ADDITIONAL INFORMATION

FANUC Series 0*i*/0*i* Mate-MODEL D

Postscript to MAINTENANCE MANUAL

Type of applied technical documents

Name	FANUC Series 0*i*/0*i* Mate-MODEL D MAINTENANCE MANUAL
Spec. No. /Ed.	B-64305EN/04

Summary of Change

Group	Name/Outline	New, Add, Correct, Delete	Applied Date
Basic Function	The table of PMC basic specifications has been updated. (Level 1 execution cycle of 0*i*-D PMC)	Add	Sep. 2012.
Optional Function			
Unit			
Maintenance Parts			
Notice			
Correction			
Another			

FANUC Series 0*i*/0*i* Mate-MODEL D
Postscript to MAINTENANCE MANUAL

Contents

1 SUMMARY

The table of PMC basic specifications has been updated.

This document is a supplemental manual for above update.
Other maintenance operations about FANUC Series 0***i***/0***i*** Mate-MODEL D are described in the following manual.

Manual	Spec.
FANUC Series 0*i*/0*i* Mate-MODEL D MAINTENANCE MANUAL	B-64305EN / 04

In this document, following an abbreviation is used.

Name	Abbreviation
Series 0*i*/0*i* Mate-MODEL D	0*i*/0*i* Mate-D

2 APPLIED SOFTWARE

The new feature will be applied to the following software.

PMC System software

Software	Drawing number	Series	Edition
Series 0*i* -MODEL D Series 0*i* Mate-MODEL D PMC System Software	A02B-0319-H580#40B0	40B0	08 or later.

3 PMC SPECIFICATIONS

3.1 Basic Specifications

Change "Table 6.2.1(a)" as follows.

Table 3.1 (a) Basic specifications of each PMC path

Function	0*i*-D PMC	0*i*-D / 0*i* Mate-D PMC/L	0*i*-D DCS PMC(Note1)
Programming language	Ladder Function block (Note2)	Ladder Function block (Note2)	Ladder Function block (Note2)
Number of ladder levels	3	2 (Note3)	2 (Note3)
Level 1 execution cycle (Note4)	8 msec or 4msec (Note5)	8 msec	8 msec
Processing power • Basic instruction processing speed (Note6) • Basic instruction processing speed (Positive/Negative transition contact)	 25 nsec/step 480 nsec/step	 1 μsec/step 19.2 μsec/step	 1 μsec/step 19.2 μsec/step
Program capacity (Note7) • Ladder • Symbol & Comment • Message	 Up to about 64,000 steps At least 1KB At least 8KB	 Up to about 24,000 steps At least 1KB At least 8KB	 Up to about 3,000 steps At least 1KB At least 8KB
Instructions • Basic instructions • Functional instructions (Note8)	 14 93 (105)	 14 92 (105)	 14 85 (105)
Instructions(option) • Basic instructions • Functional instructions (Note8)	 24 218 (230)	 24 217 (230)	 24 210 (230)
CNC interface • Inputs (F) • Outputs (G)	 768 bytes × 2 768 bytes × 2	 768 bytes 768 bytes	 768 bytes 768 bytes
DI/DO • I/O Link • Inputs (X) • Outputs (Y)	 Up to 2,048 points Up to 2,048 points	 Up to 1,024 points (Note9) Up to 1,024 points (Note9)	 Up to 64 points Up to 64 points
Symbol & Comment (Note10) • Number of symbol characters • Number of comment characters (Note11)	 40 255	 40 255	 40 255
Program storage area (Flash ROM) (Note12)	Up to 768KB	Up to 256KB	128KB

NOTE

1 This PMC is used for Dual Check Safety function (option) and handles the safety related signals. See "FANUC Series 0i-D Dual Check Safety Connection Manual (B-64303EN-4)" for details.
2 To use the Function Block function, its option is necessary for each CNC. When specifying this option, the Extended PMC Ladder Instruction Function can also be used. Because the Extended PMC Ladder Instruction Function is included in the Function Block function, it is not necessary to order the option of the Extended PMC Ladder Instruction Function separately.
3 A program can be created on level 3 for the compatibility with programs for other models, but it is not executed.
4 CNC parameter No. 11930 is used to specify a 1st level execution cycle.
5 The 4ms of the ladder 1st level execution cycle is available in the 0i-D package 1 only. In the 0i-D package 2 and 0iMate-D, a ladder execution cycle is always 8ms.
6 It is the processing speed of Basic Instruction other than Positive/Negative transition contact.
7 The maximum overall program size (including the maximum number of ladder steps, symbols/ comments, and messages) varies depending on option settings. For details, refer to subsection "2.1.2 Program Capacity" of the PMC PROGRAMMING MANUAL (B-64393EN).
8 For the number of functional instructions, each parenthesized number indicates the number of all functional instructions, and each non-parenthesized number, the number of valid functional instructions.
9 Maximum input/output number of I/O link for 0i Mate-D is 256points/256points.
10 These are the number for extended symbol and comment character. The number of basic symbol character is 16 and the number of comment character is 30. For details, refer to subsection "1.2.7 Specification of extended symbol and comment" of the PMC PROGRAMMING MANUAL (B-64393EN).
11 This number is the number of single-byte characters. When you use double-byte characters as a comment, the number becomes half.
12 The capacity of the program storage area varies depending on option settings. For details, refer to subsection "2.1.2 Program Capacity" of the PMC PROGRAMMING MANUAL (B-64393EN).

4 ERROR MESSAGE

4.1 Messages That May Be Displayed on the PMC Alarm Screen

Add to the table of "A2.1" as follows.

Alarm number	Faulty location/corrective action	Contents
ER55 LEVEL1 EXECUTION CYCLE ERROR	Check the CNC parameter No.11930.	Setting of the execution cycle of the ladder 1st level (CNC parameter No.11930) is incorrect.