

3) 840D

SINUMERIK 840D??NC????????,????????????????????840D?SINUMERIK_611??
????SIMATIC7??

西门子数控系统产品功能

????

??32????????CNC????????CNC????????????PLC???

????

??SIMDRIVE611????????31????????????
??100-9999mm/min??
????????????

????

????????AUTOMATIC(??)?JOG(??)????TEACH IN? ???????MDA?
??

?????

840D??

NC??

840D??NC????DIN 66025??(?????)????????????????????????????????
??????1?5????????????????????????????????

PLC??

840D????PLC????sIMAncs7????PLC????????288KB?u/o????2048??/????PLC????
????????????????????????????????/??????

??????

840D????????PC????????????????Windows98/2000????????2????RS232????????
??

????

840D??
????????????????????

2.1 ?????????????

????SIEMENS????????

SIEMENS????????HMI??

????????????????????802D????????SINUMERIK

802D????????NC??PLC????HMI????PROFIBUS????????????

????????????????840D????????840D????????????
40D???

2.????810D????????SINUMERIK 810D 840D ?????? - 2006???

SINUMERIK840D????????CCU?NCU??MMC,PLC????????SIMODRIVE611D
?????(CCU?NCU)????????????

1. ????

????????NC????,??MMC?OP?? MMC(Man Machine Communication)??OP(Operation
panel)??MMC,MCP(Machine Control Panel)??MMC????????CPU,????????O
P????????MMC????????

?1?MMC(Man Machine communication)

??MMC????MMCC100.2?MMC103,??MMC100.2?CPU?486,????MMC103?CPU?????
????SINUMERIK810D?MMC100.2,??SINUMERIK840D?MMC103.PCU(PC UNIT)?????
????OP10?OP10S?OP10C?OP12?OP15????MMC????PCU??——PCU20?PCU50?
PCU70, PCU20??MMC100.2????PCU50?PCU70??MMC103,????MMC????
PCU50????WINDOWS NT??PCU????HMI?

HMI????HMI??HMI????PCU20???? HMI,?PCU50?PCU70????HMI?

?2?OP(Operation pannel)

OP????10.4?TFT????NC????????OP????
OP030,OP031,OP032,OP032S????OP031????

?3??MCP(Machine control pannel)

MCP????OPI????????MCP????MCP????810D?840D?
MCP?MPI????14?6??MCP??S3????

??SINUMERIK840D??MPI?Multiple Point
Interface????187.5k/?OP????????OPI?Operator
PanellInterface????1.5M/?

2. NCU(Numerical control unit)????

SINUMERIK840D???????NCU?Numerical Controlunit????810D???CCU?compact control unit??????,??NC????,??????,???MMC??? ???COM CPU?. ??PLC CPU????DRIVE???

???????CPU???????????NCU??NCU561.2,NCU571.2,NCU572.2,NCU573.2(12?)?NCU573.2 (31?)???????NCU?????SINUMERIK840D??CPU?SIMATIC PLC CPU????????????PLC??? ??????MPI?Profibus???RS232?????????PCMCIA?????????NCU????????????

西门子数控系统数字驱动

?????Simodrive 611 Universal ??????

????????????,?611D?????1FT6(1FK6)?????

SINUMERIK840D????????SIMODRIVE611D.????????+????????

????????NC??15KW????????U/E????? ?15KW????????I/RF????????????????????

611D????:??1FT6??1FK6????????1Vpp??? ?????????????????1PH7???

4. PLC??

SINUMERIK810D/840D???PLC????????SIMATIC S7-300????????????????????Power Supply??CPU????????Interface Module????????Signal Module??PLC???CPU?NC?CPU????CCU?NCU???

?????PS???PLC?NC?????+24V?+5V?

?????IM????????????

?????SM???????PLC??/????????????????

西门子数控系统元件

????????????????????2????????????????I/O ??PP 72/48 ??? MCPA????????????MCPA ?????????PCU 210????MCPA ?????????????????????????????3I/O??PP 72/48?