

**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. Discontinued products in 2006**

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# 1. Already discontinued products

## • Relays

Products name	Types			Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy				
HX relays	All types			AHX2000	TX relay	ATX2000	Less needs caused by decreasing demand Notification of this already made in Automation News of April, 2004 (T-832).	End of Feb. 2005				
JA relays   TMP    TM	TMP	AC	1c	JA1c-TMP-	(HL relays)	Please consult us	Less needs caused by decreasing demand Notification of this already made in Automation News of April, 2004 (T-832).	End of Mar. 2005				
			1a	JA1a-TMP-	(HL relays)							
			1b	JA1b-TMP-	(HL relays)							
		DC	1c	JA1c-TMP-	(HL relays)	Please consult us						
			1a	JA1a-TMP-	JM relays	JM1aN-ZTMP- (Flat type)						
					LF relays	ALF1T000 (Slim type)						
		1b	JA1b-TMP-	(HL relays)	Please consult us							
		TM	AC	1c	JA1c-TM-	HL relays			HL1-HTM-			
				1a	JA1a-TM-	HL relays			HL1-HTM-			
	1b			JA1b-TM-	HL relays	HL1-HTM-						
	DC		1c	JA1c-TM-	HL relays	HL1-HTM-						
			1a	JA1a-TM-	JM relays	JM1aN-ZTM-						
					HL relays	HL1-HTM-						
	1b		JA1b-TM-	HL relays	HL1-HTM-							
	HA relays		Dust cover	AC	1c	HA1- HA1F-			HC relays	HC1-HP (HPL)-	Less needs caused by decreasing demand Notification of this already made in Automation News of April, 2004 (T-832).	End of Mar. 2005
									NC relays	NC2D-P- (Slim type)		
		NC2D-JP- (Flat type)										
		DC		HA1- HA1F-		HC relays			HC1-HP (HPL)-			
NC relays						NC2D-P- (Slim type)						
						NC2D-JP- (Flat type)						
Amber		AC	1c	HA1E-	HC relays	HC1E-HP-						
					NC relays	NC2EBD-P- (Slim type)						
						NC2EBD-JP- (Flat type)						
		DC		HA1E-	HC relays	HC1E-HP-						
					NC relays	NC2EBD-P- (Slim type)						
						NC2EBD-JP- (Flat type)						

• Relays

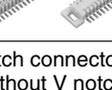
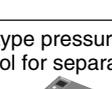
Products name	Types		Old part no.	Substituted products name	Substituted part no. *	Reason and remarks	Last time buy	
JY-N relays	Sealed	Standard	1a	JY1aFSN-	JW relays (Standard)	JW1aSN-	Less needs caused by decreasing demand Notification of this already made in Automation News of April, 2004 (T-832).	End of Mar. 2005
					JS relays	JS1a-		
		1c	JY1FSN-	JW relays (Standard)	JW1SN-			
				JS relays	JS1-			
		High capacity	1a	JY1aJSN-	JW relays (High capacity)	JW1aFSN-		
					JS relays	JS1a-		
	1c	JY1JSN-	JW relays (High capacity)	JW1FSN-				
			JS relays	JS1-				
	Flut-resistant	Standard	1a	JY1aFN-	JW relays (Standard)	JW1aHN-		
					JS relays	JS1aF-		
		1c	JY1FN-	JW relays (Standard)	JW1HN-			
				JS relays	JS1F-			
		High capacity	1a	JY1aFSN-	JW relays (High capacity)	JW1aFHN-		
					JS relays	JS1aF-		
	1c	JY1FSN-	JW relays (High capacity)	JW1FHN-				
			JS relays	JS1F-				
NR relays (R relays) 	All types	NR-(R-)	Signal relays	Please consult us	Less needs caused by decreasing demand	End of Aug. 2005		
PhotoMOS relays	Please consult us							
DX relays 	All types	DX2-	Signal relays (T, G, DS relays)	Please consult us	Notification of this already made in Automation News of April, 2004 (T-832).	End of Aug. 2005		
TF relays 	All types	TF2-	TQ relays TX-S relays	TQ2- TXS2-				
RZ coaxial switches 	50Ω series	ARZ140○○○ ARZ220○○○	RD coaxial switches RX relay	ARD○○○ ARX○○○	Less needs caused by decreasing demand	End of Aug. 2005		
	75Ω series	ARZ145○○○ ARZ225○○○	RE relay(75Ω type) RK relay	ARE13○○○ ARK○○○				
DSBT relay 	BBM	AGBT23○○○	DS(2C)relay TX-D relay	AG2○○○ ATXD2○○○ (Except MBB)	Less needs caused by decreasing demand	End of Aug. 2005		
	MBB	AGBT20○○○	TX-D relays	ATXD2○○○2○○○				

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

• Snap-action and Detection switches

Products name	Types	Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy
 <p>AGX (GX) switches</p>	AGX (GX) switches 16A type	AGX020	AGX switches 10.1A type	AGX000F	As the AGX switches have been changed to Cadmium free, they don't meet the 16A rating. Notification of this already made in Automation News of Dec. 2004 (T-864)	End of May, 2005
 <p>AV1 (GW) switches</p>	AV1 (GW) switches 16A type	AV1005 (Screw Mounting) AV1015 (Snap-in Mounting) AV1025 (Snap-in Mounting with button guard)	AV1 switches 10.1A type	AV1065F (Screw Mounting) AV1075F (Snap-in Mounting) AV1085F (Snap-in Mounting with button guard)	As the AV1 switches have been changed to Cadmium free, they don't meet the 16A rating. Notification of this already made in Automation News of Dec. 2004 (T-864)	
 <p>AM5 (QV) switches</p>	AM5 (QV) switches 21A type	AV521000	AM5 (QV) switches 16A type	AM516000N	As the AM5 switches have been changed to Cadmium free, they don't meet the 21A rating. Notification of this already made in Automation News of Dec. 2004 (T-864)	
 <p>New J9 switches</p>	New J9 switches 21A type	AJ90500	J9 switches 16A type	AJ90100F or AJ90200F	As the New J9 switches have been changed to Cadmium free, they don't meet the 21A rating. Notification of this already made in Automation News of Dec. 2004 (T-864)	
J8 switches with reset function type	J8 switches with reset function. End of part number T, U or L T: with dummy terminals U: without dummy terminals L: long lifetime	AJ8R000T AJ8R000U AJ8R000L	J8 switches reset function refresh type	AJ8R000CF	Less needs caused by decreasing demand Notification of this already made in Automation News of Dec. 2004 (T-863)	End of August, 2005
 <p>AGL (GL) switches</p>	AGL (GL) switches	AGL000	None	None	Less needs caused by decreasing demand Notification of this already made in Automation News of Dec. 2004 (T-863)	

• Connectors

Products name	Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy	
Sockets for DIN connector Wrapping terminal type 	AXD132241 AXD144241 AXD150241 AXD164241 AXD164341 AXD190241 AXD196441	None	—	Less needs caused by decreasing demand	End of Mar. 2005	
Card-edge connectors Wrapping terminal type	AXC400423 AXC400523	None	—		End of Mar. 2005	
USB connectors Receptacle series B 	AXJ115301S	None	—		End of Aug. 2005	
IC sockets Round pin/Low profile type (Mounting height: 3.9 mm) 	AXS14000	None	—		End of Aug. 2005	
Pin connectors 	AXB6000	None	—		End of Aug. 2005	
Narrow-pitch connectors P5KF Socket and header Without V notch 	AXK5F000050 AXK6F000050	P5KF Supports V notch	AXK5F00007YG AXK6F00007YG		Due to an almost total lack of orders because of the launch of and continuing switchover to successor products with V-notch, which increases reliability.	End of Sep. 2005
Narrow-pitch connectors P4 Socket Without V notch 	AXK8000050	P4 Supports V notch	AXK800005WG			End of Sep. 2005
Desk-top type pressure welding tool for separate wires 	AXY53000	None	—	Less needs caused by decreasing demand	End of Sep. 2005	

• PLC

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Programmable controller FP2 analog input unit	Including AFP2400 and "U-order" products.	FP2 analog input unit	AFP2400L AFP2401 AFP2402	Because switch can be made to successor products on left.	End of Aug. 2005
Programmable controller FP2 CPU unit with analog I/O	AFP2213	FP2 analog input unit	AFP2400L AFP2401 AFP2402	Because switch can be made to successor products on left.	End of Aug. 2005
		FP2 analog output unit	AFP2410		
FP0 power supply unit	AFP0631	FP0 power supply unit	AFP0634	Because complete replacement is possible due to upward compatibility.	End of Aug. 2005

• Memory relays

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Memory relays 	AMR1○○○○ AMR2○○○○	None	None	Discontinued electronic parts	End of Aug. 2005

• Pattern selector

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Pattern selector	Including AFK1○○○○ and "U-order" products.	None	None	Discontinued electronic parts	End of Aug. 2005

• Timers, Time switches and Limit switches

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
CHP timer 	CHP series (CHP-N-) (CHP-NF-) (CHP-SD-)	PM4H recommended PM4S recommended	PM4H○- PM4S-	Discontinued electronic parts	Sep. 2005
PMH-M timer 	PMH-M series (PMH-M-○○M-) (PMH-M-○○H-)	PM4H recommended PM4S recommended	PM4H○- PM4S-	Discontinued electronic parts	Sep. 2005
CDF timer 	CDF (CDF-)	S1DX	S1DX-	Discontinued electronic parts	Sep. 2005
CN-C time unit 	CN-C (CNC-)	None	—	Discontinued electronic parts	Sep. 2005
A-TB 48CL Calendar time switches 	A-TB48CL-SR1C- ACF	None	—	Discontinued electronic parts	Sep. 2005
Defrost timer 	A-TB11 (A-TB11-D-SR1C-)	None	—	Discontinued electronic parts	Sep. 2005
Limit switch 	New slitted type limit switches (AZ66○○○)	None	—	Discontinued electronic parts	Sep. 2005

• Operation switches

Products name	Old part no.	Substituted products name	Substituted part no.	Reason and remarks	Last time buy
Operation switches 	C2 type Illumination push button switches (AC2○○○○)	None	—	Discontinued electronic parts	Sep. 2005

## 2. Discontinued products in 2006

### • Relays

Products name	Type	Old part no.	Substituted product name	Substituted part no.	Reason and remarks	Last time buy	
DS2Y relay (Made in Japan only.) 	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 type	PC board type	JR1aF- LE relays PC board type LZ relays	ALE15000 ALE75000 ALZ00000	Less needs caused by decreasing demand	End of May 2006	
		TMP type	JR1aF-TMP-	LE relays TMP type	ALE12000 ALE13000 ALE14000 ALE72000 ALE73000 ALE74000	Less needs caused by decreasing demand	End of May 2006
		TM type	JR1aF-TM-	—	—	Less needs caused by decreasing demand	End of May 2006
	10A AC type	TM type	JR1a-TM- AC100V	HN relays TM type (Scheduled for launch.)	—	Less needs caused by decreasing demand	End of May 2006
JH relays 	2 coil latching type (1 Form A)	JH1a-L2-	DQ relays 2 coil latching type (1 Form A)	ADQ2000	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-WL2-	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.

• Snap-action and Detection switches

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 	AM500000R AM500000L	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 	AHR50000	None	—		
ABC1(FT) switches 	ABC10000	FT- $\mu$ switches	ABC20000	Due to increasing demand for the more compact FT- $\mu$ switch.	
ABU8(New FD) switches 	ABU80000	None	—	Less needs caused by decreasing demand	
ABP8(FP) switches 	ABP80000	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
MC counters 	MC6M- MC6MF- MC6K- MC6KF-	None	—	Less needs caused by decreasing demand	End of May 2006
ASF series Fan motors ASE series Fan motors 	ASF○○ ASE○○	Available	ASFN○○ ASEN○○	Switchover to new model	End of Dec. 2005
MHP timers MHP-M timers 	MHP-N- MHP-NM-	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 2006
C1 type Light push button switches 	AC1○○○○○	None	—	Discontinued electronic parts	End of Mar. 2006
Ø25 series operation switches 	S25- C25-	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 2006
Ø30 series operation switches 	S31- C31-	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 2006
HL limit switches 	AZH1○○○○ AZH2○○○○	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 2006
DL mini limit switches 	AZD1○○○○	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 2006
QL limit switches 	AZ4○○○○	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 2006
ML mini limit switches 	AZ7○○○○	Available	Products with part numbers ending in "F".	Support cadmium-free contacts	End of Mar. 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 	ANE1010 ANE1020 ANE1030 ANE1040	AE20	ANE2000	Because switch can be made to substituted product	End of May 2006

• **About PLCs (Programmable Controllers)**

Since their launch 16 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 electronic 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		