Naming conventions for variables, Prefixes

https://alltwincat.com/2019/02/11/plc-naming-conventions/
https://infosys.beckhoff.com/content/1033/tcplclibsoverview/html/tcp

POUs

prefix	meaning	tarkoitus
FB_	Function Block	Function Block
F_	Function	Function
PRG_	Program	Program
ST_	Struct	Struct
E_	Enumeration	Enumeration
T_	Type	Type

Variables

prefix	meaning	tarkoitus
I_	physical input, boolean	Sisääntulo, Boolean
O_	physical output, boolean	Ulostulo, boolean
SI_	Safety input	Safety input
SO_	Safety output	Safety output
hi_	Handshaking input	Kättely sisään
ho_	Handshaking output	Kättely ulos
b	Boolean	Boolean
ui	UINT	UINT
i	INT	INT
n	UINT, INT, SINT, USINT, …	UINT, INT, SINT, USINT, …
by	BYTE	BYTE
w	WORD	WORD
f	REAL, LREAL	REAL, LREAL
s, str	STRING	STRING
t	Time	aika
dt	Date and time	päivämäärä ja aika
fb	Instance of a Function block	olio/ilmentymä/muuttuja Function block:sta
e	Enumeration / datatype	Enumeration / datatype
st	Instance of Struct	Instance of Struct
arr	arrays. ARRAY[...] OF …	taulukko. ARRAY[...] OF …
ref	Reference	Reference
p	pointer	pointer

olclibsprogrammingconventions.htm?id=3847869817150333494

example
FB_ValveControl
F_Add
PRG_MAIN
ST_ValveConfig
E_BlockStates

example
I_sensor1, I_doorOpen
O_valve3, O_closeDoorLock
From PLC point of view
From PLC point of view
hi_partAvailable_prev, hi_RdyToRec_next
ho_partAvailable_next, ho_RdyToRec_prev
bMemFlag, bJudgeResult
uiPartCount
iCalcResult
nPartCount [alternative for previous ones]
byMaskActive
wConfiguration
fAxisPosition
sStateName
tWaitTime
dtNextTrigger
fbValveControl_main
stValveConfig1
arrValveConfigs
refValveConfig1
pValveConfig1