

arteco

motion control technologies

SU-PLC

Programming Language IEC61131-3



SU-PLC is the new low cost PLC based on the long time experience of Arteco Motion Tech in Axis Controllers development.

The same ISaGRAF tool used for Axis Controller programs can be used to develop PLC programs.

The advantage for Arteco customers is that they can use ONLY one programming tool for all Arteco PLCs and Axis Controllers making it possible to save money and time. In fact all programs are portable to all Arteco PLCs or Arteco Axis Controllers.

The standard configuration is 16 digital input, 16 digital output expandables by Canbus and SPI port.

CHARACTERISTICS	DESCRIPTION	NOTES
Power supply requirements		
Power supply voltage	24 Vdc \pm 20% - 0,5 A	Protected by electronic fuse
Buffer battery	Inorganic Lithium – AA-3,6Volts	
CPU		
Microprocessor	Infineon , 20 MHz, 16 bit	
Working memory	Backup battery, write protected against power down and reset	Retentive Boolean, Integer and text variables
Monitoring functions	Watch Dog PLC active	LED on when unit is working correctly LED on when PLC is active
INTERFACES		
Asynchronous basic serial	1 RS232/RS485 serial port	Both available, selectable by jumper
Fieldbus	CANOpen (optional) Modbus	Master mode Standard mode and ISaGRAF®, on board
Connections to HMI	By RS232 / RS485 Modbus RTU	Full compliance with many third part HMI equipments
SPI Interface	1 SPI port: differential configuration	
INPUT AND OUTPUT		
On board user input	16 digital input 24 Vcc PNP	
On board user output	16 digital output 24 Vcc PNP 1,8A each output, Max 4,4A for each group of 4 output	Protected against short circuit, overcurrent, overtemperature, overvoltage and reverse voltage connection.
On board analog user input	1 analog input 0-10Volt	Resolution of 10 bit, overvoltage protected
AXIS MANAGEMENT		
Encoder counting	1 encoder counter 200 KHz, 32 bit	Internally Multiplied x 4
Encoder interface	Differential Line Driver, 5Vcc	Option: Push Pull, 5Vcc
Encoder reading	Motion Control Function available	Position and speed read and moved to variables by Motion Control Function "ReadPos"
DEVELOPMENT TOOLS		
Development environment	ISaGRAF® Tool programming software	Compliance to standard IEC 61131-3
Available programming languages	SFC, FDB, LD, ST, IL, FC	All usable in the same project
Advanced features	Function symbols to read the position. Function symbols to manage the variables, Function symbols to manage the personalization of the serial port	In adding to the standard IEC 61131-3 programming languages
Case	Plastic case, Standard DIN	Dimensions: 160mm x 95mm x h 60mm
Mounting	For DIN guide	
Certifications	CE IEC61131-2 / IEC61131-3	Certified by the manufacturer

ARTECO MOTION TECH reserves the right to change the physical hardware and or software specifications without notice

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