

FlexiLogics® - FL005

Low Cost High Performance PLC



FL005 (Slim Case Series)

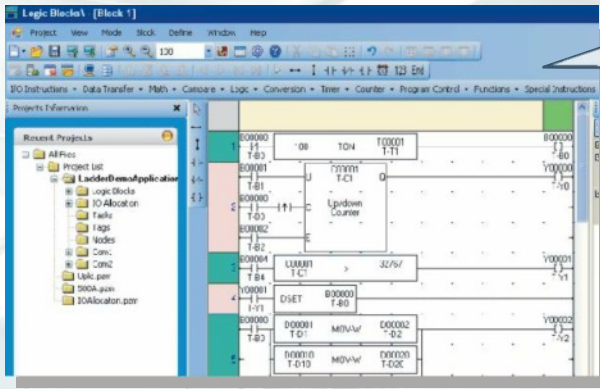
Features

- DIN rail / Back panel mounted slim PLC
- Transistor or Relay outputs
- 32 Bit RISC processor
- Built-in RTC
- DC inputs, DC Outputs
- Analog Inputs (Voltage, Current)
- Analog Output (Current)
- Support for High Speed Counters / Quadrature (up to 200 KHz) and Timers
- High Speed PWM output (100 KHz)
- Up to 2 Serial Ports. Support for various PLC protocols
- 1 USB Device Port
- DC powered units (24 V DC)
- Simple Ladder programming using Windows® based software
- Support for LD, FBD, ST, SFC, IL type IEC61131-3 programming languages
- CE, UL Class1 Div2 approved
- FREE programming software

Model Comparison

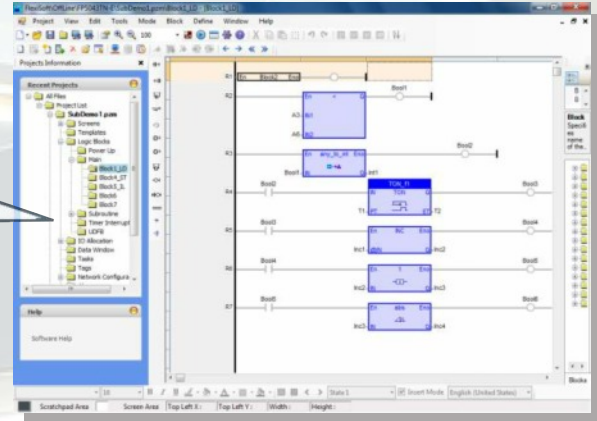
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Software Features

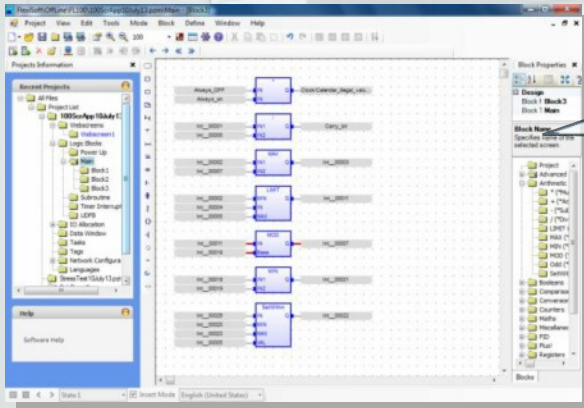


Configuration Software
FlexiSoft® is a compact, Windows® based software to configure the PLC. This powerful software is free.

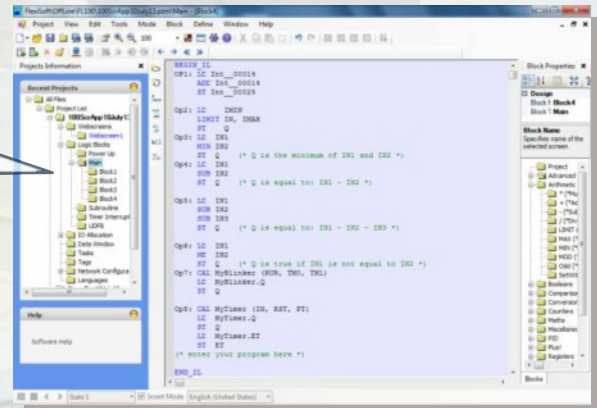
IEC61131-3 Programming Environment
Create application using LD language



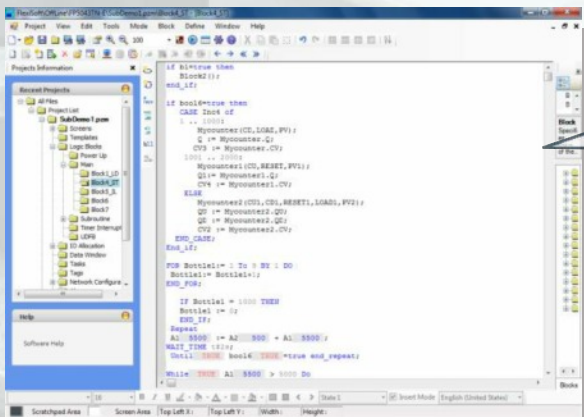
IEC61131-3 Programming Environment
Create application using FBD language



IEC61131-3 Programming Environment
Create application using IL language



IEC61131-3 Programming Environment
Create application using ST language



General Specifications

Functional	
Program Capacity	33 K Steps
Total Program Memory	288 KB (Application + Ladder)
Execution Speed	60.0 ns / contact
	240.01 ns/coil
	373.35 ns/16 bit transfer
	366.68 ns/16 bit signed addition
Clock-Calendar	Year, month, day, hour, minute, second, & Day of the week

Environmental	
Temperature	0 to 60° C (operating), -20 to 85° C (storage)
Humidity	10 to 90 % non condensing
Vibration immunity	IEC60068-2-6
Shock immunity	IEC60068-2-27
Dimensions (mm)	100 mm(H) X 26 mm(W) X 70 mm(D)
Weight (Approx.)	150 g
Isolation	Isolation between communication ports, power and I/O is 500 V DC for 1 Min.

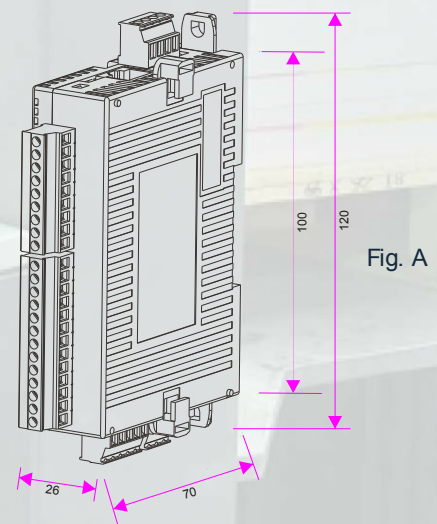
EMI/EMC	
Immunity to ESD	as per IEC61000-4-2
Immunity to Fast Transients	as per IEC61000-4-4
Immunity to Radiated electromagnetic field	as per IEC61000-4-3
Immunity to Conducted disturbances	as per IEC61000-4-6
Surge	as per IEC61000-4-5
Radiated emission	as per EN55011

Protocols Supported

Driver	FL005
ABB PLCs	✓
Allen Bradley DF1	✓
Aromat FP Series	✓
Baldor	✓
Danfoss Drive	✓
Delta PLCs	✓
GE SNP	✓
GE SNP- X	✓
Idec PLCs	✓
LG Master K Series PLC	✓
LG Master K 300S	✓
Mitsubishi FX	✓
Mitsubishi Q Series PLCs (Serial)	✓

Driver	FL005
Modbus ASCII (Unit as Master)	✓
Modbus RTU (Unit as Master)	✓
Modbus RTU (Unit as Slave)	✓
Serial monitor	✓
Serial Printer	✓
Toshiba (Link Port) Series PLCs	✓
Toshiba Inverters PLCs	✓
Toshiba T Series	✓
TriPLC	✓
Twido PLCs	✓
Unitelway PLCs	✓
Universal Serial Driver(ASCII)	✓

Dimensions



Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customized units.

All dimensions are in mm.



HEAD OFFICE

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An ISO 9001 : 2008 and ISO 14001 : 2004 certified company

(Specifications subject to change without prior notice. DS-FL005-Sim-Case Rev.A)