of-charge download	End of May 2006

• PLC (Programmable Controllers)

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Programmable controllers	Please see following page.				
MEWTOCOL OPC Server 	AFPS01110 AFPS01115 AFPS01116 AFPS01510 AFPS01515 AFPS01516	None	None	Less needs caused by decreasing demand	End of May 2006

• Programmable Displays

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Programmable Displays GT10 	AIGT1000B AIGT1000H (Options for GT10) AIGT180 AIGT183	GT11	AIGT2030B AIGT2030H	Discontinued electronic parts, decreasing demand and release of new products	End of May 2006

• Impulse heat controller

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Impulse heat controller 	AAD01010	Upward compatible impulse heat controller	AAD010100	Because, being upward compatible, complete replacement is possible. With clock function (includes battery)	End of May 2006

• Image processing device

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
MICRO-IMAGECHECKER AX30 	ANMX300	AX40	ANMX400	Because switch can be made to substituted product	End of May 2006
LightPix AE10 	ANE100 ANE1020 ANE1030 ANE1040	AE20	ANE2000	Because switch can be made to substituted product	End of May 2006

• **About PLCs (Programmable Controllers)**

Since their launch 17 years ago our FP Series have formed the core of our PLC line which included the highly acclaimed and widely used FP-M, FP1, FP3, and FP10SH. Since the time these products were first designed, the number of discontinued electronic components has increased over time for various reasons. Due to our long-term production planning, we have been able to maintain production and achieve stable supplies by keeping an expanded parts inventory and by producing substitute components that reflect design improvements.

However, due to parts being targeted for the elimination of environmentally harmful chemical substances, for example, to comply with the RoHS Directive, the rate that electronic components are being discontinued has accelerated. Therefore, we are in a situation that makes it extremely difficult to maintain stable supplies of the aforementioned products.

Accordingly, we regret to inform you that the products shown below will be discontinued. We ask for your understanding and that you kindly make the switch to successor products (FP0, FPΣ, FP-X, FP2 and FP2SH).

For customers who are currently using the products scheduled for discontinuation, we will continue to provide maintenance parts and repair service for a fixed period after the products are discontinued. However, in consideration that inquiries for maintenance parts may possibly exceed our anticipated volume, which could make it difficult for us to continue supplying them, we kindly ask you to also include the procurement of these parts in your overall plan.

• **PLCs (Programmable Controllers) scheduled for discontinuation**

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Programmable controller FP-M 	AFC10000 AFC20000 AFB60000	FP0 FPΣ FP-X	AFP00000 AFPG0000 AFPX0000	Reason for discontinuation: Due to discontinuation of elec- tronic components used.	End of May 2006
Programmable controller FP1 	AFP10000	FP0 FPΣ FP-X	AFP00000 AFPG0000 AFPX0000		
Programmable controller FP3 	AFP30000	FP2	AFP20000		
Programmable controller FP10SH 	AFP6221V3 AFP6211V3 AFP6221CE	FP2SH	AFP2231 AFP2235 AFP2255		
FP Programmer II 	AFP1113V2 AFP1114V2	Control FPWIN GR	AFPS10520	Discontinued electronic parts	
		Control FPWIN Pro	AFPS50540		
Data access unit 	AFP1681 AFP1682	None	None		

## 2. Discontinue products in 2007

### · Relays

Products name	Types	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
DF relays 	All types	DF2- DF2E-	TQ relays (standard terminal for PC board)	TQ2- TQ2-L- TQ2-L2-	Less needs caused by decreasing demand	End of May 2007
NC relays 	With operation display	NC2D-K- NC4D-K-	None	—	Less needs caused by decreasing demand	End of May 2007
S relay sockets	Direct panel mounting socket	S-NS	None	—	Less needs caused by decreasing demand	End of May 2007
SP relay sockets	Plug-in sockets	SP2-SS SP4-SS	None	—	Less needs caused by decreasing demand	End of May 2007
	PC board sockets	SP2-PS SP4-PS	None	—	Less needs caused by decreasing demand	End of May 2007
JC relay sockets 	All types	JC1-SSUL JC1-PSUL JC2-SSUL JC2-PSUL	None	—	Less needs caused by decreasing demand	End of May 2007
JH relay terminal sockets 	For 3 Form A	JH3-SF JH3-L2-SF	None	—	Less needs caused by decreasing demand	End of May 2007
JW relay sockets and terminal sockets  	DIN terminal socket	JW1-SFD JW2-SFD	None	—	Less needs caused by decreasing demand	End of May 2007
	Plug-in socket	JW1-SS JW2-SS	None	—	Less needs caused by decreasing demand	End of May 2007

Special order products related to the above products are scheduled to be discontinued at the same time.

• Connectors

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
I/O back connectors for PC card, Receptacle and Plug 	AXR61154 AXR62151 AXR62156	None	—	Less needs caused by decreasing demand	End of May 2007
Ultra-low profile type system connector, Receptacle (Board cutting A type, 18 and 22 contacts) 	AXR32284P AXR35374P	None	—		End of May 2007
BB sockets (Surface mounting terminal) 	AXB1○○○41	None	—		End of May 2007
Round PIN type IC sockets (Lapping terminal) 	AXS10○○5○	None	—		End of May 2007
SOP IC/QFP IC sockets (Frame set tools and Frame removal tools)	AXY81○○○ AXY87○○ AXY85○○○○ (Except the AXY87442 and AXY814442)	None	—		End of May 2007
P4 Narrow-pitch connector Header (models not supporting post edge horseshoe bend type and paper-reel) 	AXK8○○○○5YP AXK8○○○○5YL AXK8○○○○5YJ AXK8○○○○5YR AXK8○○○○5YV AXK8○○○○5YX	Available	AXK8○○○○5WG	Due to selling of post edge horseshoe bend type header for improved withstandability to crooked insertion and because of almost total lack of market need for models without the horseshoe shape. Also, for environmental protection, due to the selling of models with recyclable plastic reels and the resulting almost total lack of orders for models with paper reels.	End of May 2007
P4 Narrow-pitch connector Header (models not supporting post edge horseshoe bend type and plastic reel) 	AXK8○○○○5YG	Available	AXK8○○○○5WG	Due to selling of post edge horseshoe bend type header for improved withstandability to crooked insertion and because of almost total lack of market need for models without the horseshoe shape.	End of May 2007

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
P4 Narrow-pitch connector Socket (models not supporting Ni barrier and paper-reel) 	AXK700005P AXK700005L AXK700005J AXK700005R AXK700005V AXK700005X	Available	AXK700007G	Due to selling of successor Ni barrier model that is better at preventing solder creeping and because there is an almost total lack of orders for the models without the Ni barrier. Also, for environmental protection, due to the selling of models with recyclable plastic reels and the resulting almost total lack of orders for models with paper reels.	End of May 2007
P4 Narrow-pitch connector Socket (models not supporting Ni barrier and plastic reel) 	AXK700005G	Available	AXK700007G	Due to selling of successor Ni barrier model that is better at preventing solder creeping and because there is an almost total lack of orders for the models without the Ni barrier.	End of May 2007
F4 Narrow-pitch connector Header (models with retention fittings with fork type terminals and paper reel) 	AXK8L0000BP AXK8L0000BJ AXK8L0000BV	Available	AXK8L0000BG	For environmental protection, due to the selling of models with recyclable plastic reels and the resulting almost total lack of orders for models with paper reels.	End of May 2007
F4 Narrow-pitch connector Header (models not supporting retention fittings with fork type terminals and paper reel) 	AXK8L0000P AXK8L0000J AXK8L0000V	Available	AXK8L0000BG	Due to selling of models with retention fittings with fork type terminals in the header to prevent mating failure when there is excess solder during mounting and because of an almost total lack of orders for models without the fork type terminal. Also, for environmental protection, due to the selling of models with recyclable plastic reels and the resulting almost total lack of orders for models with paper reels.	End of May 2007
F4 Narrow-pitch connector Header (models not supporting retention fittings with fork type terminals and plastic reel) 	AXK8L0000G	Available	AXK8L0000BG	Due to selling of models with retention fittings with fork type terminals in the header to prevent mating failure when there is excess solder during mounting and because of an almost total lack of orders for models without the fork type terminal.	End of May 2007
F4 Narrow-pitch connector Socket (Paper reel) 	AXK7L0000P AXK7L0000J AXK7L0000V	Available	AXK7L0000G	For environmental protection, due to the selling of models with recyclable plastic reels and the resulting almost total lack of orders for models with paper reels.	End of May 2007
Direct type Narrow-pitch connector Socket (DIL terminal layout) 	AXK10000000	None	—	Less needs caused by decreasing demand	End of May 2007

• Limit switches

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Vertical type Limit switches 	AZ55○○○	None	—	Less needs caused by decreasing demand	End of June 2007
VL limit switches, Remote wire control plunger 	AZ8181○○○	None	—	Discontinued electronic parts	End of June 2007

• LED spot type UV Curing System

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
LED spot type UV Curing System    Request Please switch your orders to the ANUJ5012V2/5014V2.	Controller ANUJ5010	Available	ANUJ5012V2 ANUJ5014V2	Due to consolidation to the completely upward compatible V2 model that is equipped with power mode and RS232C	We will stop taking orders at the end of March 2007.  Production will stop in August 2007
	Controller ANUJ5012	Available	ANUJ5012V2	Due to consolidation to the completely upward compatible V2 model that is equipped with power mode	
	Controller ANUJ5014	Available	ANUJ5014V2		
	Head ANUJ61324C ANUJ61324	Available	ANUJ61424C ANUJ61424	We are consolidating to head block models that feature even higher UV irradiation output. The head block has been shortened by approximately 2 mm, which makes it easier to integrate.	
	Head ANUJ61325C ANUJ61325	Available	ANUJ61426C ANUJ61426		
	Head only ANUJ6130	Available	ANUJ6140	We are consolidating to head block models that feature even higher UV irradiation output. When replacing the head and lens, please use both the high output lens and head in combination. The head block has been shortened by approximately 2 mm, which makes it easier to integrate.	
	Lens only ANUJ6324	Available	ANUJ6424		
	Lens only ANUJ6324	Available	ANUJ6424		

• Image Processing Device

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
MICRO-IMAGE CHECKER PV300 	ANPV30○○ ANPV31○○	MICRO-IMAGE CHECKER PV310	ANPV0310○○○	Discontinued electronic parts	August 2007
Lens for Image Processing Device	ANB842	None	—	RoHS compliance is impossible.	when stock runs out
	ANB842L				when stock runs out
	ANM8828				August 2007
	ANM88281				when stock runs out
	ANM8804				August 2007
	ANM88041				August 2007
	ANM8808				when stock runs out
ANM88081	August 2007				

• PLC (Programmable Controllers)

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
OFENS32 Engineering version, Upgrade	AFE50571	PCWAY USB port version	AFW1003 AFW10031	Less needs caused by decreasing demand	May 2007
OFENS32 Runtime version, Upgrade	AFE50671	PCWAY USB port version	AFW1003 AFW10031	Less needs caused by decreasing demand	May 2007
PCWAY Key unit IBM printer port version	AFW1001 AFW10011 AFW1031	PCWAY USB port version	AFW1003 AFW10031 AFW1033	Due to switch to USB port to meet market need.	May 2007
Control CommX IBM printer port version	AFW2001 AFW20011	Control CommX USB port version	AFW2003 AFW20031	Due to switch to USB port to meet market need.	May 2007
Connection cable (9 pins - 9 pins)	AFB85823	Connection cable	AFB85853	Because switch can be made to substituted products	May 2007
Connection cable (9 pins - 25 pins)	AFB85833 AFB85843	None	—	Less needs caused by decreasing demand	May 2007
Connection cable (9 pins - 9 pins) for FP1 COM port	AFP85843	None	—	Discontinued the FP1 PLC	May 2007
Programmer cable	AFP1551	None	—	Discontinued the Programmer	May 2007