# Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

# MicroSmart FC6A PLC
## Expansion Interface Module Specifications

**IDEC**

### KEY FEATURES

- Required when expanding to more than 7 expansion modules
- Allows FC6A to expand an additional 8 expansion modules

### Expansion Interface Module Specifications

| Part Number | | FC6A-EXM2 |
|---|---|---|
| Rated Power Voltage | | 24V DC |
| Allowable Voltage Range | | 20.4 to 28.8V DC |
| Power Consumption | | Internal power (supplied from CPU module):<br>20 mA (5V DC), 0 mA (24V DC)<br>External power: With I/O modules [1] 750 mA (26.4V DC) |
| Maximum Power Consumption (External Power) [1] | | 0.5W (24V DC) |
| Allowable Momentary Power Interruption | | 10ms minimum (24V DC) |
| I/O Expansion | | Between CPU module and expansion interface module<br>Connectable I/O modules: 7 maximum (224 I/Os maximum)<br>Beyond the expansion interface module<br>Connectable I/O modules: 8 maximum (256 I/Os maximum) |
| Isolation from Internal Circuit | | Not isolated |
| Connector | Insertion/Removal Durability | 100 times minimum |
| | Applicable Ferrules | 1-wire: AI 0.5-10 (Phoenix Contact)<br>2-wire: AI-TWIN 2×0.5-10 (Phoenix Contact) |
| Weight (approx.) | | 150g |

Note 1: Power consumption by the expansion interface module and eight I/O modules.

### DIMENSIONS (all dimensions are in mm)

FC6A-EXM2



3.8  39.2  90.0  *5.0  15.2  73.0  4.0