

2??????????

3??????????

四、以太网通讯

????????????????????????????????????1968???????????? 1972??Metcalf?David Boggs????????????????
????????????????ALTO????????????????EARS????????????????????????????????1973?5?22?*???Metcalf
e?*????????????????????????????????????Ethernet?????????“????????????????????”?????
1979??DEC?Intel?Xerox??????????

1984????????????????????????????????????CATV????????????????????????????
??

五、PROFIBUS-DP通讯

PROFIBUS-DP??PROFIBUS-
DP????????????????????????????????????PLC?????????I/O??????????

????????PLC????????????????????????????????PLC????????????????????PLC????????????????????????????
????PLC????????????PLC????????????????????????????????DB????????????????????????????CPU????????????
????????????OB????????????????????OB????????????PLC????????????????????????PLC????????????????OB
73????????OB???S7?????H CPU????????OB73(???S7????????S7????????S7????????
????????OB73????????????????S7????????????????OB73????????????OB73????CPU????
STOP???OB80????????????????OB????S7-300 CPU????????OB80????????????????????OB????
????????????OB????????????CiR???RUN????????????????????????????????OB????????OB????????
????????OB80???OB80????CPU???STOP????????SFC 39?42????????????????OB?OB81???
????????????????????????????????????(??S7-400?)????????S7-300 CPU????????OB81??S7-40
0????????BATT.INDIC????????????????????????????????OB81???OB81????CPU????STOP???
????SFC 39?42????????????????OB?OB82??CPU?
????????OB82? OB82????????????????????????????????OB82????CPU??STOP????????SFC 3
9?42????????????????OB?OB121????????????????????????????????CPU????????OB121????
????????????CPU????????OB121?OB122I/O????????????????????????CPU????????OB122?
?????????I/O????????CPU????????????????OB122.

????plc????????????????????????????????PLC????????????????????s7-200??s7-300??S7-400????
???S7??PLC????????????????????????????????????

????PLC??

?1?

6ES7321-1BH01-0XA0

6ES7321-1BH01-0XA0

3300

1?CPU3?4?5?

1?2?3?

1?????

B????H????F????K????P????

H?16?L?32?F?8?D?4?B?

01????0.1?

0XA0?????

?2?

6ES7221-0BA23-0XA0???

6ES----?????

7-----7?S7??5?S5??

????? TIA Portal ?????S7-1200/S7-1500CPU?????

??STEP7 (TIA Portal)????CPU????S7-1200/S7-1500CPU?????

??

????SMC?SIMATIC ?????STEP 7 (TIA Portal) ?????CPU????SIMATIC Automation Tool????CPU??PC????STEP 7 (TIA Portal) ?????CPU??? e-mail????STEP 7 (TIA Portal)???? SIMATIC????SIMATIC ?????CPU????STEP7 (TIA Portal)????CPU????CPU??SIMATIC ?????SD????

??1????SIMATIC ?????,? STEP 7 (TIA Portal) ?????STEP 7 (TIA Portal) ?????Card Reader/USB Memory> Add User-defined Card Reader"???"SD Card > (G:) SIMATIC MC (Program)????CPU????01???"PLC_1 [CPU 1516-3 PN/DP]"????SIMATIC Memory Card "(G:) SIMATIC MC (Program)" ?????SMC????CPU???

reset

Input

out

Output

error

Output