

دوره آموزش PLC رایگان pdf

به بیست و هشتمین قسمت از [آموزش PLC رایگان pdf](#) ویراد خوش آمدید. در قسمت بیست و هفتم از [آموزش PLC رایگان pdf](#) به پروژه پی ال سی کنترل ترافیک پرداختیم.

در این قسمت از [آموزش PLC](#) به **400 کلمه تخصصی در پی ال سی PLC** می پردازیم. هدف از [مقالات آموزش PLC](#) [رایگان pdf](#) این است که شما بتوانید به صورت رایگان و با تلاش و تمرین به یک برنامه نویس PLC پی ال سی تبدیل شوید.

بنابر این تا پایان مجموعه مقالات [آموزش PLC](#) با ما همراه باشید.

در ادامه این قسمت از [آموزش صفر تا صد پی ال سی](#) به سراغ کلمات تخصصی می رویم.

کلمات تخصصی در پی ال سی PLC

AB	Allen Bradley or Rockwell (It is one of the types of PLC Brand)
ABB	Asea Brown Boveri (It is one of the types of PLC Brand)
ABS	Absolute Instruction (It is one of the types of PLC programming instruction)
AC	Alternating Current
ACC	Accumulate or Accumulator
ACK	Acknowledgment
ACS	Arc Cosine Instruction (It is one of the types of PLC programming instruction)
ADD	Addition Instruction (It is one of the types of PLC programming instruction)
AFD	Adjustable Frequency Drive
AI	Analog Input
AIC	Active Infeed Converter
AFE	Active Front End
AMD	Advanced Micro Devices
ANSI	American National Standards Institute
AO	Analog Output
API	Application Programming Interface
APS	Auxiliary Power Supply

ARP	Address Resolution Protocol (It is one of the types of communication protocol)
AS	Auto Start
ASCII	American Standard Code for Information Interchange
ASD	Adjustable speed drive
AS-I	Actuator Sensor Interface
ASICs	Application-Specific Integrated Circuits
ASN	Arc Sine Instruction (It is one of the types of the mathematical Instruction of PLC)
ATN	Arc Tangent Instruction (It is one of the types of the mathematical Instruction of PLC)
AUI	Attachment Unit Interface
B	Bit/Binary
BCD	Binary to Decimal Code (Calculator)
BHI	Base Hardware Information
BNC	Bayonet Nut Connector
BOOTP	Bootstrap Protocol (It is one of the types of communication protocol)
BSAP	Bristol Standard Asynchronours Protocol (It is one of the types of communication protocol)
BSL	Bit Shift Left
BSR	Bit Shift Right
C	Counter (It is one of the types of the mathematical Instruction of PLC)
CAN	Controller-area Network (It is one of the types of the protocol)
CCW	Connected Component Work
CDC	Change Data Capture
CE	Counting Enabled
CFC	Continuous Function Chart
CIM	Computer Integrated Manufacturing
CIP	Common Industrial Protocol (It is one of the types of communication protocol)
CIP	Control and Information Protocol (It is one of the types of communication protocol)
CIP	Critical Infrastructure Protection
CJ	Conditional Jump Instruction (It is one of the types of PLC programming instruction)
CMP	Comparator Instruction (It is one of the types of PLC programming instruction)

CMRR	Common-Mode Rejection Ratio
CNC	Computer Numerical Control
COB	Communication Object
COM	Component Object Model/ Common (Based on the Usage)
COP	Copy Instruction (It is one of the types of PLC programming instruction)
COS	Cosine Instruction (It is one of the types of PLC programming mathematical instruction)
COTS	Commercial Off the Shelf
CPU	Central Processing Unit
CRC	Cyclic Redundancy Check
CC	Up Counter or Counter Coil (It is one of the types of counter instruction)
CS	Control System or Communications Status
CSC	Convertible Static Compensatory
CSI	Current Source Inverter
CSMA/CD	Carrier Sense Multiple Access/Collision Detect
CT	Current Transformer
CTD	Down Counter Instruction (It is one of the types of counter instruction)
CTU	Up Counter Instruction (It is one of the types of counter instruction)
CTUD	Count Up/Down Instruction (It is one of the types of counter instruction)
CV	Current Value
DB	Data Block
DC	Direct Current
DCOM	Distributed Component Object Model
DCS	Distributed Control System
DS	Decelerating Status
DDC	Direct Digital Control
DEC	Digital Equipment Corporation
DEC	Decrement
DEC	Digital Equipment Corporation
DEG	Degree Instruction (It is one of the types of PLC programming instruction)
DH	Data Highway
DHCP	Dynamic Host Configuration Protocol
DI	Digital Input

DIO	Discrete Input/Output
DIP	Dual In-line Package
DIV	Division Instruction (It is one of the types of mathematical PLC instruction)
DIX	Digital Equipment Corp., Intel, and Xerox
DLL	Dynamic Link Library
DLS	Data Log Status
DMS	Database Management System
DN	Done Bit
DNP3	Distributed Network Protocol 3 (It is one of the types of communication protocol)
DNS	Domain Name Server
DO	Digital Output
DOL	Direct on Line Starter
DOS	Denial of Service
DOS	Disk Operating System
DP	Decentralized Peripherals
DTC	Direct Torque Control
EBCDIC	Extended Binary Coded Decimal Interchange Code
ECM	Enterprise Contact Management
ED	Error Detected
EDS	Electronic Data Sheet
EI	Event Input Interrupt
EEPROM	Electrically Erasable Programmable Read-Only Memory
EDM	Electrical Discharge Machining
EGD	Ethernet Global Data
EIA	Electric Industries Alliance
ELCB	Earth-Leakage Circuit Breaker
EMC	Electromagnetic Compatibility
EMI	Electromagnetic Interference
EMP	Electromagnetic Pulse
EN	Enable Bit
ENC	Encoder
EPC	Electrical Power Control
EPICS	Experimental Physics and Industrial Control System
EQU	Equal to Instruction (It is one of the types of PLC comparator instruction)
ER	Error Code
ERP	Enterprise Resource Planning

ES	Ethernet Status
ESD	Electrostatic Sensitive Devices
F	Float
FB	Function Block
FBD	Function Block Diagram
FCS	Fuzzy Control System
FDDI	Fiber Distributed Data Interface
FE	Function Enabled
FINS	Factory Interface Network Service Protocol (It is one of the types of communication protocol)
FLL	Fill File Instruction (It is one of the types of PLC programming instruction)
FOC	Field Oriented Control
FOIRL	Fiber Optic Inter Repeater Link
FTP	File Transfer Protocol (It is one of the types of communication protocol)
GE	General Electric (It is one of the types of PLC Brand)
GEQ	Greater than or Equal to Instruction (It is one of the types of PLC comparator instruction)
GET	Greater than Instruction (It is one of the types of PLC comparator instruction)
GM	General Motor
GMII	Gigabit Media-Independent Interface
GND	Ground
GPIO	General Purpose Input/Output
GPS	Global Positioning System
GUI	Graphical User Interfaces
H	High/Hydraulic
HART	Highway Addressable Remote Transducer Protocol (It is one of the types of communication protocol)
HMI	Human Machine Interface
HP or hp	Horse Power
HPI	High Preset Interrupt
HPM	High Preset Mask
HPR	High Preset Reached
HSC	High-Speed Counter
HSL	High-Speed Counter Load
HSSDC	High Speed Serial Data Connector

HTTP	Hypertext Transfer Protocol (It is one of the types of communication protocol)
HV	High Voltage
HVAC	Heating Ventilation & Air Conditioning
I	Input/Integer (Based on the usage)
IANA	Internet Assigned Numbers Authority
IC	Integrated Chip
ICMP	Internet Control Message Protocol (It is one of the types of communication protocol)
ICS	Industrial Control System
IDB	Instance Data Block
IDC	Industrial Development Corporation
IEC	International Electrical Commission
IEEE	Institute of Electrical and Electronics Engineers
IETF	Internet Engineering Task Force
IFM	Integrated Function Module
IGBT	Insulated Gate Bipolar Transistor
IGMP	Internet Group Management Protocol (It is one of the types of communication protocol)
IIoT	Industrial Internet of Things
IL	Instruction List
IM	Interface Module
IN	Integer
INC	Increment
I/O	Input/Output
IOS	I/O Status
IP	Internet Protocol (It is one of the types of communication protocol)
IPV	Internet Protocol Version
IS	Idle Status
ISA	Industry Standard Architecture/ International Society of Automation
ISDN	Integrated Services Digital Network
ISO	International Organization for Standardization
ISU	IGBT Supply Unit
JMP	Jump Instruction (It is one of the types of the PLC programming instruction)
JMPN	Jump Not Instruction (It is one of the types of the PLC programming instruction)

JSR	Jump to Subroutine Instruction (It is one of the types of the PLC programming instruction)
L	Line/Low (based on the usage)
LAN	Local Area Network
LBL	Lable Instruction (It is one of the types of the PLC programming instruction)
LCI	Load Commutated Inverter
LCU	Load Control Unit
LD or LAD	Ladder Diagram (It is one of the types of the PLC programming languages)
LED	Light Emitting Diode
LET	Lesser than Instruction (It is one of the types of the PLC programming instruction)
LEQ	Less than or Equal to Instruction (It is one of the types of the PLC programming instruction)
LIM	Limit Instruction (It is one of the types of the PLC programming instruction)
LLC	Logical Link Control
LPI	Low Preset Interrupt
LPR	Low Preset Reached
LQFP	Low- Profile Quad Flat Package
LN	Natural Log Instruction (It is one of the types of the PLC programming instruction)
LOG	Log to Base 10 Instruction (It is one of the types of the PLC programming instruction)
LSB	Least Significant Bit
LV	Low Voltage
M	Memory
MAC	Media Access Control
MAU	Media Attachment Unit
MC	Cycloconverter or Matrix Converter
MCB	Miniature Circuit Breaker
MCCB	Molded Case Circuit Breaker
MCR	Master Control Relay
MCRA	Master Control Relay Activate (It is one of the types of the PLC programming instruction)
MCRD	Master Control Relay Deactivate (It is one of the types of the PLC programming instruction)
MCR<	Master Control Relay Less (It is one of the types of the PLC programming instruction)

MCR>	Master Control Relay Greater (It is one of the types of the PLC programming instruction)
MCS	Master Control set Instruction (It is one of the types of the PLC programming instruction)
MES	Manufacturing Execution System
MIB	Management Information Base
MII	Media Independent Interface
MMF	Multimode Fiber
MMI	Memory Module Information
MOV	Metal Oxide Varistor/Move (MOV is one of the types of PLC programming instruction)
MPC	Mechanical Power Control
MPI	Multi-Point Interface (It is one of the types of the communication protocol)
MSB	Most Significant Bit
MUL	Multiplication Instruction (It is one of the types of the PLC programming instruction)
MV	Medium Voltage
N	Negative/Neutral/Node (based on the usage)
NAC	Navy Automation Controller
NC	Normally Closed
NCS	Network Computing System
NEMA	National Electrical Manufacturer Associations
NERC	North American Electric Reliability Corporation
NFS	Network File System
NIC	Network Interface Card
NO	Normally Open
NOT	Not or Inversion or Inverter (It is the one of the types of the logic gates)
NPN	Negative-Positive-Negative
NRT	Near Real-Time
NRZ	Non-Return to Zero
NTP	Network Time Protocol (It is one of the types of communication protocol)
NVT	Network Viral Terminal
O	Output
OB	Organisation Block
ODT or (S_ODT)	On Delay Timer (It is one of the types of the timer instruction)

ODTS or (S_ODTS)	On Delay Extended Timer (It is one of the types of the timer instruction)
ODVA	Open Device Net Vendors Association
OEM	Original Equipment Manufacturer
OF	Overflow
OFI	Overflow Interrupt
OffDT or (S_OffDT)	Off Delay Timer
OFDM	Orthogonal Frequency-Division Multiplexing
OLR	Overload Relay
OMAC	Open Modular Architecture Controls
OMB	Output Mask Bits
OPC	OLE for Process Control
OPC-UA	Open Platform Communications Unified Architecture
OS	Operating System
OSGP	Open Smart Grid Protocol (It is one of the types of communication protocol)
OSF	One Shoot Falling Instruction
OSR	One Shoot Rising Instruction
P	Positive/Pneumatic (Based on the Usage)
PAC	Programmable Automation Controller
PAD	Portable Application Description
PAM	Plant Asset Management
PAS	Process Automation System
PARC	Palo Alto Research Center
PB	Press Button or Push Button
PC	Personal Computer
PCB	Printed Circuit Board
PCI	Peripheral Component Interconnect
PCMCIA	Personal Computer Memory Card International Association
PCN	Process Control Network
PD	Powered Device
PDO	Process Data Object
PFN	Program File Number
PHY	Physical Layer
PID	Proportional Integral Derivative
PING	Packet Internet Grope
PLC	Programmable Logic Controller
PLR	Programmable Logic Relay

PLS	Programmable Limit Switch
PM	Peripheral Module
PM	Programmer Monitor
PNP	Positive-Negative-Positive
PoE	Power over Ethernet
PPI	Point to Point (It is one of the types of communication protocol)
P2P	Peer to Peer
PRE	Preset
PROFIBUS	Process Field Bus (It is one of the types of communication protocol)
PS	Power Supply
PSE	Power Sourcing Equipment
PSxT or (S_PSxT)	Pulse Extended Timer
PT	Potential Transformer
PTO	Profinet Trade Organization or Pulse Train Output
PUR	Polyurethane
PV	Preset Value
PVC	Polyvinyl Chloride
PWM	Pulse-width Modulation
Q	Output
QCS	Quality Control System
R	Reset/Rack (Based on the usage)
RAC	Reset Accumulated Value
RAD	Radian Instruction
RAM	Random Access Memory
RARP	Reverse Address Resolution Protocol (It is one of the types of communication protocol)
RC	Reset Counter
Res	Reset
RFID	Radio-Frequency Identification
RH	Relative Humidity
RI	Routing Information
RJ	Registered Jack
RMON	Remote Monitoring
ROM	Read-Only Memory
RP	Ramp Profile
RPC	Remote Procedure Call
RPM	Real-Time Performance Management

RQ	Reset Coil
RS	Recommended Standard/Reset Set (Fil-flop)/ Run Status (Based on the usage)
RST	Reset
RT	Real-Time or Timer Reset
RTC	Real-Time Clock
RTD	Resistance Temperature Detector
RTO	Retentive Timer On
RTOS	Real-Time Operating System
RTPS	Real-Time Publish/Subscribe
RTU	Remote Terminal Unit
Rx	Receive
RZ	Return to Zero
S	Set/Status (Based on the usage)
SAE	System Architecture Evolution
SBR	Subroutine Instruction
SCADA	Supervisory Control and Data Acquisition
SCP	Scale with Parameter
SCR	Silicon Controlled Rectifier
SDB	Shared Data Block
SDO	Service Data Object
SDSP	Smart Distributed System Protocol (It is one of the types of communication protocol)
Sec	Second
SFB	System Function Block
SFC	Sequential Function Chart
SIN	Sine Instruction (It is one of the types of PLC programming instruction)
SIS	Safety Instrumented System
SLC	Smart Link Communication
SM	Signal Module
SMPS	Switch Mode Power Supply
SMTP	Simple Mail Transfer Protocol (It is one of the types of communication protocol)
SNA	Systems Network Architecture
SNMP	Simple Networking Management Protocol (It is one of the types of communication protocol)
SOAP	Simple Object Access Protocol (It is one of the types of communication protocol)

SP	Set Parameters
SPI	Serial Peripheral Interface
SQ	Set Coil
SQC	Sequencer Compare Instruction (It is one of the types of PLC programming instruction)
SQI	Sequencer Input Instruction (It is one of the types of PLC programming instruction)
SQL	Sequencer Load Instruction (It is one of the types of PLC programming instruction)
SQO	Sequencer Output Instruction (It is one of the types of PLC programming instruction)
SQRT	Square Root Instruction (It is one of the types of PLC programming instruction)
SR	Set Reset (Fil-flop)
SRTP	Service Request Transport Protocol (It is one of the types of communication protocol)
SS	Selector Switch
SSID	Service Set Identifier
SSL	Server-Side Language
SSR	Solid State Relay
ST	Structured Text or String
STEP	Siemens Technical Education Program
STI	Selectable Time Interrupt
STP	Shielded Twisted Pair
SUB	Subtraction Instruction (It is one of the types of PLC programming instruction)
SUS	Suspend Instruction (It is one of the types of PLC programming instruction)
SVPWM	Space Vector Pulse Width Modulation
T	Trigger/Timer (Based on usage) (Timer is one of the types of PLC programming instruction)
TAN	Tangent Instruction (It is one of the types of PLC programming instruction)
TCI	Tag Control Info
TCP	Transmission Control Protocol (It is one of the types of communication protocol)
TFTP	Trivial File Transfer Protocol (It is one of the types of communication protocol)
TIA	Telecommunications Industry Association
TIA	Totally Integrated Automation

THD	Total Harmonic Distortion
TLS	Transport Layer Security
TND	Temporary End Instruction
TON	On Delay Timer
TOFF	Off Delay Timer
TOS	Type of Service
TPR	Time Pulse Repeat
TRIAC	Triode for Alternating Current
TT	Timer Timing Bit or Timer Trigger
TTL	Transistor-Transistor Logic/Time to Live (Based on the Usage)
TV	Time Variable
Tx	Transmit-Out
UCMM	Unconnected Message Manger
UDP	User Datagram Protocol (It is one of the types of communication protocol)
UF	Underflow
UFI	Underflow Interrupt
UFM	Underflow Mask
UIE	User Interrupt Enable
UIX	User Interrupt Executing
UIL	User Interrupt Lost
UIP	User Interrupt Pending
UNIX	Uniplexed Information and Computing System
UPS	Uninterruptible Power Supply
USB	Universal Serial Bus
UTP	Unshielded Twisted-Pair
VAC	AC (Alternating Current) Voltage
VDC	DC (Direct Current) Voltage
VFD	Variable Frequency Drive
VIN	Vehicle Identification Number
VPN	Virtual Private Network
VSAT	Very Small Aperture Terminal
VSD	Variable Speed Drive
VSI	Voltage Source Inverter
VVVF	Variable Voltage Variable Frequency
W	Word
DW	Double Word
WAN	Wide Area Network

WEP	Wired Equivalent Privacy
WPA	WiFi Protected Access
WPAN	Wireless Personal Area Networks
X	Input (PLC Program Input)
XML	Extensible Markup Language
XOR or EX-OR	Exclusive OR Gate
XNOR or EX-NOR	Exclusive NOR Gate

آموزش PLC رایگان

اگر برای شروع یادگیری برنامه نویسی پی ال سی سؤال یا مشکلی دارید ، در بخش نظرات برای ما بنویسید . تیم ویراد نهایت تلاش خود را برای کمک به شما انجام می دهد.

در صورت نیاز می توانید به صورت رایگان با آموزشگاه فنی و حرفه ای PLC ویراد تماس بگیرید و با اساتید این مجموعه مشاوره کنید.

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همچنین شما می توانید در دوره آموزش PLC مجموعه ویراد ثبت نام کنید به به صورت عملی پروژه های مختلف برنامه نویسی پی ال سی های مختلف را انجام دهید تا به یک برنامه نویس خبره PLC تبدیل شوید.

در مقاله بعدی آموزش PLC رایگان به اصول اولیه تایمر ها در می رویم.

دوره های آموزش plc مرتبط:

- آموزش plc جامع
- آموزش plc دلتا
- آموزش plc زیمنس
- آموزش plc ویژه مهاجرت
- آموزش مجازی plc