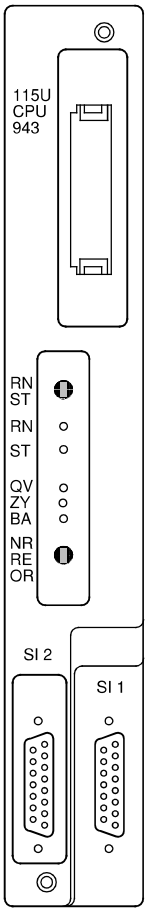
Central Processing Unit CPU 943 (with Two Serial Interfaces) (6ES5 943-7UB21)



Technical Specifications

Memory capacity (total)	maximum	24576 statements [1]
- internal memory	maximum	24576 statements [1]
- memory submodule (EPROM)	maximum	24576 statements [1]
- memory submodule (EEPROM)	maximum	8192 statements [1]
Scan time monitoring		
- per binary operation	approx.	0.8 µsec.
- per word operation	approx.	0.8 to 160 µsec.
Clock		
- Accuracy t_g		± 2sec. /day
- Temperature dependency t_A (ambient termperature T_U in °C)		-3.5 x $(T_U-15)^2$ msec. /day
- e.g. tolerance at 40°C		± 2 sec.-3,5 x $(40 - 15)^2$ msec./day
	approx.	0 to - 4 sec./day
Scan time monitoring	approx.	500 msec. (can be modified)
Flags		2048; optionally half or all retentive [2]
Timers		
- number		128; optionally half or all retentive [2]
- range		0,01 to 9990 sec.
Counters		
- number		128; optionally half or all retentive [2]
- range		0 to 999 (up, down)
Digital inputs		
Digital outputs - total	maximum	2048
Analog inputs		
Analog outputs - total	maximum	128
Organization blocks	maximum	256
Program blocks	maximum	256
Function blocks	maximum	256 (can be assigned parameters)
Sequence blocks	maximum	256
Data blocks	maximum	254
Operations set	approx.	170 operations
Required backup current from the backup battery at power off		
- internal RAM	approx.	100 µA
- RAM submodule	approx.	200 µA
Current consumption		
- from 5 V (internal)	typically	0.45 A
- from 24 V		
(without programmer)		0.08 A
(with programmer)		0.12 A
Power losses of the module	typically	4.5 W
- with two programmers	typically	5.5 W
Weight	approx.	0.8 kg (1.76 lb.)

[1] A statement usually takes up two bytes in the program memory
[2] In the case of battery backup