

Safety integrated automation

CPUs for factory automation

Fail-safe S7-400 CPUs
CPU 414F-3 PN/DP

| 6ES7414-3FM06-0AB0 CPU 414F-3 PN/DP | |
|--|--|
| Open IE communication | |
| • TCP/IP | Yes; via integrated PROFINET interface and loadable FBs 62 |
| - Number of connections, max. | |
| • ISO-on-TCP (RFC1006) | Yes; Via integrated PROFINET interface or CP 443-1 Adv. and loadable FBs 62 |
| - Number of connections, max. | |
| • UDP | Yes; via integrated PROFINET interface and loadable FBs 62 |
| - Number of connections, max. | |
| Web server | Yes |
| Number of connections | 64 |
| Configuration | |
| • Programming language | |
| - LAD | Yes |
| - FBD | Yes |
| - STL | Yes |
| - SCL | Yes |
| - CFC | Yes |
| - GRAPH | Yes |
| - HiGraph® | Yes |
| Know-how protection | |
| • User program protection/pass-word protection | Yes |
| • Block encryption | Yes; With S7 block Privacy |
| Dimensions | |
| Width x height x depth (mm) | 50 x 290 x 219 |
| Required slots | 2 |
| Weight, approx. | 900 g |

Selection and ordering data

| | Article No. |
|--|---------------------------|
| CPU 414F-3 PN/DP | 6ES7414-3FM06-0AB0 |
| For setting up safety-related automation system; main memory 4 MB, power supply 24 V DC, MPI/PROFIBUS DP master interface, PROFINET interface, slot for memory card, module slot for 1 IF module, incl. slot number labels | |
| Distributed Safety V5.4 programming tool | |
| Task: Configuration software for configuring fail-safe user programs for SIMATIC S7-300F, S7-400F, WinAC RTX F, ET 200S, ET 200M, ET 200iSP, ET 200pro, ET 200eco Requirement: STEP 7 V5.3 SP3 and higher | |
| • Floating license | 6ES7833-1FC02-0YA5 |
| • Floating license for 1 user, license key download without software or documentation ¹⁾ ; email address required for delivery | 6ES7833-1FC02-0YH5 |
| Distributed Safety Upgrade | |
| From V5.x to V5.4; Floating license for 1 user | 6ES7833-1FC02-0YE5 |

Article No.

STEP 7 Safety Advanced V13

Task:

Engineering tool for configuring fail-safe user programs for SIMATIC S7-300F, S7-400F, S7-1500F, WinAC RTX F, ET 200SP, ET 200S, ET 200M, ET 200iSP, ET 200pro, ET 200eco

Requirement:

STEP 7 Professional V13 SP1

- Floating license for 1 user
- Floating License für 1 User, License Key Download without software and Docu¹⁾; Email address required

6ES7833-1FA13-0YA5

6ES7833-1FA13-0YH5

STEP 7 Safety Advanced Upgrade

Upgrade for STEP 7 Safety Advanced V11 to STEP 7 Safety Advanced V13.

Floating License for one User, Software and docu on CD

Distributed Safety V5.4 SP5 to Safety Advanced V13 Combo.

Combo License for parallel use Distributed Safety V5.4 and STEP 7 Safety Advanced V13.

Software and docu on CD

6ES7833-1FA13-0YE5

6ES7833-1FA13-0YF5

Memory Card RAM

64 KB

6ES7952-0AF00-0AA0

256 KB

6ES7952-1AH00-0AA0

1 MB

6ES7952-1AK00-0AA0

2 MB

6ES7952-1AL00-0AA0

4 MB

6ES7952-1AM00-0AA0

8 MB

6ES7952-1AP00-0AA0

16 MB

6ES7952-1AS00-0AA0

64 MB

6ES7952-1AY00-0AA0

FEPRAM memory card

64 KB

6ES7952-0KF00-0AA0

256 KB

6ES7952-0KH00-0AA0

1 MB

6ES7952-1KK00-0AA0

2 MB

6ES7952-1KL00-0AA0

4 MB

6ES7952-1KM00-0AA0

8 MB

6ES7952-1KP00-0AA0

16 MB

6ES7952-1KS00-0AA0

32 MB

6ES7952-1KT00-0AA0

64 MB

6ES7952-1KY00-0AA0

MPI cable

for connection of SIMATIC S7 and PG via MPI; 5 m in length

6ES7901-0BF00-0AA0

IF 964-DP interface module

6ES7964-2AA04-0AB0

For connecting an additional DP line

Slot number plates

6ES7912-0AA00-0AA0

1 set (spare part)