



CERTIFICATE NUMBER 20-2017070-PDA  
EFFECTIVE DATE 11-AUG-2020  
EXPIRATION DATE 10-AUG-2025  
ABS TECHNICAL OFFICE Yokohama Engineering Services

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## CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

**IDEC CORPORATION**

located at

**OSAKA CITY, JAPAN**

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

**Product Programmable Logic Controller**

**Model FC6A series and FC6B series**

This Product Design Assessment (PDA) Certificate 20-2017070-PDA, dated 11/August/2020 remains valid until 10/August/2025 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

American Bureau of Shipping

  
Motohiro Tamura  
Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

*Design Assessment (DA) Certificate Attachment for Component*

DA Certificate No: 20-2017070-PDA  
 Effective Date: 11 August 2020  
 Expiration Date: 10 August 2025  
 Company: IDEC CORPORATION  
 Factory or Works:  
 Product/Equipment: Programmable Logic Controller  
 Model: FC6A and FC6B Series

FC6A Series

Product	Type	Power Supply	Input	Output
CPU Modules	FC6A-M16R1	24 V dc, 150 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs:240 V ac/30 V dc, 2 A (GEN/RES) 7 A/Common
	FC6A-M16R4	24 V dc, 150 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs:240 V ac/30 V dc, 2 A (GEN/RES) 7 A/Common
	FC6A-M16R1E	24 V dc, 180 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs:240 V ac/30 V dc, 2 A (GEN/RES) 7 A/Common
	FC6A-M16R4E	24 V dc, 180 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs:240 V ac/30 V dc, 2 A (GEN/RES) 7 A/Common
	FC6A-M16P1	24 V dc, 135 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT. Total Max. 28.8 mA	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-M16P4	24 V dc, 135 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT. Total Max. 28.8 mA	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-M16P1E	24 V dc, 165 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT. Total Max. 28.8 mA	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-M16P4E	24 V dc, 165 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT. Total Max. 28.8 mA	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-M32P3	24 V dc, 145 mA	16 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT. Total Max. 62.4 mA	16 Transistor Source Outputs: 24 V dc, 0.1 A/PT. Total Max. 1.3 A
	FC6A-M32P3E	24 V dc, 175 mA	16 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT. Total Max. 62.4 mA	16 Transistor Source Outputs: 24 V dc, 0.1 A/PT. Total Max. 1.3 A
	FC6A-C16R1A	100-240V ac, 50/60 Hz, 31VA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6A-C16R1AE	100-240V ac, 50/60 Hz, 33VA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6A-C24R1A	100-240V ac, 50/60 Hz, 32VA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6A-C24R1AE	100-240V ac, 50/60 Hz, 35VA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6A-C40R1A	100-240V ac, 50/60 Hz, 37VA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6A-C40R1AE	100-240V ac, 50/60 Hz, 41VA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6A-C16P1C	24 V dc, 160 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Transistor Source Outputs : 24 V dc, 0.5 A/PT.
	FC6A-C16P1CE	24 V dc, 190 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Transistor Source Outputs : 24 V dc, 0.5 A/PT.
	FC6A-C24P1C	24 V dc, 170 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Transistor Source Outputs : 24 V dc, 0.5 A/PT.
	FC6A-C24P1CE	24 V dc, 200 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Transistor Source Outputs : 24 V dc, 0.5 A/PT.
FC6A-C40P1C	24 V dc, 172 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Source Outputs : 24 V dc, 0.5 A/PT.	
FC6A-C40P1CE	24 V dc, 205 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Source Outputs : 24 V dc, 0.5 A/PT.	



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 Company: IDEC CORPORATION  
 Factory or Works:  
 Product/Equipment: Programmable Logic Controller  
 Model: FC6A and FC6B Series

Product	Type	Power Supply	Input	Output
CPU Modules Brick Types	FC6A-C16K1C	24 V dc, 160 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6A-C16K1CE	24 V dc, 190 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6A-C24K1C	24 V dc, 170 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6A-C24K1CE	24 V dc, 200 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6A-C40K1C	24 V dc, 172 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6A-C40K1CE	24 V dc, 205 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6A-C16R1CE	24 V dc, 140 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common,
	FC6A-C24R1CE	24 V dc, 155 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-C40R1CE	24 V dc, 195 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-C40R1DE	12 V dc, 345 mA	24 Inputs: 12 V dc, Input 0,1,6,7: 5 mA/PT, Others: 6 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-C40P1DE	12 V dc, 260 mA	24 Inputs: 12 V dc, Input 0,1,6,7: 5 mA/PT, Others: 6 mA/PT	16 Transistor Source Outputs: 12 V dc, 0.5A/PT
	FC6A-C40K1DE	12 V dc, 260 mA	24 Inputs: 12 V dc, Input 0,1,6,7: 5 mA/PT, Others: 6 mA/PT	16 Transistor Sink Outputs: 12 V dc, 0.5A/PT
	CPU Modules Brick CAN bus Types	FC6A-C40R1AEJ	100-240V ac, 50/60 Hz, 37VA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT
FC6A-C40R1CEJ		24 V dc, 205 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
FC6A-C40R1DEJ		12 V dc, 340 mA	24 Inputs: 12 V dc, Input 0,1,6,7: 5 mA/PT, Others: 6 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
FC6A-C40P1CEJ		24 V dc, 175 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Source Outputs: 24 V dc, 0.5A/PT
FC6A-C40P1DEJ		12 V dc, 320 mA	24 Inputs: 12 V dc, Input 0,1,6,7: 5 mA/PT, Others: 6 mA/PT	16 Transistor Source Outputs: 12 V dc, 0.5A/PT
FC6A-C40K1CEJ		24 V dc, 175 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Sink Outputs: 24 V dc, 0.5A/PT
FC6A-C40K1DEJ		12 V dc, 320 mA	24 Inputs: 12 V dc, Input 0,1,6,7: 5 mA/PT, Others: 6 mA/PT	16 Transistor Sink Outputs: 12 V dc, 0.5A/PT
CPU Modules	FC6A-D16R1CEE	24 V dc, 120 mA	8 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A(Common)
	FC6A-D16P1CEE	24 V dc, 120 mA	8 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 26.4 mA	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-D16K1CEE	24 V dc, 120 mA	8 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 26.4 mA	8 Transistor Sink Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-D32P3CEE	24 V dc, 140 mA	16 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 60.0 mA	16 Transistor Source Outputs: 24 V dc, 0.1 A/PT. Total Max. 1.28 A
	FC6A-D32K3CEE	24 V dc, 140 mA	16 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 60.0 mA	16 Transistor Sink Outputs: 24 V dc, 0.1 A/PT. Total Max. 1.28 A
	FC6A-D16R4CEE	24 V dc, 120 mA	8 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs: 240 Vac/30 Vdc, 2A (GEN/RES), 7 A(Common)

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*Effective Date:* 11 August 2020

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*Company:* IDEC CORPORATION

*Factory or Works:*

*Product/Equipment:* Programmable Logic Controller

*Model:* FC6A and FC6B Series

Product	Type	Power Supply	Input	Output
CPU Modules	FC6A-D16P4CEE	24 V dc, 120 mA	8 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 26.4 mA	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-D16K4CEE	24 V dc, 120 mA	8 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 26.4 mA	8 Transistor Sink Outputs: 24 V dc, 0.5 A/PT. Total Max. 3.2 A
	FC6A-D32P4CEE	24 V dc, 140 mA	16 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 60.0 mA	16 Transistor Source Outputs: 24 V dc, 0.1 A/PT. Total Max. 1.28 A
	FC6A-D32K4CEE	24 V dc, 140 mA	16 Inputs: 24 V dc, Input 0,1,3,4,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 60.0 mA	16 Transistor Sink Outputs: 24 V dc, 0.1 A/PT. Total Max. 1.28 A
Input Modules	FC6A-N08B1	5 V dc, 30 mA	8 inputs, 24 V dc, 7 mA/PT	
	FC6A-N08B4	5 V dc, 30 mA	8 inputs, 24 V dc, 7 mA/PT	-
	FC6A-N16B1	5 V dc, 40 mA	16 inputs, 24 V dc, 7 mA/PT, Total Max. 123.2 mA	-
	FC6A-N16B4	5 V dc, 40 mA	16 inputs, 24 V dc, 7 mA/PT, Total Max. 123.2 mA	-
	FC6A-N16B3	5 V dc, 40 mA	16 inputs, 24 V dc, 5 mA/PT, Total Max. 72 mA	-
	FC6A-N32B3	5 V dc, 65 mA	32 inputs, 24 V dc, 5 mA/PT, Total Max. 144 mA	-
	FC6A-N08A11	5 V dc, 40 mA	8 inputs, 120 V ac, 50/60 Hz, 15 mA	-
	FC6A-N08A14	5 V dc, 40 mA	8 inputs, 120 V ac, 50/60 Hz, 15 mA	-
Output Modules	FC6A-R081	24 V dc, 50 mA, 5 V dc, 35 mA	-	8 Relay Outputs, 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-R084	24 V dc, 50 mA, 5 V dc, 35 mA	-	8 Relay Outputs, 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-R161	24 V dc, 100 mA, 5 V dc, 50 mA	-	16 Relay Outputs, 240 V ac/30 V dc, 2 A (GEN/RES), 8 A/Common
	FC6A-R164	24 V dc, 100 mA, 5 V dc, 50 mA	-	16 Relay Outputs, 240 V ac/30 V dc, 2 A (GEN/RES), 8 A/Common
	FC6A-T08P1	24 V dc, 15 mA, 5 V dc, 25 mA	-	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT
	FC6A-T08P4	24 V dc, 15 mA, 5 V dc, 25 mA	-	8 Transistor Source Outputs: 24 V dc, 0.5 A/PT
	FC6A-T16P1	24 V dc, 25 mA, 5 V dc, 30 mA	-	16 Transistor Source Outputs: 24 V dc, 0.5 A/PT
	FC6A-T16P4	24 V dc, 25 mA, 5 V dc, 30 mA	-	16 Transistor Source Outputs: 24 V dc, 0.5 A/PT
	FC6A-T16P3	24 V dc, 25 mA, 5 V dc, 30 mA	-	16 Transistor Source Outputs: 24 V dc, 0.1 A/PT
	FC6A-T32P3	24 V dc, 50 mA, 5 V dc, 45 mA	-	32 Transistor Source Outputs: 24 V dc, 0.1 A/PT
	FC6A-T08K1	24 V dc, 15 mA, 5 V dc, 25 mA	-	8 Transistor Sink Outputs: 24 V dc, 0.5 A/PT
	FC6A-T08K4	24 V dc, 15 mA, 5 V dc, 25 mA	-	8 Transistor Sink Outputs: 24 V dc, 0.5 A/PT
	FC6A-T16K1	24 V dc, 25 mA, 5 V dc, 30 mA	-	16 Transistor Sink Outputs: 24 V dc, 0.5 A/PT
	FC6A-T16K4	24 V dc, 25 mA, 5 V dc, 30 mA	-	16 Transistor Sink Outputs: 24 V dc, 0.5 A/PT
	FC6A-T16K3	24 V dc, 25 mA, 5 V dc, 30 mA	-	16 Transistor Sink Outputs: 24 V dc, 0.1 A/PT
	FC6A-T32K3	24 V dc, 50 mA, 5 V dc, 45 mA	-	32 Transistor Sink Outputs: 24 V dc, 0.1 A/PT



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*Product/Equipment:* Programmable Logic Controller  
*Model:* FC6A and FC6B Series

Product	Type	Power Supply	Input	Output
I/O Mixture Modules	FC6A-M08BR1	24 V dc, 25 mA, 5 V dc, 30 mA	4 Inputs, 24 V dc, 7 mA/PT	4 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-M08BR4	24 V dc, 25 mA, 5 V dc, 30 mA	4 Inputs, 24 V dc, 7 mA/PT	4 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-M24BR1	24 V dc, 50 mA, 5 V dc, 55 mA	16 Inputs, 24 V dc, 7 mA/PT. Total Max. 123.2 mA	8 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-M24BR4	24 V dc, 50 mA, 5 V dc, 55 mA	16 Inputs, 24 V dc, 7 mA/PT. Total Max. 123.2 mA	8 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common
	FC6A-TYS4	24 V dc, 25 mA, 5 V dc, 50 mA	12 Inputs, 24 V dc, 5 mA/PT	8 Source Transistor Outputs: 24 V dc, 0.3 A/PT.
Analog Modules	FC6A-J2C1	24 V dc, 25 mA, 5 V dc, 40 mA	2 Analog Inputs	-
	FC6A-J2C4	24 V dc, 25 mA, 5 V dc, 40 mA	2 Analog Inputs	-
	FC6A-J4A1	24 V dc, 30 mA, 5 V dc, 45 mA	4 Analog Inputs	-
	FC6A-J4A4	24 V dc, 30 mA, 5 V dc, 45 mA	4 Analog Inputs	-
	FC6A-J8A1	24 V dc, 40 mA, 5 V dc, 40 mA	8 Analog Inputs	-
	FC6A-J8A4	24 V dc, 40 mA, 5 V dc, 40 mA	8 Analog Inputs	-
	FC6A-K2A1	24 V dc, 70 mA, 5 V dc, 40 mA	-	2 Analog Outputs
	FC6A-K2A4	24 V dc, 70 mA, 5 V dc, 40 mA	-	2 Analog Outputs
	FC6A-K4A1	24 V dc, 125 mA, 5 V dc, 50 mA	-	4 Analog Outputs
	FC6A-K4A4	24 V dc, 125 mA, 5 V dc, 50 mA	-	4 Analog Outputs
	FC6A-L06A1	24 V dc, 100 mA, 5 V dc, 55 mA	4 Analog Inputs	2 Analog Outputs
	FC6A-L06A4	24 V dc, 100 mA, 5 V dc, 55 mA	4 Analog Inputs	2 Analog Outputs
	FC6A-L03CN1	24 V dc, 80 mA, 5 V dc, 60 mA	2 Analog Inputs	1 Analog Output
	FC6A-L03CN4	24 V dc, 80 mA, 5 V dc, 60 mA	2 Analog Inputs	1 Analog Output
	FC6A-J4CN1	24 V dc, 40 mA, 5 V dc, 50 mA	4 Analog Inputs	-
	FC6A-J4CN4	24 V dc, 40 mA, 5 V dc, 50 mA	4 Analog Inputs	-
	FC6A-J8CU1	24 V dc, 30 mA, 5 V dc, 45 mA	8 Analog Inputs	-
	FC6A-J8CU4	24 V dc, 30 mA, 5 V dc, 45 mA	8 Analog Inputs	-

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 Product/Equipment: Programmable Logic Controller  
 Model: FC6A and FC6B Series

Product	Type	Power Supply	Input	Output
Analog Modules	FC6A-F2MR1	24 V dc, 150 mA, 5V dc, 65 mA	2 Analog Inputs	2 Relay Outputs, 250 V ac/30 V dc, 5 A (RES), 3 A (GEN)
	FC6A-F2MR4	24 V dc, 150 mA, 5V dc, 65 mA	2 Analog Inputs	2 Relay Outputs, 250 V ac/30 V dc, 5 A (RES), 3 A (GEN)
	FC6A-F2M1	24 V dc, 150 mA, 5V dc, 65 mA	2 Analog Inputs	2 Analog Outputs or Digital Output
	FC6A-F2M4	24 V dc, 150 mA, 5V dc, 65 mA	2 Analog Inputs	2 Analog Outputs or Digital Output
	FC6A-J4CH1Y	24 V dc, 40 mA, 5V dc, 50 mA	4 Analog Inputs	-
	FC6A-J4CH4Y	24 V dc, 40 mA, 5V dc, 50 mA	4 Analog Inputs	-
Option Modules	FC6A-PJ2A	3.3V dc, 30 mA	2 Analog Inputs	-
	FC6A-PK2AV	5 V dc, 70 mA, 3.3V dc, 30 mA	-	2 Analog Outputs
	FC6A-PK2AW	5 V dc, 185 mA, 3.3V dc, 30 mA	-	2 Analog Outputs
	FC6A-PJ2CP	3.3V dc, 30 mA	2 Analog Inputs	-
	FC6A-PC1	5 V dc, 23 mA, 3.3V dc, 6 mA	2-Serial Communications (RS232C/RS485)	2-Serial Communications (RS232C/RS485)
	FC6A-PC2	5 V dc, 23 mA, 3.3V dc, 6 mA	2-Serial Communications (RS232C/RS485)	2-Serial Communications (RS232C/RS485)
	FC6A-PC3	24 V dc, 23 mA 3.3V dc, 6 mA	Serial Communication (RS485)	Serial Communication (RS485)
	FC6A-PC4	5 V dc, 120 mA 3.3V dc, 30 mA	Bluetooth Communication	Bluetooth Communication
	FC6A-PTS4	3.3V dc, 35 mA	-	4 Transistor Source Outputs: 24V dc, 0.1A/pt. 12V dc, 0.1A/pt.
	FC6A-PTK4	3.3V dc, 35 mA	-	4 Transistor Sink Outputs: 24V dc, 0.1A/pt. 12V dc, 0.1A/pt.
	FC6A-PN4	3.3V dc, 35 mA	4 Inputs: 24V dc, 5 mA/pt. 12V dc, 2.5 mA/pt.	-
	FC6A-PC99	5 V dc, 23 mA 3.3V dc, 6 mA	Serial Communication (RS485)	Serial Communication (RS485)
Expansion Interface Modules	FC6A-EXM2	24 V dc, 20 mA	-	-
	FC6A-EXM1M	5V dc, 75 mA	-	-
	FC6A-EXM1S	24 V dc, 55 mA	-	-
	FC6A-EXM24	24 V dc, 20 mA	-	-
	FC6A-EXM1S4	24 V dc, 55 mA	-	-
HMI Modules	FC6A-PH1	24 V dc, 15 mA 5 V dc, 300 mA	-	-
Communication Module	FC6A-SIF52	24 V dc, 35 mA 5 V dc, 35 mA	-	-
	FC6A-SIF524	24 V dc, 35 mA 5 V dc, 35 mA	-	-
Cartridge Base Module	FC6A-HPH1	-	-	-

*Design Assessment (DA) Certificate Attachment for Component*

DA Certificate No: 20-2017070-PDA

Effective Date: 11 August 2020

Expiration Date: 10 August 2025

Company: IDEC CORPORATION

Factory or Works:

Product/Equipment: Programmable Logic Controller

Model: FC6A and FC6B Series

**FC6B Series**

Product	Type	Power Supply	Input	Output
CPU Modules Brick Low-end Types	FC6B-C16R1A	100-240 V ac, 50/60 Hz, 26 VA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6B-C16R1C	24 V dc, 110 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common,
	FC6B-C24R1A	100-240 V ac, 50/60 Hz, 28 VA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6B-C24R1C	24 V dc 125 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common,
	FC6B-C40R1A	100-240 V ac, 50/60 Hz, 34 VA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common, Aux. Output: 24V dc, 250mA
	FC6B-C40R1C	24 V dc 165 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Relay Outputs: 240 V ac/30 V dc, 2 A (GEN/RES), 7 A/Common,
	FC6B-C16P1C	24 V dc, 100 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Transistor Source Outputs: 24 V dc, 0.5A/PT
	FC6B-C24P1C	24 V dc, 105 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Transistor Source Outputs: 24 V dc, 0.5A/PT
	FC6B-C40P1C	24 V dc, 120 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Source Outputs: 24 V dc, 0.5A/PT
	FC6B-C16K1C	24 V dc, 100 mA	9 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	7 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6B-C24K1C	24 V dc, 105 mA	14 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	10 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6B-C40K1C	24 V dc, 120 mA	24 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	16 Transistor Sink Outputs: 24 V dc, 0.5A/PT
	FC6B-D16R1C	24 V dc, 100 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs: 240 Vac/30 Vdc, 2 A (GEN/RES), 7 A(Common)
	FC6B-D16P1C	24 V dc, 80 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 28.8 mA	8 Transistor Source Outputs: 24 V ac, 0.5A/PT, Total Max. 3.2A
	FC6B-D16K1C	24 V dc, 80 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 28.8 mA	8 Transistor Sink Outputs: 24 V ac, 0.5A/PT, Total Max. 3.2A
	FC6B-D32P3C	24 V dc, 95 mA	16 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 62.4 mA	16 Transistor Source Outputs: 24 V dc, 0.1A/PT, Total Max. 1.28A
	FC6B-D32K3C	24 V dc, 95 mA	16 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 62.4 mA	16 Transistor Sink Outputs: 24 V dc, 0.1A/PT, Total Max. 1.28A
	FC6B-D16R4C	24 V dc, 100 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT	8 Relay Outputs: 240 Vac/30 Vdc, 2A (GEN/RES), 7 A(Common)
	FC6B-D16P4C	24 V dc, 80 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 28.8 mA	8 Transistor Source Outputs: 24 V ac, 0.5A/PT, Total Max. 3.2A
	FC6B-D16K4C	24 V dc, 80 mA	8 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 28.8 mA	8 Transistor Sink Outputs: 24 V ac, 0.5A/PT, Total Max. 3.2A
FC6B-D32P4C	24 V dc, 95 mA	16 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: 7 mA/PT Total Max. 62.4 mA	16 Transistor Source Outputs: 24 V dc, 0.1A/PT, Total Max. 1.28A	
FC6B-D32K4C	24 V dc, 95 mA	16 Inputs: 24 V dc, Input 0,1,6,7: 5 mA/PT, Others: .7mA/PT. Total Max. 62.4 mA	16 Transistor Sink Outputs: 24 V dc, 0.1A/PT, Total Max. 1.28A	