

F-8017C1

8-ch Isolated Current Input Redundant Module

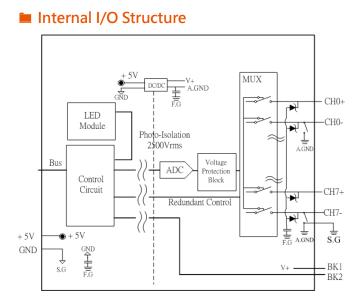
Introduction

F-8017C1 is a 16-bit 8-channel analog differential input module that provides a 500Hz sampling rate, a current input range of 4~20mA, an error value of ±0.05%, enabling high-accuracy applications, and supports ±25% over-range measurements (accuracy not guaranteed). It also provides 3000 V_{DC} isolation between the power supply and the backplane bus, making it better able to prevent noise interference in industrial environments without affecting the iDCS-8000 system.

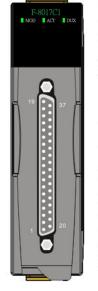
Feature					
Redundant	Yes (Switching time < 100us)				
Termination board break off detection	Yes				
Over-Current Protection	Yes				
LED					
LED indicator	1 RUN, 1 ACT, 1 DUX				
Analog Input					
Number of channels	8				
Туре	4~20 mA (Support ± 25% overrange)				
Max. Input Current	24 mA				
Resolution	16 bit				
Sampling Rate	500 Samples/Sec.				
Accuracy	±0.05% FSR				
Zero Drift	±20 μV/°C				
Span Drift	±25 ppm/°C				
Common Mode Rejetion	86 dB				
Normal Mode Rejetion	100 dB				
Input Impedance	230 Ω				
Date Range	-2500~12500 (0~24 mA)				
Isolation	3000 V _{DC}				

Certification			
Emission	IEC 61000-6-4		
	IEC 61000-6-2		
	IEC 61000-4-3		
	IEC 61000-4-4		
Immunity	IEC 61000-4-6		
	IEC 61000-4-9		
	IEC 61000-4-10		
	IEC 61000-4-12		
General			
Termination	DN-AIO-M		
Board			
Max. Power	1.5 W		
Consumption			
Operating	-25 ~ 75 ℃		
Temperature			
Storage	-30 ~ 80 ℃		
Temperature			
Humidity	5 ~ 95 % RH, Non-condensing		
Weight	300g		
Dimensions (WxLxH)	30mm x 85mm x 115mm		

Specifications

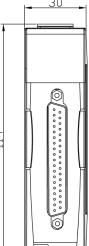


🖿 Pin Assignment



Pin Assignment Name	Terminal No.		lo.	Pin Assignment Name
х	19	00	37	BK2
Х	18	0		
х	17	00	36	X
Х	16	00	35	X
х	15	00	34	Х
х	14	0	33	Х
x	13	0	32	Х
x	12	00	31	Х
X	11	00	30	Х
x	10	00	29	Х
CH7-	09	00	28	Х
	08	0	27	CH7+
CH6-		00	26	CH6+
CH5-	07	00	25	CH5+
CH4-	06	00	24	CH4+
CH3-	05	0	23	CH3+
CH2-	04	0	22	CH2+
CH1-	03	00	21	CH1+
CH0-	02	0	20	CH0+
BK1	01	69	20	CHOT

Dimension (unit: mm) 73.7 68.3 J Ē Unit: mm 36.3 30 Ø 101,2 114



male D-Sub Connector

Ordering Information

F-8017C1 CR

4.1

4.3

Accessories

CA-3710AM CR	DB37 Male to Female, with Molded Cable, 45°, 1M (RoHS)
DN-AIO-M CR	Universal termination board for analog I/O (RoHS)