

  	نگهداشت و افزایش تولید میدان نفتی بینک سطح الارض			 NISOC
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MTTR and MTBF CALCULATION

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1.1 Objective

The aim of this document is calculation of MTBF & MTTR (Reliability) of EICS to be applied to Water Transmission Pipe line From Kousar Dam To Gachsaran Petrochemical Co. Project. Reliability refers to the capability of this system and technical equipment to fulfill its function during its operating period. This is usually no longer the case if any of its components fails. So a commonly used measure for reliability is the MTBF (Mean Time between Failures). This can be analyzed statistically based on the parameters of running systems, or by calculating the failure rates of the components used.

1.2 Document management

This document is created by Control Sazan Company engineering department and it is a description of control system to achieve more recognition of system.

1.3 Abbreviations

CS:	Control System
MTTR:	Mean Time to Repair
MTBF:	Mean Time between Failures
MDT:	Mean Down Time
OSM:	Optical Switch Module
ESM:	Electrical Switch Module
CPU:	Central Processing Unit
PLC:	Programmable Logic Controller

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2. MTTR Calculation

The use of redundant modules considerably prolongs the MTBF of a system. The combination of integrated high-quality self-tests and error detection mechanisms of the S7-400H CPUs allow the detection and localization of virtually all errors. The MTBF of an S7-400H is determined by the MDT (Mean down Time) of a system unit. This time is derived in essence from the error detection time plus the time required repairing or replacing defective modules. In addition to other measures, a CPU provides a self-test function with an adjustable test cycle time. The default test cycle time is 90 minutes. This time has an influence on the error detection time. The repair time usually required for a modular system such as the S7-400H is four hours.

3. MTBF Calculation

3.1 Modeling of the system

The elements that affect the availability factor in this system are as follow:

- CPUs
- Main rack power supplies
- Power supplies for I/O cards
- Communication cards

So based on the above elements the system will be modeled as follows:



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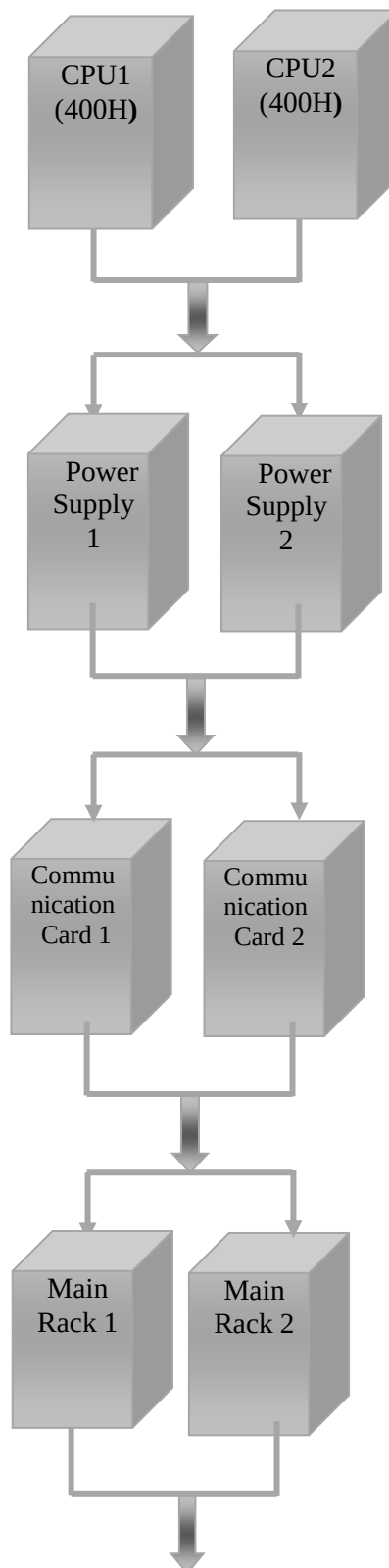
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Model for PDCS:



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3.2 PDCS MTBF Calculation

The value of MTBF for each equipment have been read from the attachment table which is obtained from SIEMENS website (automation.siemens.com)

MTBF for individual main PLC equipment:

Modules	MTBF (Years)
CPU	23
CP443-1	40.6
POWER SUPPLY 407	60
ETHERNET SWITCH	132.9
IM 153-2	106
CP	145.6
DI	30.6
DO	16.5
AI	61
RACK	291

Modules MTBF (Years)

MTBF for redundant system of PDCS:

$$MTBF_{TOTAL} = MTBF_{MASTER} \times MTBF_{RESERVE}$$

$$(MTBF_{MASTER})^{-1} = (MTBF_{CPU})^{-1} + (MTBF_{PS})^{-1} + (MTBF_{CP})^{-1} + (MTBF_{ES})^{-1}$$

$$(MTBF_{RESERVE})^{-1} = (MTBF_{MASTER})^{-1} = (23)^{-1} + (60)^{-1} + (40.6)^{-1} + (132.9)^{-1}$$

$$\Rightarrow MTBF_{MASTER} = MTBF_{RESERVE} = 12.49 \text{ Years.}$$

$$\Rightarrow MTBF_{TOTAL} = 156 \text{ Years.}$$

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ATTACHMENT #1 (Reference documents)



Mean Time Between Failures (MTBF)

service & SUPPORT

Background information on MTBF

SIEMENS



What is this about?

The Mean Time Between Failures (MTBF) is a statistical mean value for error-free operation of an electronic device. The specification of this statistical value in years often leads to it being wrongly interpreted as the service life of the component. Therefore, below we will show you

- What is to be understood by service life and MTBF.
- How to use the MTBF to determine the probability of failure.

What is to be understood by service life?

The service life is the time for which the device or component is designed to function. This, therefore, is the time up to the beginning of the wear-and-tear phase through a physical law or aging due to chemical reactions. In the case of devices with electromechanical parts (relays), the service life is mainly defined by the number of operations and the load connected.

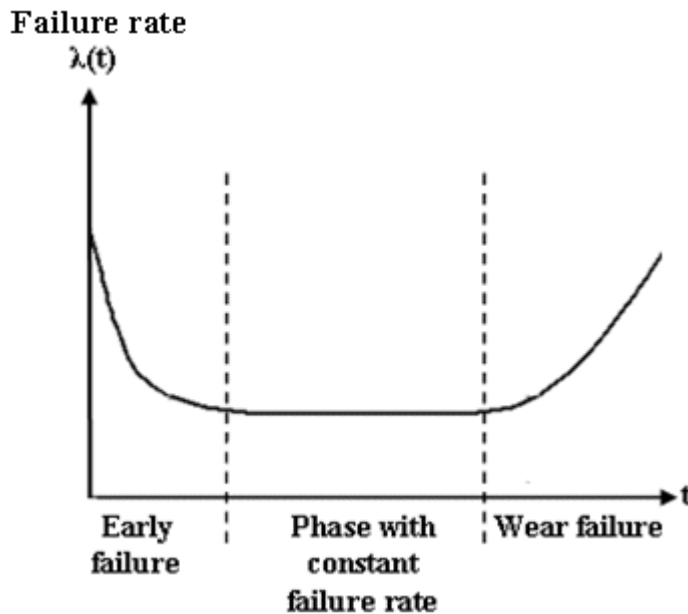
What is to be understood by MTBF?

The MTBF does not apply to an individual component, but is a statistical mean value for the average time between two failures during the normal working life. The MTBF always refers to the phase with constant failure rate (i.e. without early or wear failures (see "bathtub curve" figure)).

The higher the MTBF, the less often the component concerned fails and the more reliable it is. According to DIN 40041, reliability is understood to be the "the property of an entity to fulfill its reliability requirements during or after a given time span under given application conditions". You must note here that in addition to the MTBF value, the environment and operating conditions (in particular temperature), the failure criteria and the duration of the value's validity must be specified and taken into consideration. If a device is operated under conditions beyond its specification (e.g. at extremely high ambient temperatures or subject to a massive EMC load), then the MTBF values are no longer valid and large numbers of failures might occur.

Bathtub curve

The reciprocal value of the MTBF that is a measure for the reliability of a component is the failure rate λ . Plotting of the statistical failure rate λ over time t gives the bathtub function shown below (bathtub curve).



Failure rate

Failure rates have the dimension of 1/time unit. The term FIT (failures in time) is also often used for individual components. This describes a failure rate with reference to a relevant time base: $1 \text{ FIT} = 10^{-9} \text{ h}^{-1}$.

The MTBF is determined by adding together the FIT values of the individual components.

The early failure phase is mainly characterized by defective components that are identified during manufacture and in the end are not available to the user. The wear failure phase is defined mainly by the wear and tear of the components. The phase with the constant failure rate is the useful life of the component. During this time you can assume a defined (constant) failure of the components.

Probability of failure

An exponential distribution is used to define the probability of failure of electronic and electromechanical components. The following holds:

$$F(t) = 1 - e^{-\lambda t}$$

Where

- $F(t)$ is the probability of failure
- λ is the failure rate in 1/time unit (1/h, for example)
- t is the observed service life (h, for example)

This correlation applies only for the phase of constant failure rate in the bathtub curve, i.e. for $\lambda = \text{constant}$. Under these conditions, the relationship below holds for the MTBF:

$$\text{MTBF} = 1 / \lambda \text{ or } \lambda = 1 / \text{MTBF}$$

If you now replace the failure rate λ in $F(t)$, you get the following result:

$$F(t) = 1 - e^{(-t/\text{MTBF})}$$

Thus, you can easily calculate the probability of failure from the MTBF specified by the manufacturer and an assumed constant failure rate.

Example

After one year's delivery, there are 20,000 components in the field with an MTBF of 60 years. How high is the probability of failure of the components?

With $F(t) = 1 - e^{(-1/60)}$ where $t=1\text{a}$ and $\text{MTBF}=60\text{a}$ the result is:

$F(t) = 0.0165$, which means that the probability of failure of the components is 1.65%. For the assumed 20,000 components this means that from the statistical point of view 330 components may fail within one year. However, practice has shown that with electronic components in particular, there are much less failures.

Determining the $MTTF_D$ from the MTBF

The MTTF (**M**ean **T**ime to failure) and $MTTF_D$ (**M**ean **T**ime to failure **d**angerous) are the mean time to failure and mean time to dangerous failure respectively. In practice you can determine the MTTF or $MTTF_D$ with known MTBF using the relationships below.

$$MTTF = 1 / \lambda \text{ or } \lambda = 1 / MTTF \text{ (basic equation from IEC 62061)}$$

In this way, the MTBF values are equivalent to the MTTF values also in the context of ISO 13849-1. However, this only applies for as long as there are no dangerous failures (MTTF without index "d").

When considering dangerous failures, it is assumed that statistically only every other failure is a potentially dangerous failure. The following thus holds:

$$MTTF_D = 2 \cdot MTTF$$

With equalization of MTTF and MTBF the result is:

$$MTTF_D = 2 \cdot MTBF$$

This relationship that complies with IEC 61508 and ISO 13849-1 holds for electronic components under the following conditions:

- The permissible ambient conditions must be met.
- The Mean Time to Repair (MTTR) is significantly less than the MTBF.

Reliability Consulting



Reliability / Availability Description:

Nowadays, many terms which are part of the *Reliability Engineering* jargon are derived from the daily life's vocabulary. Even though these terms are, generally speaking, "comprehensible", they require to be delimited and defined within the proper context, in order to have a clear understanding of what is *Reliability Engineering* about.

According to IEEE... /IEC... /MIL... /DIN..., **Reliability** can be defined as "the ability of an item to perform a required function specified by its intended purpose, under stated conditions during a given period of time".

Notwithstanding Reliability is not a quantifiable magnitude, all quantitative observations, as the quality of a system, refer to a finite and delimited period of observations, in other words, the duration of the mission.

Moreover, in Reliability Engineering, Availability (A) is used as a quantitative magnitude.

According to IEEE... /IEC... /MIL... /DIN..., **Availability** refers to the probability of finding an item in an operational state at a given time".

Accordingly, availability is the relationship between two times, namely the average time of failure-free operation (during the mission) and the overall duration of the mission.

Furthermore, the average time of failure-free operation during the mission is known as the **Mean Time Between Failure (MTBF)**. This term is based on the assumption that when a failure occurs, the system does not generally remain in the down state for the rest of time the mission lasts, but is renewed or repaired.

Additionally, the time required for renewal or repair (i.e. from the start of the down state to the restoration of the up state) is known as the **Mean Time to Repair (MTTR)**, often also called **Mean Down Time (MDT)**.

If repairs are always carried out upon occurrence of a failure, then the duration of the mission is the sum of MTBF and MTTR.

For this standard, a practical case of availability is:

$$A = \text{MTBF} / (\text{MTBF} + \text{MTTR})$$

Since technical systems are generally accepted and implemented only when they have high availability, A is a figure that is less (but very close) than 1.

MTBF = Mean Time Between Failure (average failure-free time)

The term MTBF applies to parts, components, modules, subsystems, systems and plants.
In most cases the stress factor temperature of 40 degrees (C) is taken as a basis.

Calculations for parts, components and modules are based on the following standards

IEC 61709, SN 29500 and MIL-HDBK-217F

The "Parts Count" standard applies in this case. For instance, all component's failure rates are considered, regardless of the associated structure added (this does not apply to non-redundant system structures).

$$1 / (\text{MTBF}_{\text{total}}) = 1 / (\text{MTBF}_{\text{part 1}}) + \dots + 1 / (\text{MTBF}_{\text{part n}})$$

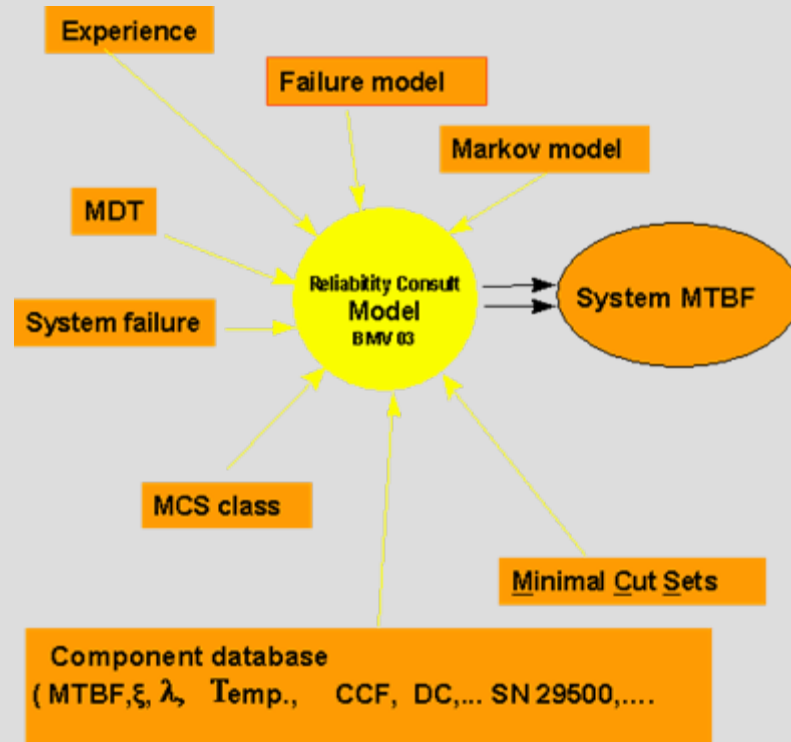
Reliability Consulting



Calculations for subsystems, systems and plants are based on the following standards:

**IEEE 352, IEC 60300-3-1,
IEC 61069-5, MIL-STD 756B,
MIL-HDBK 338B.....**

**A model is constructed
based on the components,
taking into account
the associated structure.**



$$\text{MTBF}_{\text{total}} = f (\text{MTBF}_{\text{comp}}, \text{MTTR}, \text{CCF}, \text{DC}, \text{temp.}, \xi, \text{structure}, \dots)$$

PLC Module

The following specified values of MTBF are statistic values which serve only for the estimation of maintenance and substitute needs. These values are no guaranteed product attribute.

Order Number	Type Description	System	MTBF (year)
6AT1735-0AA01-0AA0	CM35	SIMATIC S7	151.0
6ES7540-1AB00-0AA0	CM PtP Basic RS422/485	SIMATIC S7-1500	121.2
6ES7120-0AH00-0AA0		SIMATIC S7	1124.7
6ES7120-0AH01-0AA0	TB 16SC 16 channels	SIMATIC S7	1124.7
6ES7120-0AH50-0AA0	TB 16 IM-SC (screw)	SIMATIC S7	2371.6
6ES7120-0BH00-0AA0		SIMATIC S7	1124.7
6ES7120-0BH01-0AA0	TB 16SC 16 channels	SIMATIC S7	1124.7
6ES7120-0BH50-0AA0	TB 16 IM-SC	SIMATIC S7	1021.7
6ES7120-1AH00-0AA0		SIMATIC S7	20680.3
6ES7120-1BH00-0AA0		SIMATIC S7	20680.3
6ES7120-2AH00-0AA0		SIMATIC S7	10340.1
6ES7120-2BH00-0AA0		SIMATIC S7	10340.1
6ES7121-1BB00-0AA0	DI DC24V	SIMATIC S7	566.2
6ES7121-1FA00-0AA0	DI AC120/230V	SIMATIC S7	324.8
6ES7122-1BB00-0AA0	DO DC24V/0.5A	SIMATIC S7	140.1
6ES7122-1BB10-0AA0	DO DC24V/2A	SIMATIC S7	85.2
6ES7122-1FA00-0AA0	DO AC230V/1A	SIMATIC S7	281.8
6ES7122-1HA00-0AA0	DO Relais DC/AC	SIMATIC S7	495.1
6ES7122-1HA01-0AA0	DO Relais	SIMATIC S7	495.1
6ES7123-1FB00-0AB0	AI	SIMATIC S7	88.3
6ES7123-1GB00-0AB0	AI	SIMATIC S7	88.3
6ES7123-1GB10-0AB0	2 AI +-20mA, 4...20mA high acc.	SIMATIC S7	88.3
6ES7123-1JA00-0AB0	AI	SIMATIC S7	87.8
6ES7123-1JB00-0AB0	AI	SIMATIC S7	88.3
6ES7124-1FA00-0AB0	AO	SIMATIC S7	90.6
6ES7124-1GA00-0AB0	AO	SIMATIC S7	90.0
6ES7127-1BE00-0AB0	Counter	SIMATIC S7	85.1
6ES7131-0BH00-0XB0	ET200 16DI	SIMATIC S7	38.8
6ES7131-0BL10-0XB0	ET200 32DI	SIMATIC S7	34.3
6ES7131-1BH00-0XB0	ET200 16DI	SIMATIC S7	35.5
6ES7131-1BH01-0XB0	16DI, 24V DC 2-wire	SIMATIC S7	35.5
6ES7131-1BH10-0XB0	ET200 16DI	SIMATIC S7	20.5
6ES7131-1BH12-0XB0	16DI, 24V DC 2-wire	SIMATIC S7	20.5
6ES7131-1BL00-0XB0	ET200 32DI	SIMATIC S7	20.9
6ES7131-1BL01-0XB0	32 DI 24V 2-wire	SIMATIC S7	20.9
6ES7131-1BL10-0XB0	ET200 32DI	SIMATIC S7	14.6
6ES7131-1BL12-0XB0	32 DI/ 24V DC	SIMATIC S7	14.6
6ES7131-4BB00-0AA0	2DI standard	SIMATIC S7	501.8
6ES7131-4BB00-0AB0	ET200 digital in	SIMATIC S7	214.9
6ES7131-4BB01-0AA0	2DI standard	SIMATIC S7	501.8
6ES7131-4BB01-0AB0	ET200 digital in	SIMATIC S7	214.9
6ES7131-4BD00-0AA0	4DI standard	SIMATIC S7	140.0
6ES7131-4BD00-0AB0	ET200 digital in	SIMATIC S7	215.1
6ES7131-4BD01-0AA0	4DI standard	SIMATIC S7	140.0
6ES7131-4BD01-0AB0	ET200 digital in	SIMATIC S7	215.1
6ES7131-4BD50-0AA0	4DI source input standard	SIMATIC S7	140.0
6ES7131-4BF00-0AA0	DI 8DI DC24V HD	SIMATIC S7	251.7
6ES7131-4BF01-0AB0	DI 8DI DC24V HD	SIMATIC S7	289.1
6ES7131-4BF50-0AA0	ET200S, 8DI, DC24V	SIMATIC S7	263.3
6ES7131-4CD02-0AB0	ET200S, 4DI, UC 24V...48V	SIMATIC S7	38.6
6ES7131-4EB00-0AB0	2DI 120V AC	SIMATIC S7	850.0
6ES7131-4EB01-0AB0	2DI 120V AC	SIMATIC S7	850.0

PLC Module

The following specified values of MTBF are statistic values which serve only for the estimation of maintenance and substitute needs. These values are no guaranteed product attribute.

Order Number	Type Description	System	MTBF (year)
6ES7131-4FB00-0AB0	2 DI 230V AC	SIMATIC S7	669.0
6ES7131-4RD02-0AB0	4 DI Namur	SIMATIC S7	203.3
6ES7131-6BF00-0BA0	ET200SP DI 8x24VDC	SIMATIC S7	302.01
6ES7131-6BF00-0CA0	DI 8x24VDC/0.5A HF	SIMATIC S7	252.5
6ES7131-6BH00-0BA0	ET200SP DI 16x24VDC	SIMATIC S7	284.55
6ES7131-6BF60-0AA0	ET200SP DI 8x24VDC SRC BA	SIMATIC S7	250.02
6ES7131-6FD00-0BB1	ET200SP DI 4x120...230VAC ST	SIMATIC S7	356.38
6ES7131-6TF00-0CA0	ET200SP DI 8xNAMUR HF	SIMATIC S7	92.4
6ES7131-7RF00-0AB0	8 DI Namur	SIMATIC S7	91.7
6ES7132-0BH00-0XB0	ET200 DO	SIMATIC S7	36.9
6ES7132-0BH01-0XB0	16 DO 24V DC, 0,5A	SIMATIC S7	36.9
6ES7132-0BH10-0XB0	ET200 DO	SIMATIC S7	13.1
6ES7132-0BH11-0XB0	16 DO 24V DC 2A	SIMATIC S7	13.1
6ES7132-0BL00-0XB0	ET200 32DO	SIMATIC S7	15.3
6ES7132-0BL01-0XB0	32 DO 24V DC 0,5A	SIMATIC S7	15.3
6ES7132-0GF00-0XB0	ET200 DO	SIMATIC S7	50.8
6ES7132-1BH00-0XB0	ET200 16DO	SIMATIC S7	33.9
6ES7132-1BH10-0XB0	ET200 16DO	SIMATIC S7	20.0
6ES7132-1BH11-0XB0	16 DO, 24V DC, 0,5A	SIMATIC S7	20.0
6ES7132-1BL00-0XB0	ET200 32DO	SIMATIC S7	19.8
6ES7132-4BB00-0AA0	2DO standard	SIMATIC S7	268.7
6ES7132-4BB00-0AB0	ET200 digital out	SIMATIC S7	186.1
6ES7132-4BB01-0AA0	2DO standard	SIMATIC S7	268.7
6ES7132-4BB01-0AB0	ET200 digital out	SIMATIC S7	186.1
6ES7132-4BB30-0AA0	2DO standard	SIMATIC S7	92.2
6ES7132-4BB30-0AB0	ET200 digital out	SIMATIC S7	160.3
6ES7132-4BB31-0AA0	2DO standard	SIMATIC S7	92.2
6ES7132-4BB31-0AB0	ET200 digital out	SIMATIC S7	160.3
6ES7132-4BD00-0AA0	4DO standard	SIMATIC S7	101.8
6ES7132-4BD00-0AB0	4DO HF	SIMATIC S7	101.8
6ES7132-4BD01-0AA0	4DO standard	SIMATIC S7	132.8
6ES7132-4BD02-0AA0	4DO standard	SIMATIC S7	132.8
6ES7132-4BD30-0AA0	4DO standard	SIMATIC S7	79.4
6ES7132-4BD30-0AB0	4DO HF	SIMATIC S7	79.4
6ES7132-4BD31-0AA0	4DO standard	SIMATIC S7	51.0
6ES7132-4BD32-0AA0	ET200S 4DO DC24V/2A	SIMATIC S7	217.2
6ES7132-4BD50-0AA0	ET200S, 4DO, DC24V/0,5A	SIMATIC S7	347.2
6ES7132-4BF00-0AA0	DO DC24V/0,5A HD	SIMATIC S7	393.6
6ES7132-4BF00-0AB0	8DO HF	SIMATIC S7	393.6
6ES7132-4BF50-0AA0	ET200S, 8DO, DC24V/0,5A	SIMATIC S7	181.7
6ES7132-4FB00-0AB0	2DO 120/230V AC	SIMATIC S7	191.0
6ES7132-4FB01-0AB0	2DO 120/230V AC	SIMATIC S7	191.0
6ES7132-4HB00-0AB0	ET200 digital out	SIMATIC S7	272.2
6ES7132-4HB01-0AB0	ET200 digital out	SIMATIC S7	272.2
6ES7132-4HB12-0AB0	ET200S, 2DO Relay	SIMATIC S7	56.6
6ES7132-4HB50-0AB0	ET200S, 2 RO, NO/NC	SIMATIC S7	504.7
6ES7132-6BD20-0BA0	ET200SP DQ 4x24VDC	SIMATIC S7	279.39
6ES7132-6BD20-0CA0	ET200SP DQ 4x24VDC/2A HF	SIMATIC S7	226.1
6ES7132-6BF00-0BA0	ET200SP DQ 8x24VDC	SIMATIC S7	338.36
6ES7132-6BF00-0CA0	ET200SP DQ 8x24VDC/0.5A HF	SIMATIC S7	276.6
6ES7132-6BF60-0AA0	ET200SP DQ 8x24VDC/0,5A SNK	SIMATIC S7	146.83
6ES7132-6BH00-0BA0	ET200SP DQ 16x24VDC	SIMATIC S7	267.1

PLC Module

The following specified values of MTBF are statistic values which serve only for the estimation of maintenance and substitute needs. These values are no guaranteed product attribute.

Order Number	Type Description	System	MTBF (year)
6ES7132-6FD00-0BB1	ET200SP DQ 4x24VAC..230V/2A	SIMATIC S7	137.15
6ES7132-6GD50-0BA0	ET200SP RQ 4x24VUC/2A CO ST	SIMATIC S7	86.24
6ES7132-6HD00-0BB0	ET200SP RQ NO 4x120VDC/230VAC/5A ST	SIMATIC S7	328.7
6ES7132-7GD00-0AB0	ET200iSP, 4DO, 23,1V	SIMATIC S7	62.8
6ES7132-7GD10-0AB0	ET200iSP, 4DO, 17,4V	SIMATIC S7	62.8
6ES7132-7GD20-0AB0	ET200iSP, 4DO, 17,4V	SIMATIC S7	62.9
6ES7132-7GD21-0AB0	ET200iSP, 4DO, 17,4V	SIMATIC S7	72.5
6ES7132-7GD30-0AB0	ET200iSP, 4DO, DC25,5V	SIMATIC S7	72.5
6ES7132-7HB00-0AB0	ET200iS, 2RO UC60V/2A	SIMATIC S7	215.1
6ES7132-7RD00-0AB0	4 DO DC 23,1V, 20mA	SIMATIC S7	62.8
6ES7132-7RD01-0AB0	4 DO DC 23,1V, 20mA	SIMATIC S7	62.8
6ES7132-7RD10-0AB0	4 DO DC17,4V/ 27mA	SIMATIC S7	62.8
6ES7132-7RD11-0AB0	4 DO DC17,4V/ 27mA	SIMATIC S7	62.8
6ES7132-7RD20-0AB0	4 DO DC 17,4V/ 40mA	SIMATIC S7	62.9
6ES7132-7RD21-0AB0	4 DO DC 17,4V/ 40mA	SIMATIC S7	62.9
6ES7132-7RD22-0AB0	4 DO DC 17,4V/ 40mA	SIMATIC S7	72.5
6ES7133-0BH00-0XB0	ET200 8DI/8DO	SIMATIC S7	45.8
6ES7133-0BH01-0XB0	8DI/8DO	SIMATIC S7	45.8
6ES7133-0BH10-0XB0	ET200 8DI/8DO	SIMATIC S7	45.8
6ES7133-0BL00-0XB0	ET200 16DI/16DO	SIMATIC S7	23.4
6ES7133-0BN10-0XB0	ET200 24DI/8DO	SIMATIC S7	26.7
6ES7133-0BN11-0XB0	24DI/8 DO	SIMATIC S7	26.7
6ES7133-1BL00-0XB0	ET200 16DI/16DO	SIMATIC S7	20.3
6ES7133-1BL01-0XB0	16DI/16DO	SIMATIC S7	20.3
6ES7133-1BL10-0XB0	ET200 16DI/16DO	SIMATIC S7	14.3
6ES7133-1BL11-0XB0	16DI/16DO, 24V DC	SIMATIC S7	14.3
6ES7134-4FB00-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4FB01-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4FB51-0AB0	ET200S, 2AI U	SIMATIC S7	216.1
6ES7134-4FB52-0AB0	ET200S, 2AI U	SIMATIC S7	124.7
6ES7134-4GB00-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4GB01-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4GB10-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4GB11-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4GB51-0AB0	ET200S analog input	SIMATIC S7	216.1
6ES7134-4GB52-0AB0	ET200S, 2AI I High Speed	SIMATIC S7	88.7
6ES7134-4GB61-0AB0	ET200S, analog input	SIMATIC S7	216.1
6ES7134-4GB62-0AB0	ET200S, 2AI I 4Wire	SIMATIC S7	88.5
6ES7134-4GD00-0AB0	ET200S, 4AI 2wire	SIMATIC S7	189.5
6ES7134-4JB00-0AB0	ET200 analog input	SIMATIC S7	88.2
6ES7134-4JB01-0AB0	ET200S, 2AI TC	SIMATIC S7	193.6
6ES7134-4JB50-0AB0	ET200 analog input	SIMATIC S7	64.8
6ES7134-4JB51-0AB0	ET200S, 2 AI RTD	SIMATIC S7	97.3
6ES7134-4JD00-0AB0	ET200S, 4 AI TC	SIMATIC S7	178.5
6ES7134-4LB00-0AB0	2AI high feature	SIMATIC S7	130.0
6ES7134-4LB02-0AB0	2AI high feature	SIMATIC S7	130.0
6ES7134-4MB00-0AB0	2AI high feature	SIMATIC S7	133.0
6ES7134-4MB02-0AB0	2AI high feature	SIMATIC S7	101.7
6ES7134-4NB00-0AB0	2AI TC high feature	SIMATIC S7	84.4
6ES7134-4NB01-0AB0	2AI TC high feature	SIMATIC S7	84.4
6ES7134-4NB50-0AB0	2AI RTD high feature	SIMATIC S7	107.4
6ES7134-4NB51-0AB0	ET200S, 2AI RTD HF	SIMATIC S7	202.0

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Order Number	Type Description	System	MTBF (year)
6ES7134-6GD00-0BA1	ET200SP AI 4xI 2-/4-wire	SIMATIC S7	98.68
6ES7134-6HB00-0CA1	ET200SP AI 2xU/I2-/4-wire HF	SIMATIC S7	84.9
6ES7134-6HB00-0DA1	ET200SP AI 2xU/I 2-/4-wire HS	SIMATIC S7	83.2
6ES7134-6HD00-0BA1	ET200SP AI 4xU/I 2-wire	SIMATIC S7	100.2
6ES7134-6JD00-0CA1	ET200SP AI 4xRTD/TC	SIMATIC S7	113.3
6ES7134-6JF00-0CA1	ET200SP AI 8xRTD/TC 2-wire HF	SIMATIC S7	109.9
6ES7134-6PA00-0BD0	ET200SP AI Energy Meter ST	SIMATIC S7	157.1
6ES7134-7SD00-0AB0	4 AI TC	SIMATIC S7	110.5
6ES7134-7SD50-0AB0	4 AI RTD	SIMATIC S7	118.8
6ES7134-7SD51-0AB0	ET200iS, 4AI RTD	SIMATIC S7	141.7
6ES7134-7TD00-0AB0	4 AI HART I 2wire	SIMATIC S7	49.5
6ES7134-7TD50-0AB0	4 AI HART I 4wire	SIMATIC S7	80.4
6ES7135-4FB00-0AB0	ET200 analog out	SIMATIC S7	59.7
6ES7135-4FB01-0AB0	ET200 analog out	SIMATIC S7	59.7
6ES7135-4FB52-0AB0	ET200S 2AO U High Speed	SIMATIC S7	83.2
6ES7135-4GB00-0AB0	ET200 analog out	SIMATIC S7	59.7
6ES7135-4GB01-0AB0	ET200 analog out	SIMATIC S7	59.7
6ES7135-4GB52-0AB0	ET200S, 2AO I	SIMATIC S7	83.1
6ES7135-4LB00-0AB0	2AO high feature	SIMATIC S7	30.0
6ES7135-4LB02-0AB0	2AO high feature	SIMATIC S7	30.0
6ES7135-4MB00-0AB0	2 AO high feature	SIMATIC S7	25.0
6ES7135-4MB01-0AB0	2 AO high feature	SIMATIC S7	72.0
6ES7135-4MB02-0AB0	2 AO high feature	SIMATIC S7	161.8
6ES7135-6HB00-0CA1	ET200SP AQ 2xU/I HF	SIMATIC S7	142.5
6ES7135-6HB00-0DA1	ET200SP AQ 2xU/I HS	SIMATIC S7	157.2
6ES7135-6HD00-0BA1	ET200SP AQ 4xU/I ST	SIMATIC S7	141.6
6ES7135-7TD00-0AB0	4 AO HART I	SIMATIC S7	51.0
6ES7136-6BA00-0CA0	ET200SP F-DI HighFeature	SIMATIC S7	65.0
6ES7136-6DB00-0CA0	ET200SP F-DQ HighFeature	SIMATIC S7	59.5
6ES7136-6PA00-0CA0	ET200SP F-PM	SIMATIC S7	62.2
6ES7136-6RA00-0BF0	ET200SP F-RQ	SIMATIC S7	215.9
6ES7137-6AA00-0BA0	ET200SP CM PtP	SIMATIC S7	127.0
6ES7137-6BD00-0BA0	ET200SP IO-Link Master	SIMATIC S7	110.0
6ES7138-1XL00-0XB0	IM-SC-interfacemodule	SIMATIC S7	65.6
6ES7138-4AA01-0AA0	ET200S	SIMATIC S7	140.0
6ES7138-4AA11-0AA0	ET200S	SIMATIC S7	140.0
6ES7138-4CA00-0AA0	ET200 power module	SIMATIC S7	386.2
6ES7138-4CA01-0AA0	ET200S, PM-E DC	SIMATIC S7	903.1
6ES7138-4CA50-0AB0	ET200S PM-E, DC24-48V	SIMATIC S7	911.8
6ES7138-4CA60-0AB0	ET200S, PM-E DC24V HF	SIMATIC S7	681.1
6ES7138-4CA80-0AB0	ET200S, power module	SIMATIC S7	525.3
6ES7138-4CB10-0AB0	ET200S, power module	SIMATIC S7	38.2
6ES7138-4CB11-0AB0	ET200S PM-E DC 24-48V	SIMATIC S7	387.5
6ES7138-4CF00-0AB0	ET200S, F-powermodul	SIMATIC S7	35.5
6ES7138-4CF01-0AB0	ET200S, PM E-F pm	SIMATIC S7	35.5
6ES7138-4CF02-0AB0	PM E-F pm DC24V	SIMATIC S7	35.5
6ES7138-4CF03-0AB0	PM E-F pm DC24V	SIMATIC S7	35.5
6ES7138-4CF40-0AB0	PM E-F pp DC24V	SIMATIC S7	43.1
6ES7138-4CF41-0AB0	PM E-F pp DC 24V	SIMATIC S7	43.1
6ES7138-4DA00-0AB0	ET200, countermodule	SIMATIC S7	62.4
6ES7138-4DA02-0AB0	Count1	SIMATIC S7	62.4
6ES7138-4DA04-0AB0	1Count24V	SIMATIC S7	69.1

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Order Number	Type Description	System	MTBF (year)
6ES7138-4DB00-0AB0	ET200, SSI-module	SIMATIC S7	74.2
6ES7138-4DB02-0AB0	1SSI	SIMATIC S7	79.6
6ES7138-4DC00-0AB0	ET200, FM-step	SIMATIC S7	71.8
6ES7138-4DD00-0AB0	2Pulse	SIMATIC S7	82.8
6ES7138-4DD01-0AB0	2Pulse	SIMATIC S7	187.2
6ES7138-4DE00-0AB0	ET200S, 5V-Counter	SIMATIC S7	55.6
6ES7138-4DE02-0AB0	1Count 5V	SIMATIC S7	52.5
6ES7138-4DF00-0AB0	1SI serial interface	SIMATIC S7	1671.0
6ES7138-4DF01-0AB0	ET200S 1SI 3964/ASCII	SIMATIC S7	172.1
6ES7138-4DF11-0AB0	ET200S Modbus	SIMATIC S7	172.1
6ES7138-4DG00-0AB0	ET200S, Positioning INC_DIG	SIMATIC S7	58.9
6ES7138-4DH00-0AB0	ET200S, Positioning SSI_DIG	SIMATIC S7	59.0
6ES7138-4DJ00-0AB0	1POS inc	SIMATIC S7	46.7
6ES7138-4DK00-0AB0	1POS SSI	SIMATIC S7	46.7
6ES7138-4DL00-0AB0	1PosU digital	SIMATIC S7	46.3
6ES7138-4FA00-0AB0	ET200S, F-In	SIMATIC S7	40.2
6ES7138-4FA01-0AB0	ET200S, F-In	SIMATIC S7	40.2
6ES7138-4FA02-0AB0	ET200S, F-In	SIMATIC S7	40.2
6ES7138-4FA03-0AB0	ET200S, F-In	SIMATIC S7	40.2
6ES7138-4FA04-0AB0	ET200S, F-In	SIMATIC S7	44.2
6ES7138-4FA05-0AB0	ET200S, F-In	SIMATIC S7	94.6
6ES7138-4FB00-0AB0	ET200S, F-Out	SIMATIC S7	33.6
6ES7138-4FB01-0AB0	ET200S, F-Out	SIMATIC S7	33.6
6ES7138-4FB02-0AB0	ET200S, F-Out	SIMATIC S7	33.6
6ES7138-4FB03-0AB0	ET200S, F-Out	SIMATIC S7	33.6
6ES7138-4FB04-0AB0	ET200S, F-Out	SIMATIC S7	70.4
6ES7138-4FC00-0AB0	ET200S-F, 4F-DI/3F DO	SIMATIC S7	78.4
6ES7138-4FC01-0AB0	ET200S-F, 4F-DI/3F DO	SIMATIC S7	78.4
6ES7138-4FR00-0AA0	ET200S, F-Relay	SIMATIC S7	602.4
6ES7138-4GA00-0AB0	ET200S, IQ-Sense	SIMATIC S7	173.8
6ES7138-4GA50-0AB0	ET200S, 4SI I/O-Link	SIMATIC S7	54.5
6ES7138-4HA00-0AB0	ET200S, Master-Interface	SIMATIC S7	217.0
6ES7138-6AA00-0BA0	ET200SP TM Count1 x 24V	SIMATIC S7	78.0
6ES7138-7AA00-0AA0	reserve	SIMATIC S7	901.7
6ES7138-7BB00-0AB0	ET200iS, watchdog	SIMATIC S7	475.6
6ES7138-7EA01-0AA0	ET200iSP, power supply 24V	SIMATIC S7	35.8
6ES7138-7EC00-0AA0	ET200iSP AC power Supply	SIMATIC S7	24.8
6ES7138-7FA00-0AB0	ET200iSP, 4F AI Ex	SIMATIC S7	33.9
6ES7138-7FD00-0AB0	ET200iSP, 4F DO Ex	SIMATIC S7	52.4
6ES7138-7FN00-0AB0	ET200iSP, 8F DI Ex	SIMATIC S7	41.6
6ES7141-0BF00-0XB0	ET200 DI8x24V	SIMATIC S7	17.3
6ES7141-1BD30-0XA0	ET200X DI	SIMATIC S7	221.2
6ES7141-1BF00-0XB0	ET200X DI	SIMATIC S7	51.8
6ES7141-1BF11-0XB0	BM 141 8DI	SIMATIC S7	61.4
6ES7141-1BF30-0XA0	ET200X DI	SIMATIC S7	164.1
6ES7141-1BF30-0XB0	EM 141, 8DI	SIMATIC S7	48.8
6ES7141-1BF40-0AB0	BM 141, 8DI	SIMATIC S7	28.6
6ES7141-1BF40-0XB0	EM 141, 8DI	SIMATIC S7	46.5
6ES7141-3BF00-0XA0	8DI, ET200Eco	SIMATIC S7	62.8
6ES7141-3BH00-0XA0	16DI, ET200Eco	SIMATIC S7	47.5
6ES7141-4BF00-0AA0	ET200pro EM8DI (up to HW-Rel. 4)	SIMATIC S7	61.3
6ES7141-4BF00-0AA0	ET200pro EM8DI (HW release 5 or higher)	SIMATIC S7	88.2

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Order Number	Type Description	System	MTBF (year)
6ES7141-4BF00-0AB0	ET200pro EM 8DI DC24V	SIMATIC S7	88.2
6ES7141-4BH00-0AA0	ET200pro 16DI DC24V	SIMATIC S7	50.2
6ES7141-6BF00-0AB0	ET200ecoPN 8DI	SIMATIC S7	28.8
6ES7141-6BG00-0AB0	ET200ecoPN 8DI DC24V/8x12M	SIMATIC S7	29.3
6ES7141-6BH00-0AB0	ET200ecoPN 16DIDC24V, 8x12M	SIMATIC S7	18.9
6ES7142-0BF00-0XB0	ET200 DO8x24V	SIMATIC S7	15.9
6ES7142-0BF10-0XB0	ET200 DO	SIMATIC S7	15.4
6ES7142-1BD10-0XB0	ET200X DO	SIMATIC S7	34.7
6ES7142-1BD11-0XB0	BM 142, 4DO	SIMATIC S7	34.7
6ES7142-1BD22-0XB0	BM 142, 4DO	SIMATIC S7	30.3
6ES7142-1BD30-0XA0	ET200-x, digital-output	SIMATIC S7	110.3
6ES7142-1BD40-0XA0	ET200X DO	SIMATIC S7	64.2
6ES7142-1BD40-0XB0	ET200-X, digital-output	SIMATIC S7	30.2
6ES7142-1BF30-0XA0	ET200X-8DI	SIMATIC S7	57.0
6ES7142-3BF00-0XA0	8DO, Et200Eco	SIMATIC S7	39.7
6ES7142-3BH00-0XA0	16DO. ET200Eco	SIMATIC S7	30.9
6ES7142-4BD00-0AA0	ET200pro EM 4 DO	SIMATIC S7	44.6
6ES7142-4BF00-0AA0	ET200pro EM 8 DO	SIMATIC S7	52.1
6ES7142-6BF50-0AB0	ET200ecoPN 8DO 0,5A 4xM12	SIMATIC S7	20.5
6ES7142-6BG00-0AB0	ET200ecoPN 8DO 1,3A 8xM12	SIMATIC S7	25.1
6ES7142-6BH00-0AB0	ET200ecoPN 16DO 1,3A 8xM12	SIMATIC S7	18.2
6ES7142-6BR00-0AB0	ET200ecoPN 8DO 2A 8xM12	SIMATIC S7	16.6
6ES7143-1BF00-0XB0	ET200X 8DI/DO	SIMATIC S7	23.0
6ES7143-1BF30-0XB0	ET200X 8DI/DO	SIMATIC S7	36.0
6ES7143-2BH00-0AB0	ET200R, handling	SIMATIC S7	50.2
6ES7143-2BH50-0AB0	ET200R, welding	SIMATIC S7	50.2
6ES7143-3BH00-0XA0	8DI/8DO Et200Eco	SIMATIC S7	32.3
6ES7143-3BH10-0XA0	ET200eco 8DI/8DO-2	SIMATIC S7	32.2
6ES7143-4BF00-0AA0	ET200pro EM 4DI/4DO	SIMATIC S7	51.4
6ES7144-0HF00-0XB0	ET200 AI	SIMATIC S7	34.8
6ES7144-0KH00-0XB0	ET200 AI	SIMATIC S7	39.3
6ES7144-1FB30-0XB0	ET200X, AI	SIMATIC S7	76.7
6ES7144-1FB31-0XB0	ET200X, AI	SIMATIC S7	76.7
6ES7144-1GB30-0XB0	ET200X, AI	SIMATIC S7	76.7
6ES7144-1GB31-0XB0	ET200X, AI	SIMATIC S7	76.7
6ES7144-1GB40-0XB0	ET200X, AI	SIMATIC S7	74.4
6ES7144-1GB41-0XB0	ET200X, AI	SIMATIC S7	74.4
6ES7144-1JB30-0XB0	ET200X, AI	SIMATIC S7	75.4
6ES7144-1JB31-0XB0	ET200-X, analog-input	SIMATIC S7	75.4
6ES7144-1JB32-0XB0	ET200X, AI	SIMATIC S7	75.4
6ES7144-4FF00-0AB0	ET200pro EM 4 AI U	SIMATIC S7	39.6
6ES7144-4GF00-0AB0	ET200pro EM 4 AI I	SIMATIC S7	38.5
6ES7144-4JF00-0AB0	ET200pro EM 4 AI	SIMATIC S7	41.7
6ES7144-4PF00-0AB0	ET200pro 4AI TC	SIMATIC S7	39.7
6ES7144-6KD00-0AB0	ET200ecoPN 4AI 4xM12	SIMATIC S7	18.4
6ES7145-0HF00-0XB0	ET200 AO	SIMATIC S7	41.6
6ES7145-1FB30-0XB0	ET200X, AO	SIMATIC S7	62.6
6ES7145-1FB31-0XB0	ET200, analog-output	SIMATIC S7	64.7
6ES7145-1GB30-0XB0	ET200X, AO	SIMATIC S7	62.6
6ES7145-1GB31-0XB0	ET200, analog-output	SIMATIC S7	64.7
6ES7145-4FF00-0AB0	ET200pro EM4AO-U high feature	SIMATIC S7	28.0
6ES7145-4GF00-0AB0	ET200pro EM4AO-I high feature	SIMATIC S7	28.0

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Order Number	Type Description	System	MTBF (year)
6ES7145-6HD00-0AB0	ET200ecoPN 4AO 4xM12	SIMATIC S7	21.4
6ES7147-1AA00-0XB0	IM 147	SIMATIC S7	51.3
6ES7147-1AA10-0XB0	BM 147-1 CPU	SIMATIC S7	23.0
6ES7147-2AA00-0XB0	BM 147-2 CPU	SIMATIC S7	21.0
6ES7147-2AB01-0XB0	ET200X BM147	SIMATIC S7	21.4
6ES7147-6BG00-0AB0	ET200ecoPN 8DIO	SIMATIC S7	15.9
6ES7148-1CA00-0XB0	ET200-X, digital-output	SIMATIC S7	30.2
6ES7148-1DA00-0XA0	ET200-X, digital –in/output	SIMATIC S7	85
6ES7148-1EH00-0XA0	ET200-x, digital output	SIMATIC S7	18.0
6ES7148-1EH01-0XA0	Pneumatics interface for CPV10	SIMATIC S7	18.0
6ES7148-1EH10-0XA0	ET200-X, digital output	SIMATIC S7	20.5
6ES7148-1EH11-0XA0	Pneumatics interface for CPV14	SIMATIC S7	20.5
6ES7148-1FA00-0XB0	FU	SIMATIC S7	20.7
6ES7148-1FA10-0XB0	ET200X, EM148-FU 1,5KV	SIMATIC S7	30.4
6ES7148-3FA00-0XB0	ET200eco DI-F	SIMATIC S7	30.7
6ES7148-4CA00-0AA0	ET200pro, PM-E DC24V	SIMATIC S7	220.0
6ES7148-4CA60-0AA0	ET200pro, PM-O 2 x 24V DC	SIMATIC S7	129.3
6ES7148-4EA00-0AA0	ET200pro VM CPV10	SIMATIC S7	35.5
6ES7148-4EB00-0AA0	ET200pro, 16DO, Pneumatic interface CPV14	SIMATIC S7	32.5
6ES7148-4FA00-0AB0	ET200S, 8/16 F-DI	SIMATIC S7	20.7
6ES7148-4FC00-0AB0	ET200S, 4/8 F-DI, 4 F-DO	SIMATIC S7	14.1
6ES7148-4FS00-0AB0	F-Switch	SIMATIC S7	71.9
6ES7148-6CB00-0AA0	ET200ecoPN Power Distributor	SIMATIC S7	104.5
6ES7148-6JA00-0AB0	ET200ecoPN IO-Link Master	SIMATIC S7	13.3
6ES7151-1AA00-0AB0	IM 151-1	SIMATIC S7	44.6
6ES7151-1AA01-0AB0	ET200pro IM154	SIMATIC S7	33.4
6ES7151-1AA02-0AB0	IM 151-1	SIMATIC S7	44.3
6ES7151-1AA03-0AB0	IM 151-1	SIMATIC S7	44.3
6ES7151-1AA04-0AB0	IM 151-1	SIMATIC S7	145.6
6ES7151-1AA05-0AB0	ET200S, IM151-1 ST	SIMATIC S7	141.0
6ES7151-1AB00-0AB0	IM 151-FO	SIMATIC S7	39.5
6ES7151-1AB01-0AB0	IM 151FO standard	SIMATIC S7	39.5
6ES7151-1AB02-0AB0	IM 151FO standard	SIMATIC S7	39.5
6ES7151-1AB05-0AB0	IM 151FO standard	SIMATIC S7	116.9
6ES7151-1BA00-0AB0	IM 151 high feature	SIMATIC S7	37.4
6ES7151-1BA01-0AB0	IM 151-1, High feature	SIMATIC S7	37.4
6ES7151-1BA02-0AB0	IM 151-1, High feature	SIMATIC S7	39.5
6ES7151-1CA00-0AB0	IM151 basic	SIMATIC S7	192.1
6ES7151-1CA00-1BL0	ET200S compact 32DI	SIMATIC S7	59.1
6ES7151-1CA00-3BL0	ET200S compact 16DI/16DO	SIMATIC S7	62.8
6ES7151-3AA00-0AB0	IM 151-3PN	SIMATIC S7	125.6
6ES7151-3AA20-0AB0	ET200S Profinet	SIMATIC S7	169.4
6ES7151-3AA22-0AB0	ET200S Profinet	SIMATIC S7	122.8
6ES7151-3AA23-0AB0	ET200S Profinet	SIMATIC S7	122.8
6ES7151-3BA20-0AB0	ET200S Profinet	SIMATIC S7	169.4
6ES7151-3BA23-0AB0	IM151-3 Profinet HF	SIMATIC S7	122.8
6ES7151-3BA50-0AB0	ET200S Profinet	SIMATIC S7	86.0
6ES7151-3BA60-0AB0	IM 151-3PN HS	SIMATIC S7	93.4
6ES7151-7AA00-0AB0	IM 151 CPU	SIMATIC S7	37.6
6ES7151-7AA10-0AB0	IM 151 CPU	SIMATIC S7	34.7
6ES7151-7AA11-0AB0	IM151-CPU	SIMATIC S7	34.7
6ES7151-7AA13-0AB0	IM151-CPU	SIMATIC S7	34.7

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7151-7AA20-0AB0	IM151-7 CPU	SIMATIC S7	98.0
6ES7151-7AA21-0AB0	IM151-7 CPU	SIMATIC S7	78.0
6ES7151-7AB00-0AB0	IM 151 CPU/FO	SIMATIC S7	30.9
6ES7151-7FA00-0AB0	IM 151F-CPU	SIMATIC S7	34.7
6ES7151-7FA01-0AB0	IM151F-CPU	SIMATIC S7	34.7
6ES7151-7FA20-0AB0	IM151-7F-CPU	SIMATIC S7	98.0
6ES7151-7FA21-0AB0	IM151-7F-CPU	SIMATIC S7	29.7
6ES7151-8AB00-0AB0	ET200S IM151-8 CPU PN	SIMATIC S7	53.1
6ES7151-8AB01-0AB0	ET200S IM151-8 CPU PN	SIMATIC S7	65.5
6ES7151-8FB00-0AB0	ET200S IM151-8 F-CPU PN	SIMATIC S7	53.1
6ES7151-8FB01-0AB0	ET200S IM151-8 F-CPU PN	SIMATIC S7	65.5
6ES7152-1AA00-0AB0	IM 152	SIMATIC S7	59.2
6ES7153-1AA01-0XB0	IM 153-1	SIMATIC S7	50.4
6ES7153-1AA02-0XB0	IM 153-1	SIMATIC S7	50.4
6ES7153-1AA03-0XB0	IM 153-1	SIMATIC S7	91.6
6ES7153-2AA00-0XB0	IM 153-2	SIMATIC S7	47.6
6ES7153-2AA02-0XB0	IM 153-2	SIMATIC S7	47.6
6ES7153-2AB00-0XB0	IM 153-2FO	SIMATIC S7	48.7
6ES7153-2BA00-0XB0	IM 153-2 high feature	SIMATIC S7	48.7
6ES7153-2BA01-0XB0	IM153-2	SIMATIC S7	106.0
6ES7153-2BA02-0XB0	IM153-2	SIMATIC S7	106.0
6ES7153-2BA81-0XB0	IM153-2 / LINK	SIMATIC S7	106.0
6ES7153-2BA82-0XB0	IM153-2/Link	SIMATIC S7	106.0
6ES7153-2BB00-0XB0	IM 153-2	SIMATIC S7	46.7
6ES7153-2DA80-0XB0	FF-Link	SIMATIC S7	106.3
6ES7153-3AA00-0XB0	IM 153-3	SIMATIC S7	35.0
6ES7153-4AA00-0XB0	IM153-4 PN	SIMATIC S7	158.0
6ES7153-4AA01-0XB0	IM53-4 PN	SIMATIC S7	146.0
6ES7153-4BA00-0XB0	IM 153-4PN IO HF	SIMATIC S7	145.6
6ES7154-1AA00-0AB0	ET200pro IM154	SIMATIC S7	26.5
6ES7154-2AA00-0AB0	ET200pro, IM154-2dp hf im	SIMATIC S7	26.5
6ES7154-2AA01-0AB0	ET200pro, IM154-2dp hf im	SIMATIC S7	33.4
6ES7154-4AB10-0AB0	IM 154-4PN HF	SIMATIC S7	32.1
6ES7154-6AB00-0AB0	IM154-6 PN HF IWLAN	SIMATIC S7	12.0
6ES7154-6AB50-0AB0	IM154-6 PN HF IWLAN	SIMATIC S7	12.0
6ES7154-8AB00-0AB0	ET200pro IM154-8 CPU	SIMATIC S7	13.5
6ES7154-8FB01-0AB0	IM154-8F PN/DP CPU	SIMATIC S7	18.1
6ES7154-8FX00-0AB0	IM154-8FX PN/DP CPU	SIMATIC S7	18.1
6ES7155-5AA00-0AB0	IM 155-5 PN ST	SIMATIC S7	52.6
6ES7155-5AA00-0AC0	IM 155-5 PN HF	SIMATIC S7	52.2
6ES7155-6AA00-0BN0	Bundle (consist of IM155-6PN HF, server module and bus adapter BA 2xRJ45)	SIMATIC S7	see MTBF of the several components
6ES7155-6AU00-0BN0	ET200SP IM 155-6 PN ST	SIMATIC S7	98.63
6ES7155-6AU00-0CN0	ET200SP IM 155-6 PN HF incl. server module	SIMATIC S7	74.8
6ES7155-6BU00-0CN0	ET200SP IM 155-6 DP HF	SIMATIC S7	167.0
6ES7156-0AA00-0XA0	DP/AS-I LINK ET200	SIMATIC S7	47.2
6ES7156-0AA01-0XA0	DA-ASI-Link IP 65	SIMATIC S7	47.2
6ES7157-0AA00-0XA0	IM 157	SIMATIC S7	26.0
6ES7157-0AA80-0XA0	IM 157	SIMATIC S7	21.9
6ES7157-0AA81-0XA0	IM157	SIMATIC S7	41.8
6ES7157-0AA82-0XA0	DP/PA-coupler	SIMATIC S7	48.7
6ES7157-0AC80-0XA0	DP/PA-coupler not Ex(i)	SIMATIC S7	66.6

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7157-0AC83-0XA0	DP/PA-coupler FDC	SIMATIC S7	48.8
6ES7157-0AC84-0XA0	DP/PA-coupler FDC	SIMATIC S7	48.8
6ES7157-0AD80-0XA0	DP/PA-coupler Ex(ib)	SIMATIC S7	57.9
6ES7157-0AD82-0XA0	DP/PA-coupler Ex(ib)	SIMATIC S7	48.8
6ES7157-0AF81-0XA0	Active field distributor AFD	SIMATIC S7	178.4
6ES7157-0AF82-0XA0	Active field splitter AFS	SIMATIC S7	75.3
6ES7157-0AG80-0XA0	Active field splitter AFS	SIMATIC S7	75.3
6ES7157-0AG81-0XA0	Active field distributor AFD	SIMATIC S7	60.0
6ES7157-0AG82-0XA0	Active field distributor AFD	SIMATIC S7	51.5
6ES7157-0AG83-0XA0	Active field distributor AFD	SIMATIC S7	28.0
6ES7158-0AD00-0XA0	DP-DP-coupler	SIMATIC S7	17.5
6ES7158-0AD01-0XA0	DP-DP-coupler	SIMATIC S7	145.5
6ES7158-3AD01-0XA0	PN-PN-coupler	SIMATIC S7	76.3
6ES7181-0AA01-0AA0	BT200	SIMATIC S7	129.6
6ES7193-0CA20-0XA0	Terminalblock ET200	SIMATIC S7	1004.3
6ES7193-0CA30-0XA0	Terminalblock ET200	SIMATIC S7	1004.3
6ES7193-0CB20-0XA0	Terminalblock ET200	SIMATIC S7	824.8
6ES7193-0CB30-0XA0		SIMATIC S7	824.8
6ES7193-0CD40-0XA0	Terminalblock ET200	SIMATIC S7	644.4
6ES7193-1CH00-0XA0	ET200 TB16	SIMATIC S7	2959.4
6ES7193-1CH10-0XA0	ET200 TB16	SIMATIC S7	2959.4
6ES7193-1CL00-0XA0	ET200 TB32	SIMATIC S7	2146.4
6ES7193-1CL10-0XA0	ET200 TB32	SIMATIC S7	2146.4
6ES7193-1FH20-0XA0		SIMATIC S7	20680.3
6ES7193-1FH30-0XA0		SIMATIC S7	10340.1
6ES7193-1FH50-0XA0		SIMATIC S7	20680.3
6ES7193-1FH60-0XA0		SIMATIC S7	10340.1
6ES7193-1FL20-0XA0		SIMATIC S7	11191.7
6ES7193-1FL30-0XA0		SIMATIC S7	5595.8
6ES7193-1FL50-0XA0		SIMATIC S7	11191.7
6ES7193-1FL60-0XA0		SIMATIC S7	5595.8
6ES7193-4CA20-0AA0	TM-E15S24-A1	SIMATIC S7	9512.7
6ES7193-4CA30-0AA0	TM-E15C24-A1	SIMATIC S7	9512.7
6ES7193-4CA40-0AA0	TM-E15S26-A1	SIMATIC S7	9512.7
6ES7193-4CA50-0AA0	TM-E15C26-A1	SIMATIC S7	9512.7
6ES7193-4CA70-0AA0	TM-E15N24-A1	SIMATIC S7	9512.7
6ES7193-4CA80-0AA0	TM-E15N26-A1	SIMATIC S7	9512.7
6ES7193-4CB00-0AA0	TM-E15S23-01	SIMATIC S7	9512.7
6ES7193-4CB10-0AA0	TM-E15C23-01	SIMATIC S7	9512.7
6ES7193-4CB20-0AA0	TM-E15S24-01	SIMATIC S7	9512.7
6ES7193-4CB30-0AA0	TM-E15C24-01	SIMATIC S7	9512.7
6ES7193-4CB60-0AA0	TM-E15N23-01	SIMATIC S7	9512.7
6ES7193-4CB70-0AA0	TM-E15N24-01	SIMATIC S7	9512.7
6ES7193-4CC20-0AA0	TM-P15S23-A1	SIMATIC S7	9512.7
6ES7193-4CC30-0AA0	TM-P15C23-A1	SIMATIC S7	9512.7
6ES7193-4CC70-0AA0	TM-P15N23-A1	SIMATIC S7	9512.7
6ES7193-4CD20-0AA0	TM-P15S23-A0	SIMATIC S7	9512.7
6ES7193-4CD30-0AA0	TM-P15C24-A0	SIMATIC S7	9512.7
6ES7193-4CD70-0AA0	TM-P15N23-A0	SIMATIC S7	9512.7
6ES7193-4CE00-0AA0	TM-P15S22-01	SIMATIC S7	9512.7
6ES7193-4CE10-0AA0	TM-P15C22-01	SIMATIC S7	9512.7
6ES7193-4CE60-0AA0	TM-P15-N22-01	SIMATIC S7	9512.7

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7193-4CF40-0AA0	TM-E30S46	SIMATIC S7	5488.1
6ES7193-4CF50-0AA0	TM-E30C46	SIMATIC S7	5488.1
6ES7193-4CG20-0AA0	TM-E30S44	SIMATIC S7	5488.1
6ES7193-4CG30-0AA0	TM-E30C44	SIMATIC S7	5488.1
6ES7193-4CK20-0AA0	TM-E30S44	SIMATIC S7	5488.1
6ES7193-4CK30-0AA0	TM-P30C44	SIMATIC S7	5488.1
6ES7193-4CL20-0AA0	TM-E15S24-AT	SIMATIC S7	9512.7
6ES7193-4CL30-0AA0	TM-E15C24-AT	SIMATIC S7	9512.7
6ES7193-4JB00-0AA0	ET200S, connector IM151	SIMATIC S7	2853.9
6ES7193-4JB50-0AA0	ET200S, 24V connector	SIMATIC S7	57067.9
6ES7193-6AF00-0AA0	ET200SP BA 2xFC (PN)	SIMATIC S7	1024.36
6ES7193-6AP00-0AA0	BA 2xSCRJ (LWL)	SIMATIC S7	461.42
6ES7193-6AR00-0AA0	ET200SP BA 2xRJ45 (PN)	SIMATIC S7	917.64
6ES7193-6BP00-0BA0	ET200SP BU15-P16+A0+2B	SIMATIC S7	5920.8
6ES7193-6BP00-0BA1	ET200SP BU15-P16+A0+2B/T	SIMATIC S7	2217.5
6ES7193-6BP00-0DA0	ET200SP BU15-P16+A0+2D	SIMATIC S7	3720.8
6ES7193-6BP00-0DA1	ET200SP BU15-P16+A0+2D/T	SIMATIC S7	1815.4
6ES7193-6BP20-0BA0	ET200SP BU15-P16+A10+2B	SIMATIC S7	5493.4
6ES7193-6BP20-0BB0	BU20-P12+A4+0B; 230VAC/5A	SIMATIC S7	57067.8
6ES7193-6BP20-0BB1	BU20-P12+A0+4B	SIMATIC S7	23390.8
6ES7193-6BP20-0BC1	BU20-P6+A2+4B; DC24V..AC230V/10A	SIMATIC S7	16591.5
6ES7193-6BP20-0BD0	BU20-P12+A0+0B	SIMATIC S7	12754.3
6ES7193-6BP20-0BF0	BU20-P8+A4+0B (Relaismodul F-Technik)	SIMATIC S7	13687.1
6ES7193-6BP20-0DA0	ET200SP BU15-P16+A10+2D	SIMATIC S7	3547.4
6ES7193-6BP20-0DC0	BU20-P6+A2+4D (ASi-Master/-Safety; F-PM)	SIMATIC S7	22470.0
6ES7193-6BP40-0BA1	ET200SP BU15-P16+A0+12B/T	SIMATIC S7	2154.7
6ES7193-6BP40-0DA1	ET200SP BU15-P16+A0+12D/T	SIMATIC S7	1773.1
6ES7193-6PA00-0AA0	ET200SP Servermodul	SIMATIC S7	829.7
6ES7193-7AA00-0AB0	TM IM/EM 60S	SIMATIC S7	3545.1
6ES7193-7AA10-0AA0	TM IM/EM 60C	SIMATIC S7	3545.1
6ES7193-7AB00-0AA0	TM IM/IM 60	SIMATIC S7	4033.7
6ES7193-7CA00-0AA0	TM EM/EM 60S	SIMATIC S7	3153.4
6ES7193-7CA10-0AA0	TM EM/EM 60C	SIMATIC S7	3153.4
6ES7193-7CB00-0AA0	ET200iS, TM-RM/RM	SIMATIC S7	3936.3
6ES7193-7DA00-0AA0	TM PS-A	SIMATIC S7	8095.9
6ES7193-7DA10-0AA0	TM PS-A	SIMATIC S7	8095.9
6ES7193-7DA20-0AA0	ET200iS 2TM-PS A UC	SIMATIC S7	7982.7
6ES7193-7DB00-0AA0	TM PS-B (redundant)	SIMATIC S7	4941.7
6ES7193-7DB10-0AA0	TM PS-B (redundant)	SIMATIC S7	4941.7
6ES7193-7DB20-0AA0	ET200iS 2TM-PS B UC	SIMATIC S7	4899.3
6ES7194-3AA00-0AA0	adapter block ecofast	SIMATIC S7	460.1
6ES7194-3AA00-0BA0	M12, ET200Eco	SIMATIC S7	1123.6
6ES7194-4AC00-0AA0	ET200pro connecting module	SIMATIC S7	839.9
6ES7194-4AD00-0AA0	CM IM DP M12	SIMATIC S7	1415.0
6ES7194-4AF00-0AA0	CM IM PN PP CU	SIMATIC S7	313.9
6ES7194-4AG00-0AA0	CM IM PN PP FO	SIMATIC S7	286.6
6ES7194-4AJ00-0AA0	CM IM PN M12 7/8"	SIMATIC S7	347.5
6ES7194-4AN00-0AA0	ET200pro CM PN DP M12	SIMATIC S7	293.6
6ES7194-4BC00-0AA0	CM PM-E direct	SIMATIC S7	777.0
6ES7194-4BD00-0AA0	CM PM-E 7/8"	SIMATIC S7	785.0
6ES7194-4BE00-0AA0	CM PM-E PP	SIMATIC S7	904.6
6ES7194-4BH00-0AA0	CM PM-O PP	SIMATIC S7	71331.8

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7194-4CA00-0AA0	ET200pro DIO 4xM12	SIMATIC S7	67136.6
6ES7194-4CA10-0AA0	ET200pro DIO 4xM12 P	SIMATIC S7	67136.6
6ES7194-4CB00-0AA0	ET200pro DIO 8xM12	SIMATIC S7	43900.0
6ES7194-4CB10-0AA0	ET200pro DIO 8xM12 P	SIMATIC S7	43900.0
6ES7194-4CB50-0AA0	CM IO 8 x M12D	SIMATIC S7	43900.0
6ES7194-4DA00-0AA0	CM F-Switch	SIMATIC S7	134246.2
6ES7194-4DC00-0AA0	CM F-DO	SIMATIC S7	43565.0
6ES7194-4DD00-0AA0	CM F-DI	SIMATIC S7	41963.6
6ES7194-6CA00-0AA0	ET200ecoPN terminalblock	SIMATIC S7	2270.4
6ES7195-7HA00-0XA0	ET200, Busmodule	SIMATIC S7	23108.0
6ES7195-7HB00-0XA0	ET200, Busmodule	SIMATIC S7	894.0
6ES7195-7HC00-0XA0	ET200, Busmodule	SIMATIC S7	929.0
6ES7195-7HD00-0XA0	IM/IM	SIMATIC S7	59.5
6ES7195-7HD10-0XA0	BM IM/IM	SIMATIC S7	828.1
6ES7195-7HD80-0XA0	Busmodule ET200M	SIMATIC S7	828.0
6ES7195-7HE80-0XA0	IM 157	SIMATIC S7	19513.7
6ES7195-7HF80-0XA0	DP-PA coupler	SIMATIC S7	18294.1
6ES7195-7HG00-0XA0	S7-F, bus partitioner	SIMATIC S7	16887.0
6ES7195-7HG80-0XA0	redundant busmodule for DP/PA-coupler	SIMATIC S7	48.8
6ES7195-7KF00-0XA0	Safety Protector	SIMATIC S7	122.9
6ES7197-1LB00-0XA0	Y-coupler	SIMATIC S7	51.5
6ES7211-0AA21-0XB0	CPU 221 DC/DC/DC	SIMATIC S7	57.0
6ES7211-0AA23-0XB0	CPU-221 DC/DC/DC	SIMATIC S7	39.0
6ES7211-0BA21-0XB0	CPU 221 AC/DC/RLY	SIMATIC S7	60.0
6ES7211-0BA23-0XB0	CPU-221 AC/DC/RLY	SIMATIC S7	43.0
6ES7211-1AD30-0XB0	CPU1211 DCDCDC	SIMATIC S7-1200	35.0
6ES7211-1AD31-0XB0	CPU1211 DCDCDC	SIMATIC S7-1200	32.0
6ES7211-1AE31-0XB0	CPU 1211C DC/DC/DC	SIMATIC S7-1200	32.0
6ES7211-1AE40-0XB0	CPU 1211C DC/DC/DC	SIMATIC S7-1200	32.0
6ES7211-1BD30-0XB0	CPU1211 ACDCRLY	SIMATIC S7-1200	30.0
6ES7211-1BE31-0XB0	CPU1211 ACDCRLY	SIMATIC S7-1200	26.0
6ES7211-1BE40-0XB0	CPU 1211C AC/DC/RLY	SIMATIC S7-1200	26.0
6ES7211-1HD30-0XB0	CPU1211 DCDCRLY	SIMATIC S7-1200	32.0
6ES7211-1HE31-0XB0	CPU1211 DCDCRLY	SIMATIC S7-1200	33.0
6ES7211-1HE40-0XB0	CPU 1211C DC/DC/RLY	SIMATIC S7-1200	33.0
6ES7212-1AA01-0XB0	CPU 212 DC/DC/DC	SIMATIC S7	42.0
6ES7212-1AB21-0XB0	CPU 222 DC/DC/DC	SIMATIC S7	48.0
6ES7212-1AB23-0XB0	CPU-222 DC/DC/DC	SIMATIC S7	36.0
6ES7212-1AD30-0XB0	CPU1212 DCDCDC	SIMATIC S7-1200	31.0
6ES7212-1AE31-0XB0	CPU1212 DCDCDC	SIMATIC S7-1200	30.0
6ES7212-1AE40-0XB0	CPU 1212C DC/DC/DC	SIMATIC S7-1200	30.0
6ES7212-1BA01-0XB0	CPU 212 AC/DC/RLY	SIMATIC S7	41.0
6ES7212-1BA10-0XB0	CPU 212 AC/DC/RLY, SRC IN	SIMATIC S7	41.0
6ES7212-1BB21-0XB0	CPU 222 AC/DC/RLY	SIMATIC S7	57.0
6ES7212-1BB23-0XB0	CPU-222 AC/DC/RLY	SIMATIC S7	38.0
6ES7212-1BD30-0XB0	CPU1212 ACDCRLY	SIMATIC S7-1200	27.0
6ES7212-1BE31-0XB0	CPU1212 ACDCRLY	SIMATIC S7-1200	25.0
6ES7212-1BE40-0XB0	CPU 1212C AC/DC/RLY	SIMATIC S7-1200	25.0
6ES7212-1CA01-0XB0	CPU 212 AC/AC/AC	SIMATIC S7	23.0
6ES7212-1DA01-0XB0	CPU 212 AC/AC/AC 24V AC IN	SIMATIC S7	25.0
6ES7212-1HD30-0XB0	CPU1212 DCDCRLY	SIMATIC S7-1200	29.0
6ES7212-1HE31-0XB0	CPU1212 DCDCRLY	SIMATIC S7-1200	31.0

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7212-1HE40-0XB0	CPU 1212C DC/DC/RLY	SIMATIC S7-1200	31.0
6ES7214-1AC01-0XB0	CPU 214 DC/DC/DC	SIMATIC S7	32.0
6ES7214-1AD21-0XB0	CPU 224 DC/DC/DC	SIMATIC S7	34.0
6ES7214-1AD23-0XB0	CPU 224 DC/DC/DC	SIMATIC S7	26.0
6ES7214-1AE30-0XB0	CPU1214 DCDCDC	SIMATIC S7-1200	24.0
6ES7214-1AG31-0XB0	CPU1214 DCDCDC	SIMATIC S7-1200	26.0
6ES7214-1AG40-0XB0	CPU 1214C DC/DC/DC	SIMATIC S7-1200	26.0
6ES7214-1BC01-0XB0	CPU 214 AC/DC/RLY	SIMATIC S7	37.0
6ES7214-1BC10-0XB0	CPU 214 AC/DC/RLY SRC IN	SIMATIC S7	37.0
6ES7214-1BD21-0XB0	CPU 224 AC/DC/RLY	SIMATIC S7	48.0
6ES7214-1BD23-0XB0	CPU 224 AC/DC/RLY	SIMATIC S7	29.0
6ES7214-1BE30-0XB0	CPU1214 ACDCRLY	SIMATIC S7-1200	21.0
6ES7214-1BG31-0XB0	CPU1214 ACDCRLY	SIMATIC S7-1200	21.0
6ES7214-1BG40-0XB0	CPU 1214C AC/DC/RLY	SIMATIC S7-1200	21.0
6ES7214-1CC01-0XB0	CPU 214 AC/AC/AC	SIMATIC S7	18.0
6ES7214-1DC01-0XB0	CPU 214 AC/AC/AC 24V AC IN	SIMATIC S7	19.0
6ES7214-1HE30-0XB0	CPU1214 DCDCRLY	SIMATIC S7-1200	22.0
6ES7214-1HG31-0XB0	CPU1214 DCDCRLY	SIMATIC S7-1200	25.0
6ES7214-1HG40-0XB0	CPU 1214C DC/DC/RLY	SIMATIC S7-1200	25.0
6ES7214-2AD23-0XB0	CPU-224XP DC/DC/DC	SIMATIC S7	23.0
6ES7214-2BD23-0XB0	CPU-224XP AC/DC/RLY	SIMATIC S7	26.0
6ES7215-1AG31-0XB0	CPU 1215C DC/DC/DC	SIMATIC S7-1200	25.0
6ES7215-1AG40-0XB0	CPU 1215C DC/DC/DC	SIMATIC S7-1200	25.0
6ES7215-1BG31-0XB0	CPU 1215C AC/DC/RLY	SIMATIC S7-1200	19.0
6ES7215-1BG40-0XB0	CPU 1215C AC/DC/RLY	SIMATIC S7-1200	19.0
6ES7215-1HG31-0XB0	CPU 1215C DC/DC/RLY	SIMATIC S7-1200	22.0
6ES7215-1HG40-0XB0	CPU 1215C DC/DC/RLY	SIMATIC S7-1200	22.0
6ES7215-2AD00-0XB0	CPU 215 DC/DC/DC	SIMATIC S7	29.0
6ES7215-2BD00-0XB0	CPU 215 AC/DC/RLY	SIMATIC S7	27.0
6ES7216-2AD00-0XB0	CPU 216 DC/DC/DC	SIMATIC S7	26.0
6ES7216-2AD21-0XB0	CPU 226 DC/DC/DC	SIMATIC S7	27.0
6ES7216-2AD23-0XB0	CPU 226 DC/DC/DC	SIMATIC S7	19.0
6ES7216-2BD00-0XB0	CPU 216 AC/DC/RLY	SIMATIC S7	25.0
6ES7216-2BD21-0XB0	CPU 226 AC/DC/RLY	SIMATIC S7	32.0
6ES7216-2BD23-0XB0	CPU 226 AC/DC/RLY	SIMATIC S7	22.0
6ES7217-1AG40-0XB0	CPU 1217C DC/DC/DC	SIMATIC S7-1200	22.0
6ES7221-1BF00-0XA0	EM 221 DI 8xDC 24V	SIMATIC S7	228.0
6ES7221-1BF10-0XA0	EM 221 DI 8xDC 24V	SIMATIC S7	228.0
6ES7221-1BF20-0XA0	EM 221 8 x DC 24V IN	SIMATIC S7	228.0
6ES7221-1BF22-0XA0	EM 221 8 x 24VDC IN	SIMATIC S7	194.0
6ES7221-1BF30-0XB0	SM1221 DI 8xDC	SIMATIC S7-1200	81.0
6ES7221-1BF32-0XB0	SM1221 DI 8xDC	SIMATIC S7-1200	81.0
6ES7221-1BH22-0XA0	EM 221 16 x 24VDC IN	SIMATIC S7	110.0
6ES7221-1BH30-0XB0	SM1221 DI 16xDC	SIMATIC S7-1200	60.0
6ES7221-1BH32-0XB0	SM1221 DI 16xDC	SIMATIC S7-1200	60.0
6ES7221-1EF00-0XA0	EM 221 DI 8xAC120V	SIMATIC S7	228.0
6ES7221-1EF22-0XA0	EM 221 8 x 120/230VAC IN	SIMATIC S7	68.0
6ES7221-1FJ00-0XA0	EM 221 DI 8xAC24V	SIMATIC S7	228.0
6ES7221-3AD30-0XB0	SB 1221 DI4 x 5VDC - 200KHz	SIMATIC S7-1200	80.0
6ES7221-3BD30-0XB0	SB 1221 DI 4 x 24VDC - 200KHz	SIMATIC S7-1200	80.0
6ES7222-1AD30-0XB0	SB 1222 DQ 4 x 5VDV - 200KHz	SIMATIC S7-1200	80.0
6ES7222-1BD22-0XA0	EM 222 4 x 24VDC OUT	SIMATIC S7	150.0

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7222-1BD30-0XB0	SB 1222 DQ 4 x 24VDC - 200Khz	SIMATIC S7-1210	80.0
6ES7222-1BF00-0XA0	EM 222 DO 8xDC24V	SIMATIC S7	67.0
6ES7222-1BF20-0XA0	EM 222 8 x DC 24V OUT	SIMATIC S7	67.0
6ES7222-1BF22-0XA0	EM 222 8 x 24VDC OUT	SIMATIC S7	91.0
6ES7222-1BF30-0XB0	SM1222 DQ 8xDC	SIMATIC S7-1200	71.0
6ES7222-1BF32-0XB0	SM1222 DQ 8xDC	SIMATIC S7-1200	71.0
6ES7222-1BH30-0XB0	SM1222 DQ 16xDC	SIMATIC S7-1200	47.0
6ES7222-1BH32-0XB0	SM1222 DQ 16xDC	SIMATIC S7-1200	47.0
6ES7222-1EF00-0XA0	EM 222 DO 8xAC120/230V	SIMATIC S7	42.0
6ES7222-1EF22-0XA0	EM 222 8 x 120/230VAC OUT	SIMATIC S7	41.0
6ES7222-1HD22-0XA0	EM 222 4 x Relais – 10A	SIMATIC S7	138.0
6ES7222-1HF00-0XA0	EM 222 DO 8x Relais	SIMATIC S7	228.0
6ES7222-1HF20-0XA0	EM 222 8 x Relay OUT	SIMATIC S7	285.0
6ES7222-1HF22-0XA0	EM 222 8 x Relais	SIMATIC S7	93.0
6ES7222-1HF30-0XB0	SM1222 DQ 8xRLY	SIMATIC S7-1200	54.0
6ES7222-1HF32-0XB0	SM1222 DQ 8xRLY	SIMATIC S7-1200	54.0
6ES7222-1HH30-0XB0	SM1222 DQ 16xRLY	SIMATIC S7-1200	35.0
6ES7222-1HH32-0XB0	SM1222 DQ 16xRLY	SIMATIC S7-1200	35.0
6ES7222-1XF30-0XB0	SM 1222 DQ 8xRelay change-over	SIMATIC S7-1200	15.0
6ES7223-0BD30-0XB0	SB1223 DI 2xDC DQ 2xDC	SIMATIC S7-1200	120.0
6ES7223-1BF00-0XA0	EM 223 DI4/DO4 x DC 24V	SIMATIC S7	54.0
6ES7223-1BF20-0XA0	EM 223 4 x DC 24VIN/4xDC24V OUT	SIMATIC S7	95.0
6ES7223-1BF22-0XA0	EM 223 4x24V IN,4x24V OUT	SIMATIC S7	145.0
6ES7223-1BH20-0XA0	EM 223 8xDC24V IN/8xDC24V OUT	SIMATIC S7	57.0
6ES7223-1BH22-0XA0	EM 8/8 in/out DC/DC	SIMATIC S7	83.0
6ES7223-1BH30-0XB0	SM1223 DI 8xDC DQ 8xDC	SIMATIC S7-1200	51.0
6ES7223-1BH32-0XB0	SM1223 DI 8xDC DQ 8xDC	SIMATIC S7-1200	51.0
6ES7223-1BL20-0XA0	EM 223 16xDC24V IN/16xDC24VOUT	SIMATIC S7	25.0
6ES7223-1BL22-0XA0	EM 223 16 x 24V IN/ 16x24V Out	SIMATIC S7	44.0
6ES7223-1BL30-0XB0	SM1223 DI 16xDC DQ 16xDC	SIMATIC S7-1200	32.0
6ES7223-1BL32-0XB0	SM1223 DI 16xDC DQ 16xDC	SIMATIC S7-1200	32.0
6ES7223-1BM22-0XA0	EM 223 32 x 24V DC in/32 x 24V DC out	SIMATIC S7	23.0
6ES7223-1EF00-0XA0	EM 223 DI4/DO 4xAC120V/120-230V	SIMATIC S7	71.0
6ES7223-1HF00-0XA0	EM 223 DI4/DO 4x DC 24V/Relais	SIMATIC S7	228.0
6ES7223-1HF20-0XA0	EM 223 4 x DC24VIN/4 x Relay OUT	SIMATIC S7	285.0
6ES7223-1HF22-0XA0	EM 223 4 x 24V IN/ 4 x Relais	SIMATIC S7	122.0
6ES7223-1PH20-0XA0	EM 223 8xDC24V IN/8xRelay OUT	SIMATIC S7	190.0
6ES7223-1PH22-0XA0	EM 223 8 x 24V IN / 8 x Relais	SIMATIC S7	70.0
6ES7223-1PH30-0XB0	SM1223 DI 8xDC DQ 8xRLY	SIMATIC S7-1200	42.0
6ES7223-1PH32-0XB0	SM1223 DI 8xDC DQ 8xRLY	SIMATIC S7-1200	42.0
6ES7223-1PL20-0XA0	EM 223 16xDC24VIN/16xRLY OUT	SIMATIC S7	82.0
6ES7223-1PL22-0XA0	EM 223 16 x 24V In/ 16 x Relais	SIMATIC S7	36.0
6ES7223-1PL30-0XB0	SM1223 DI 16xDC DQ 16xRLY	SIMATIC S7-1200	26.0
6ES7223-1PL32-0XB0	SM1223 DI 16xDC DQ 16xRLY	SIMATIC S7-1200	26.0
6ES7223-1PM22-0XA0	EM 223 32 x 24V DC in/32 x Relay out	SIMATIC S7	18.0
6ES7223-1QH30-0XB0	SM 1223 8x120-230V DQ8 x RLY	SIMATIC S7-1200	24.0
6ES7223-1QH32-0XB0	SM 1223 8x120-230V DQ8 x RLY	SIMATIC S7-1200	24.0
6ES7223-3AD30-0XB0	SB 1223 DI 2x5VDC, DQ 2x5VDC, 200KHZ	SIMATIC S7-1200	70.0
6ES7223-3BD30-0XB0	SB 1223 DI 2 x 24VDC, DQ 2 x 24VDC	SIMATIC S7-1200	60.0
6ES7231-0HC00-0XA0	EM 231 AI 3x12 Bit	SIMATIC S7	143.0
6ES7231-0HC20-0XA0	EM 231 AI 4 x 12Bit	SIMATIC S7	163.0
6ES7231-0HC22-0XA0	EM 231 AI 4 x 12 Bit	SIMATIC S7	116.0

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Order Number	Type Description	System	MTBF (year)
6ES7231-4HA30-0XB0	SB 1231 AI 1 x 12Bit	SIMATIC S7-1200	300.0
6ES7231-4HD30-0XB0	SM1231, AI 4x13BIT	SIMATIC S7-1200	63.0
6ES7231-4HD32-0XB0	SM1231, AI 4x13BIT	SIMATIC S7-1200	63.0
6ES7231-4HF30-0XB0	SM 1231 AI8 x13 bit	SIMATIC S7-1200	60.0
6ES7231-4HF32-0XB0	SM 1231 AI8 x13 bit	SIMATIC S7-1200	60.0
6ES7231-5ND30-0XB0	SM 1231 AI 4 x 16bit	SIMATIC S7-1200	58.0
6ES7231-5ND32-0XB0	SM 1231 AI 4 x 16 bits	SIMATIC S7-1200	58.0
6ES7231-5PA30-0XB0	SB 1231 AI 1 x RTD	SIMATIC S7-1200	100.0
6ES7231-5PD30-0XB0	SM 1231 AI4 x RTD	SIMATIC S7-1200	49.0
6ES7231-5PD32-0XB0	SM 1231 AI 4 x RTD	SIMATIC S7-1200	35.0
6ES7231-5PF30-0XB0	SM 1231 AI8 x RTD	SIMATIC S7-1200	35.0
6ES7231-5PF32-0XB0	SM 1231 AI 8 x RTD	SIMATIC S7-1200	34.0
6ES7231-5QA30-0XB0	SB 1231 AI 1 xTC	SIMATIC S7-1200	200.0
6ES7231-5QD30-0XB0	SM 1231 AI4 x TX	SIMATIC S7-1200	74.0
6ES7231-5QD32-0XB0	SM 1231 AI 4 x TC	SIMATIC S7-1200	50.0
6ES7231-5QF30-0XB0	SM 1231 AI8 x TC	SIMATIC S7-1200	47.0
6ES7231-5QF32-0XB0	SM 1231 AI 8 x TC	SIMATIC S7-1200	47.0
6ES7231-7PB20-0XA0	EM 231 AI 4 x RTD	SIMATIC S7	95.0
6ES7231-7PB22-0XA0	EM231 AI – 4 RTD	SIMATIC S7	84.0
6ES7231-7PD20-0XA0	EM 231 AI 4xTC	SIMATIC S7	104.0
6ES7231-7PD22-0XA0	EM231 AI – 4 TC	SIMATIC S7	87.0
6ES7232-0HB20-0XA0	EM 232 AQ 2 x 12Bit	SIMATIC S7	127.0
6ES7232-0HB22-0XA0	EM 232 AA 2 x 12 Bit	SIMATIC S7	143.0
6ES7232-4AH30-0XB0	SM 1232 AQ 1 x 12Bit	SIMATIC S7-1200	95.0
6ES7232-4HA30-0XB0	SB1232 AQ 1	SIMATIC S7-1200	95.0
6ES7232-4HB30-0XB0	S71200, AQ 2x14BIT	SIMATIC S7-1200	57.0
6ES7232-4HB32-0XB0	S71200, AQ 2x14BIT	SIMATIC S7-1200	57.0
6ES7232-4HD30-0XB0	SM 1232 AQ4 x 14 bit	SIMATIC S7-1200	51.0
6ES7232-4HD32-0XB0	SM 1232 AQ4 x 14 bit	SIMATIC S7-1200	51.0
6ES7234-4HE30-0XB0	SM 1234 AI 4 x 13bit, AQ 2 x 14bit	SIMATIC S7-1200	49.0
6ES7234-4HE30-0XB1	SM1234, AI 4x13BIT / AQ 2x14BIT	SIMATIC S7-1200	49.0
6ES7234-4HE32-0XB0	SM 1234 AI 4 x 13bit, AQ 2 x 14bit	SIMATIC S7-1200	49.0
6ES7234-4HE32-0XB1	SM1234, AI 4x13BIT / AQ 2x14BIT	SIMATIC S7-1200	49.0
6ES7235-0KD00-0XA0	EM 235 AI 3x12Bit/AQ 1x12 Bit	SIMATIC S7	127.0
6ES7235-0KD20-0XA0	EM 235 AI3x12Bit, AQ 1x12Bit	SIMATIC S7	114.0
6ES7235-0KD22-0XA0	EM 235 AI 4x12 bit / AO 1x12 Bit	SIMATIC S7	91.0
6ES7241-1AA22-0XA0	EM241 Modemmodul	SIMATIC S7	77.0
6ES7241-1AH30-0XB0	CM 1241 RS232	SIMATIC S7-1200	95.0
6ES7241-1AH32-0XB0	CM 1241 RS232	SIMATIC S7-1200	117.0
6ES7241-1CH30-0XB0	CM 1241 RS-485	SIMATIC S7-1200	87.0
6ES7241-1CH30-1XB0	CB 1241 RS485	SIMATIC S7-1200	72.0
6ES7241-1CH31-0AB0	CM 1241 RS422/485	SIMATIC S7-1200	87.0
6ES7241-1CH31-0XB0	CM 1241 RS-485	SIMATIC S7-1200	87.0
6ES7241-1CH32-0XB0	CM 1241 RS422/485	SIMATIC S7-1200	103.0
6ES7253-1AA22-0XA0	EM253 Impulsmodul	SIMATIC S7	72.0
6ES7272-0AA30-0YA0	TD200 RII	SIMATIC S7	89.3
6ES7272-1AA10-0YA0	TD 200C	SIMATIC S7	61.0
6ES7272-1BA10-0YA0	TD 100C	SIMATIC S7	135.0
6ES7274-1XA30-0XA0	Potentiometer Module	SIMATIC S7	870.0
6ES7277-0AA20-0XA0	EM 277 DP Slave	SIMATIC S7	114.0
6ES7277-0AA22-0XA0	EM277	SIMATIC S7	110.0

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Order Number	Type Description	System	MTBF (year)
6ES7278-4BD32-0XB0	SM 1278 4xIO-Link Master	SIMATIC S7	71.0
6ES7290-6AA20-0XA0	Expansion I/O-cable	SIMATIC S7	26.0
6ES7291-8GC00-0XA0	MC 291 8KB	SIMATIC S7	815.0
6ES7291-8GE20-0XA0	Cartridge Memory 32K (new calc.)	SIMATIC S7	1525.0
6ES7291-8GF23-0XA0	Cartridge Memory 64KB	SIMATIC S7	1520.0
6ES7291-8GH23-0XA0	Cartridge Memory 256KB	SIMATIC S7	763.0
6ES7297-0AX30-0XA0	BB 1297 Battery board	SIMATIC S7-1200	1420.0
6ES7307-1BA00-0AA0	PS 307, 2A	SIMATIC S7	163.1
6ES7307-1BA01-0AA0	PS 307, 2A	SIMATIC S7	264.8
6ES7307-1EA00-0AA0	PS 307, 5A	SIMATIC S7	103.8
6ES7307-1EA01-0AA0	PS 307, 5A	SIMATIC S7	283.2
6ES7307-1KA00-0AA0	PS 307, 10A	SIMATIC S7	99.5
6ES7307-1KA01-0AA0	PS 307, 10A	SIMATIC S7	71.6
6ES7307-1KA02-0AA0	PS 307, 10A	SIMATIC S7	171.7
6ES7312-1AD10-0AB0	CPU 312	SIMATIC S7	27.5
6ES7312-1AE13-0AB0	CPU 312	SIMATIC S7	27.5
6ES7312-1AE14-0AB0	CPU 312	SIMATIC S7	89.0
6ES7312-5AC02-0AB0	CPU312IFM	SIMATIC S7	114.5
6ES7312-5AC82-0AB0	CPU 312IFM	SIMATIC S7	15.6
6ES7312-5BD00-0AB0	CPU 312C	SIMATIC S7	24.6
6ES7312-5BD01-0AB0	CPU 312C	SIMATIC S7	79.9
6ES7312-5BE03-0AB0	CPU312C	SIMATIC S7	79.9
6ES7312-5BF04-0AB0	CPU 312C	SIMATIC S7	66.3
6ES7313-1AD00-0AB0	CPU 313	SIMATIC S7	24.5
6ES7313-1AD03-0AB0	CPU 313	SIMATIC S7	48.8
6ES7313-5BE00-0AB0	CPU 313C	SIMATIC S7	12.8
6ES7313-5BE01-0AB0	CPU 313C	SIMATIC S7	39.4
6ES7313-5BF03-0AB0	CPU313C	SIMATIC S7	39.4
6ES7313-5BG04-0AB0	CPU 313C	SIMATIC S7	38.7
6ES7313-6BE00-0AB0	CPU 313C-2PTP	SIMATIC S7	16.0
6ES7313-6BE01-0AB0	CPU 313C-2PTP	SIMATIC S7	51.0
6ES7313-6BF03-0AB0	CPU 313C-2PTP	SIMATIC S7	51.0
6ES7313-6BG04-0AB0	CPU 313C-2PTP	SIMATIC S7	50.1
6ES7313-6CE00-0AB0	CPU 313C-2DP	SIMATIC S7	16.9
6ES7313-6CE01-0AB0	CPU 313C-2DP	SIMATIC S7	53.8
6ES7313-6CF03-0AB0	CPU 313C-2DP	SIMATIC S7	53.8
6ES7313-6CG04-0AB0	CPU 313C-2DP	SIMATIC S7	55.2
6ES7314-1AC00-0AB0	CPU 314	SIMATIC S7	22.2
6ES7314-1AE01-0AB0	CPU 314	SIMATIC S7	21.1
6ES7314-1AE84-0AB0	CPU 314	SIMATIC S7	20.4
6ES7314-1AF10-0AB0	CPU 314	SIMATIC S7	26.5
6ES7314-1AF11-0AB0	CPU 314	SIMATIC S7	26.5
6ES7314-1AG13-0AB0	CPU 314	SIMATIC S7	77.7
6ES7314-1AG14-0AB0	CPU 314	SIMATIC S7	85.0
6ES7314-5AE00-0AB0	CPU 314IFM	SIMATIC S7	12.6
6ES7314-5AE03-0AB0	CPU 314IFM	SIMATIC S7	41.5
6ES7314-5AE10-0AB0	CPU 314IFM with MC	SIMATIC S7	41.3
6ES7314-6BF00-0AB0	CPU 314C-2PTP	SIMATIC S7	11.8
6ES7314-6BF01-0AB0	CPU 314C-2PTP	SIMATIC S7	11.8
6ES7314-6BF02-0AB0	CPU314C-2PTP	SIMATIC S7	35.5
6ES7314-6BG03-0AB0	CPU314C-2PTP	SIMATIC S7	35.5

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Order Number	Type Description	System	MTBF (year)
6ES7314-6BH04-0AB0	CPU 314C-2PTP	SIMATIC S7	35.7
6ES7314-6CF00-0AB0	CPU 314C-2DP	SIMATIC S7	12.2
6ES7314-6CF01-0AB0	CPU 314C-2DP	SIMATIC S7	12.2
6ES7314-6CF02-0AB0	CPU 314C-2DP	SIMATIC S7	51.0
6ES7314-6CG03-0AB0	CPU 314C-2DP	SIMATIC S7	51.0
6ES7314-6CH04-0AB0	CPU 314C-2DP	SIMATIC S7	37.9
6ES7314-6EH04-0AB0	CPU 314C-2PN/DP	SIMATIC S7	34.7
6ES7315-1AF00-0AB0	CPU 315	SIMATIC S7	31.6
6ES7315-1AF03-0AB0	CPU 315	SIMATIC S7	45.5
6ES7315-2AF00-0AB0	CPU 315-2 DP	SIMATIC S7	24.6
6ES7315-2AF03-0AB0	CPU 315-2DP	SIMATIC S7	26.1
6ES7315-2AF83-0AB0	CPU 3125-2DP	SIMATIC S7	12.0
6ES7315-2AG10-0AB0	CPU 315-2DP	SIMATIC S7	70.7
6ES7315-2AH14-0AB0	CPU 315-2DP	SIMATIC S7	80.0
6ES7315-2EG10-0AB0	CPU 315-2PN/DP	SIMATIC S7	60.3
6ES7315-2EH13-0AB0	CPU 315-2PN/DP	SIMATIC S7	60.3
6ES7315-2EH14-0AB0	CPU 315-2PN/DP	SIMATIC S7	65.4
6ES7315-2FH10-0AB0	CPU 315F-2PN/DP	SIMATIC S7	60.3
6ES7315-2FH13-0AB0	CPU 315F-2PN/DP	SIMATIC S7	60.3
6ES7315-2FJ14-0AB0	CPU 315F-2PN/DP	SIMATIC S7	65.4
6ES7315-6FF00-0AB0	CPU 315F-2DP	SIMATIC S7	29.9
6ES7315-6FF01-0AB0	CPU 315F-2DP	SIMATIC S7	70.7
6ES7315-6FF04-0AB0	CPU 315F-2DP	SIMATIC S7	80.0
6ES7315-6TG10-0AB0	CPU 315T-2DP	SIMATIC S7	26.2
6ES7315-6TH13-0AB0	CPU315T-2DP	SIMATIC S7	10.2
6ES7315-7TJ10-0AB0	CPU315T-3PN/DP	SIMATIC S7	15.6
6ES7316-2AG00-0AB0	CPU 316-2AG00-0AB0	SIMATIC S7	25.2
6ES7317-2AJ10-0AB0	CPU 317-2DP	SIMATIC S7	63.0
6ES7317-2AK14-0AB0	CPU 317-2DP	SIMATIC S7	58.3
6ES7317-2EJ10-0AB0	CPU 317-2PN/DP	SIMATIC S7	60.3
6ES7317-2EK13-0AB0	CPU 317-2PN/DP	SIMATIC S7	60.3
6ES7317-2EK14-0AB0	CPU 317-2PN/DP	SIMATIC S7	65.4
6ES7317-2FJ10-0AB0	CPU 317F-2PN/DP	SIMATIC S7	60.3
6ES7317-2FK13-0AB0	CPU 317F-2PN/DP	SIMATIC S7	60.3
6ES7317-2FK14-0AB0	CPU 317F-2PN/DP	SIMATIC S7	58.3
6ES7317-6FF00-0AB0	CPU 317F-2DP	SIMATIC S7	63.0
6ES7317-6FF03-0AB0	CPU 317F-2DP	SIMATIC S7	63.0
6ES7317-6FF04-0AB0	CPU 317F-2DP	SIMATIC S7	58.3
6ES7317-6TF14-0AB0	CPU 317TF-2DP	SIMATIC S7	10.2
6ES7317-6TJ10-0AB0	CPU 317T-2DP	SIMATIC S7	26.2
6ES7317-6TK13-0AB0	CPU317T-2DP	SIMATIC S7	10.2
6ES7317-7TK10-0AB0	CPU317T-3PN/DP	SIMATIC S7	15.6
6ES7317-7UL10-0AB0	CPU317TF-3PN/DP	SIMATIC S7	14.8
6ES7318-2AJ00-0AB0	CPU 318-2DP	SIMATIC S7	30.3
6ES7318-3EL00-0AB0	CPU 319-3PN/DP	SIMATIC S7	30.9
6ES7318-3EL01-0AB0	CPU 319-3PN/DP	SIMATIC S7	24.0
6ES7318-3FL00-0AB0	CPU319F-3PN/DP	SIMATIC S7	30.9
6ES7318-3FL01-0AB0	CPU319F-3PN/DP	SIMATIC S7	24.0
6ES7321-1BH00-0AA0	SM 321, DI 16 x DC24V	SIMATIC S7	28.0
6ES7321-1BH02-0AA0	SM 321	SIMATIC S7	105.3
6ES7321-1BH10-0AA0	SM 321	SIMATIC S7	64.6

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7321-1BH50-0AA0	SM 321, DI 16 x DC24V	SIMATIC S7	28.0
6ES7321-1BH81-0AA0	SM 321	SIMATIC S7	26.8
6ES7321-1BH82-0AA0	SM 321	SIMATIC S7	45.2
6ES7321-1BL00-0AA0	SM 321, DI 32 x DC24V	SIMATIC S7	30.6
6ES7321-1BL80-0AA0	SM 321	SIMATIC S7	16.3
6ES7321-1BP00-0AA0	SM321, 64DI DC24V	SIMATIC S7	54.0
6ES7321-1CH00-0AA0	16 Pt. 24/48 VUC Iso. Input	SIMATIC S7	15.9
6ES7321-1CH20-0AA0	DI 16xDC48/125V	SIMATIC S7	22.4
6ES7321-1CH80-0AA0	16 Pt. 125 VDC Input (coated)	SIMATIC S7	13.6
6ES7321-1EH01-0AA0	SM 321,	SIMATIC S7	23.0
6ES7321-1EL00-0AA0	DI 32 x AC 120V	SIMATIC S7	38.0
6ES7321-1FF01-0AA0	8 Pt. AC Input	SIMATIC S7	5.4
6ES7321-1FF10-0AA0	8 Pt. 120/230 Iso. Input	SIMATIC S7	112.2
6ES7321-1FF81-0AA0	8 Pt. AC Input (coated)	SIMATIC S7	5.4
6ES7321-1FH00-0AA0	16 Pt. 120/230 VAC Input	SIMATIC S7	48.4
6ES7321-7BH00-0AB0	SM 321, DI 16 x DC24V Interrupt/Diagnosis	SIMATIC S7	67.5
6ES7321-7BH01-0AB0	SM 321, diagnostic	SIMATIC S7	24.9
6ES7321-7EH00-0AB0	S7/PCS 7 SM 321	SIMATIC S7	129.0
6ES7321-7RD00-0AB0	SM 321, DI 4 x Namur (EEx ib)	SIMATIC S7	61.3
6ES7321-7TH00-0AB0	SM321	SIMATIC S7	24.8
6ES7322-1BF00-0AA0	SM 322, DO 8 x DC24V/2A	SIMATIC S7	27.6
6ES7322-1BF01-0AA0	SM 322, DO 8 x DC24V/2A	SIMATIC S7	27.6
6ES7322-1BH00-0AA0	SM 322, DO 16 x DC24V/0,5A	SIMATIC S7	13.8
6ES7322-1BH01-0AA0	DO 16 x DC 24V, 0,5 A	SIMATIC S7	105.7
6ES7322-1BH10-0AA0	SM 322	SIMATIC S7	56.9
6ES7322-1BH81-0AA0	SM 322	SIMATIC S7	21.2
6ES7322-1BL00-0AA0	SM 322, DO 32 x DC24V/0,5A	SIMATIC S7	16.5
6ES7322-1BP00-0AA0	SM322, 64 DO 24V sourcing	SIMATIC S7	78.0
6ES7322-1BP50-0AA0	SM322, 64 DO 24V sinking	SIMATIC S7	65.0
6ES7322-1CF00-0AA0	DO 8xDC 48/125V	SIMATIC S7	21.8
6ES7322-1CF80-0AA0	8 Pt. 125 VDC Output (coated)	SIMATIC S7	34.7
6ES7322-1EH01-0AA0	SM 322,	SIMATIC S7	7.8
6ES7322-1EL00-0AA0	DO 32 x AC 120V	SIMATIC S7	14.0
6ES7322-1FF01-0AA0	SM 322 8 x DO AC 120/230V	SIMATIC S7	51.5
6ES7322-1FF81-0AA0	8 Pt. AC Output (coated)	SIMATIC S7	12.0
6ES7322-1FH00-0AA0	16 Pt. 120/230 VAC Output	SIMATIC S7	37.7
6ES7322-1FH20-0AA0	DO 8 x relay isolated	SIMATIC S7	5.6
6ES7322-1FL00-0AA0	DO 32 x 120/230V AC	SIMATIC S7	11.3
6ES7322-1HF00-0AA0	SM 322, DO 8 x AC 230V	SIMATIC S7	56.8
6ES7322-1HF01-0AA0	SM 322, DO 8 x AC 230V	SIMATIC S7	56.8
6ES7322-1HF10-0AA0	DO	SIMATIC S7	160.4
6ES7322-1HF80-0AA0	SM 322	SIMATIC S7	68.8
6ES7322-1HH00-0AA0	SM 322, DO	SIMATIC S7	64.8
6ES7322-1HH01-0AA0	SM 322	SIMATIC S7	19.1
6ES7322-5FF00-0AB0	8 pt. 120/230 VAC Iso. Output	SIMATIC S7	65.8
6ES7322-5GH00-0AB0	16 Pt. 24/48 VUC Iso. Output	SIMATIC S7	17.9
6ES7322-5HF00-0AB0	SM 322 8 x Rel. 230V	SIMATIC S7	25.9
6ES7322-5RD00-0AB0	SM 322, DO 4 x 15V/20mA (EEx ib)	SIMATIC S7	56.2
6ES7322-5SD00-0AB0	SM 322, DO 4 x DC24V/10mA (EEx ib)	SIMATIC S7	59.5
6ES7322-8BF00-0AB0	SM 322, DO 16 x DC 24V/0,5A mit Diagnose	SIMATIC S7	62.1
6ES7322-8BF80-0AB0	SM 322	SIMATIC S7	32.6
6ES7322-8BH00-0AB0	SM 322-8BH	SIMATIC S7	30.6

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Order Number	Type Description	System	MTBF (year)
6ES7322-8BH01-0AB0	SM 322-8BH	SIMATIC S7	30.6
6ES7322-8BH10-0AB0	SM322, 16DA DC24V, 0,5A	SIMATIC S7	45.0
6ES7323-1BH01-0AA0	DI8/DO8	SIMATIC S7	85.4
6ES7323-1BH80-0AA0	SM 323	SIMATIC S7	28.5
6ES7323-1BH81-0AA0	SM 232 Outdoor	SIMATIC S7	85.4
6ES7323-1BL00-0AA0	SM 323, DI16/DO16 x DC24V	SIMATIC S7	21.8
6ES7326-1BK00-0AB0	SM 326F	SIMATIC S7	28.0
6ES7326-1BK01-0AB0	SM326, 24 x F-DI	SIMATIC S7	27.8
6ES7326-1BK02-0AB0	SM326, 24 x F-DI	SIMATIC S7	22.8
6ES7326-1RF00-0AB0	SM 326F, 8xdigital input, Namur	SIMATIC S7	35.1
6ES7326-1RF01-0AB0	SM 326 8F-DI Namur	SIMATIC S7	33.8
6ES7326-2BF00-0AB0	SM 326F, digital output	SIMATIC S7	19.9
6ES7326-2BF01-0AB0	SM 326 F DO 10x 24V/2A (until HW-release 5)	SIMATIC S7	19.9
6ES7326-2BF01-0AB0	SM 326 F DO 10x 24V/2A (HW-release 6 and better)	SIMATIC S7	33.8
6ES7326-2BF10-0AB0	SM 326F, D-DO 10	SIMATIC S7	28.7
6ES7326-2BF40-0AB0	SM326, 8 F-DO pm	SIMATIC S7	31.1
6ES7326-2BF41-0AB0	SM326, 8 F-DO pm	SIMATIC S7	31.2
6ES7327-1BH00-0AB0	SM 327	SIMATIC S7	63.5
6ES7331-1KF00-0AB0	SM 331	SIMATIC S7	61.0
6ES7331-1KF01-0AB0	SM 331	SIMATIC S7	61.0
6ES7331-1KF02-0AB0	SM 331	SIMATIC S7	61.0
6ES7331-7HF00-0AB0	SM 331, 8AI	SIMATIC S7	46.8
6ES7331-7HF01-0AB0	SM 331, 8AI	SIMATIC S7	46.8
6ES7331-7KB00-0AB0	SM 331, AI	SIMATIC S7	40.4
6ES7331-7KB02-0AB0	SM 331, 2x12Bit	SIMATIC S7	75.7
6ES7331-7KB81-0AB0	SM 331	SIMATIC S7	35.4
6ES7331-7KB82-0AB0	AI 2I 12/14bit	SIMATIC S7	35.4
6ES7331-7KF00-0AB0	SM 331, AI	SIMATIC S7	19.6
6ES7331-7KF02-0AB0	SM 331, 8AI	SIMATIC S7	19.6
6ES7331-7NF00-0AB0	AI 8 channels	SIMATIC S7	76.0
6ES7331-7NF10-0AB0	8 Pt. Isolated Analog Input	SIMATIC S7	56.0
6ES7331-7PE10-0AB0	SM331, 6 AI TC	SIMATIC S7	47.9
6ES7331-7PF00-0AB0	8 Pt. RTD Input	SIMATIC S7	34.7
6ES7331-7PF01-0AB0	SM331 8xRTD 16Bit	SIMATIC S7	36.6
6ES7331-7PF10-0AB0	AI 8 x TC 16Bit	SIMATIC S7	60.8
6ES7331-7PF11-0AB0	SM331 8x TC 16bit	SIMATIC S7	41.6
6ES7331-7RD00-0AB0	SM 331, AI 4 x 0/4...20mA (EEx ib)	SIMATIC S7	35.0
6ES7331-7SF00-0AB0	SM 331, AI 4 x TC/8 x RTD (EEx ib)	SIMATIC S7	46.4
6ES7331-7TB00-0AB0	Analog input HART	SIMATIC S7	77.2
6ES7331-7TF00-0AB0	SM331 8x AI Hart	SIMATIC S7	48.0
6ES7331-7TF01-0AB0	SM331 8x AI Hart	SIMATIC S7	48.0
6ES7332-5HB00-0AB0	SM 332, AO	SIMATIC S7	41.0
6ES7332-5HB01-0AB0	AO 12 bit, 2 channels	SIMATIC S7	41.0
6ES7332-5HB81-0AB0	SM 332	SIMATIC S7	35.6
6ES7332-5HD00-0AB0	SM 332, AO	SIMATIC S7	23.7
6ES7332-5HD01-0AB0	AO 12 bit, 4 channels	SIMATIC S7	23.7
6ES7332-5HF00-0AB0	SM 332, 8AO	SIMATIC S7	26.3
6ES7332-5RD00-0AB0	SM 332, AO 4 x 0/4...20mA (EEx ib)	SIMATIC S7	36.5
6ES7332-5TB00-0AB0	Analog output HART	SIMATIC S7	48.7
6ES7332-7ND00-0AB0	AO 4 channels	SIMATIC S7	38.0
6ES7332-7ND01-0AB0	SM 332	SIMATIC S7	14.4
6ES7332-7ND02-0AB0	SM 332	SIMATIC S7	20.2

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Order Number	Type Description	System	MTBF (year)
6ES7332-8TF00-0AB0	SM332 8x AO HART	SIMATIC S7	33.0
6ES7332-8TF01-0AB0	SM332 Hart	SIMATIC S7	33.0
6ES7334-0CE00-0AA0	SM 334, AI/AO	SIMATIC S7	48.5
6ES7334-0CE01-0AA0	AI4/AO2	SIMATIC S7	48.5
6ES7334-0KE00-0AB0	SM 334, AI/AO	SIMATIC S7	29.3
6ES7334-0KE80-0AB0	AI4/AO2	SIMATIC S7	35.6
6ES7335-7HG00-0AB0	SM 335, AI/AO	SIMATIC S7	25.3
6ES7335-7HG01-0AB0	SM 335, AI/AO	SIMATIC S7	25.3
6ES7335-7HG02-0AB0	SM 335, AI/AO	SIMATIC S7	25.3
6ES7336-1HE00-0AB0	SM 336	SIMATIC S7	16.9
6ES7336-4GE00-0AB0	SM336, F-AI 6 x 0/4...20mA Hart	SIMATIC S7	26.5
6ES7338-4BC00-0AB0	SM 338	SIMATIC S7	56.6
6ES7338-4BC01-0AB0	SM 338 POS-Input	SIMATIC S7	68.0
6ES7338-7XF00-0AB0	SM 388	SIMATIC S7	29.0
6ES7340-1AH00-0AE0	CP 340	SIMATIC S7	44.5
6ES7340-1AH01-0AE0	CP 340	SIMATIC S7	278.3
6ES7340-1AH02-0AE0	CP 340	SIMATIC S7	159.7
6ES7340-1BH00-0AE0	CP 340	SIMATIC S7	111.8
6ES7340-1BH02-0AE0	CP 340	SIMATIC S7	188.2
6ES7340-1CH00-0AE0	CP 340	SIMATIC S7	76.8
6ES7340-1CH02-0AE0	CP 340	SIMATIC S7	145.6
6ES7341-1AH01-0AE0	CP341, RS232	SIMATIC S7	118.5
6ES7341-1AH02-0AE0	CP341, RS232	SIMATIC S7	159.7
6ES7341-1BH01-0AE0	CP341, TTY	SIMATIC S7	125.2
6ES7341-1BH02-0AE0	CP341, TTY	SIMATIC S7	188.2
6ES7341-1CH01-0AE0	CP341, X27/RS422/RS485	SIMATIC S7	111.7
6ES7341-1CH02-0AE0	CP341, X27/RS422/RS485	SIMATIC S7	145.6
6ES7350-1AH00-0AE0	FM 350-1	SIMATIC S7	19.7
6ES7350-1AH02-0AE0	FM 350-1 Counter module	SIMATIC S7	118.8
6ES7350-1AH03-0AE0	FM 350-1	SIMATIC S7	41.0
6ES7350-2AH00-0AE0	FM 350-2	SIMATIC S7	21.3
6ES7350-2AH01-0AE0	FM350-2	SIMATIC S7	35.7
6ES7351-1AH00-0AE0	FM 351	SIMATIC S7	29.7
6ES7351-1AH01-0AE0	FM 351	SIMATIC S7	44.5
6ES7352-1AH00-0AE0	FM 352	SIMATIC S7	32.8
6ES7352-1AH01-0AE0	FM 352	SIMATIC S7	32.8
6ES7352-1AH02-0AE0	FM 352	SIMATIC S7	63.0
6ES7352-5AH00-0AB0	FM 352-5, boolean processor	SIMATIC S7	42.3
6ES7352-5AH01-0AB0	FM 352-5, boolean processor	SIMATIC S7	19.1
6ES7352-5AH10-0AB0	FM 352-5, boolean processor	SIMATIC S7	36.6
6ES7352-5AH11-0AB0	FM 352-5, boolean processor	SIMATIC S7	12.6
6ES7354-5AH00-0AB0	FM 354 DPS	SIMATIC S7	20.4
6ES7355-0VH00-0AE0	FM 355 (Type K)	SIMATIC S7	17.1
6ES7355-0VH10-0AE0	FM 355 (C)	SIMATIC S7	14.7
6ES7355-1VH00-0AE0	FM 355 (Type S)	SIMATIC S7	15.1
6ES7355-1VH10-0AE0	FM 355 (S)	SIMATIC S7	14.8
6ES7356-4BM00-0AE0	FM 356-4	SIMATIC S7	11.3
6ES7356-4BN00-0AE0	FM 356-4	SIMATIC S7	11.3
6ES7360-3AA00-0AA0	IM 360	SIMATIC S7	51.9
6ES7360-3AA01-0AA0	IM 360	SIMATIC S7	502.0
6ES7361-3CA00-0AA0	IM 361	SIMATIC S7	34.1
6ES7361-3CA01-0AA0	IM 361	SIMATIC S7	221.6

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Order Number	Type Description	System	MTBF (year)
6ES7365-0BA00-0AA0	IM 365	SIMATIC S7	75.4
6ES7365-0BA81-0AA0	IM 365	SIMATIC S7	104.9
6ES7368-3BB00-0AA0	Cable	SIMATIC S7	317097.9
6ES7370-0AA00-0AA0	Dummy-Module	SIMATIC S7	564.8
6ES7374-2XH00-0AA0	Simulator	SIMATIC S7	50.2
6ES7378-2AB00-0AC0	EXM 378-2	SIMATIC S7	96.2
6ES7378-2AC00-0AC0	EXM 378-3	SIMATIC S7	180.0
6ES7378-2BA00-0AC0	MSM 378	SIMATIC S7	23.5
6ES7388-4BN00-0AC0	CPU 388-4	SIMATIC S7	10.8
6ES7392-1AJ00-0AA0	Frontconnector, screw	SIMATIC S7	18837.5
6ES7392-1BJ00-0AA0	Frontconnector, spring contact	SIMATIC S7	18837.5
6ES7392-1BM01-0AA0	Frontconnector, spring contact	SIMATIC S7	18837.5
6ES7400-1JA01-0AA0	UR2, 9 slots	SIMATIC S7	684.0
6ES7400-1JA11-0AA0	UR2, 9 slots, ALU	SIMATIC S7	684.0
6ES7400-1TA01-0AA0	UR1, 18 slots	SIMATIC S7	400.0
6ES7400-2JA00-0AA0	UR 2H, 2x 9 slots	SIMATIC S7	291.0
6ES7401-1DA01-0AA0	CR3	SIMATIC S7	1147.0
6ES7401-2TA01-0AA0	CR2, 18 slots, 2 segments	SIMATIC S7	386.7
6ES7403-1JA01-0AA0	ER 2, 9 slots, only SM	SIMATIC S7	2306.2
6ES7403-1TA01-0AA0	ER 1, 18 slots, only SM	SIMATIC S7	1421.6
6ES7405-0DA00-0AA0	PS 24V/4A	SIMATIC S7	26.5
6ES7405-0DA01-0AA0	PS 405, 4A	SIMATIC S7	27.0
6ES7405-0DA02-0AA0	PS DC 4A	SIMATIC S7	73.3
6ES7405-0KA00-0AA0	PS 24V/10A	SIMATIC S7	22.5
6ES7405-0KA01-0AA0	PS 405, 10A	SIMATIC S7	26.0
6ES7405-0KA02-0AA0	PS 405 DC 10 S	SIMATIC S7	68.8
6ES7405-0KR00-0AA0	PS 405, 10A, redundant	SIMATIC S7	21.0
6ES7405-0KR02-0AA0	PS 405, 10A	SIMATIC S7	59.2
6ES7405-0RA00-0AA0	PS 24V/20A	SIMATIC S7	22.0
6ES7405-0RA01-0AA0	PS 405, 20A	SIMATIC S7	27.0
6ES7405-0RA02-0AA0	PS405, DC 20A	SIMATIC S7	70.6
6ES7407-0DA00-0AA0	PS 120/230V/4A	SIMATIC S7	23.0
6ES7407-0DA01-0AA0	PS 407, 4A	SIMATIC S7	27.0
6ES7407-0DA02-0AA0	PS AC 4A	SIMATIC S7	69.4
6ES7407-0KA00-0AA0	PS 120/230V/10A	SIMATIC S7	20.0
6ES7407-0KA01-0AA0	PS 407, 10A (up to HW-version 9)	SIMATIC S7	27.5
6ES7407-0KA01-0AA0	PS 407 AC 10A (from HW-rel. 10 on)	SIMATIC S7	82.0
6ES7407-0KA02-0AA0	PS407, AC, 10A	SIMATIC S7	73.0
6ES7407-0KR00-0AA0	PS 407, 10A, redundant	SIMATIC S7	24.0
6ES7407-0KR02-0AA0	PS407, AC, 10A, red.	SIMATIC S7	60.0
6ES7407-0RA00-0AA0	PS 120/230V/20A	SIMATIC S7	21.0
6ES7407-0RA01-0AA0	PS 407, 20A (correction!!)	SIMATIC S7	26.0
6ES7407-0RA02-0AA0	PS 407, 20A	SIMATIC S7	63.2
6ES7408-1TA00-6AA0	Fan for S7-400	SIMATIC S7	5.7
6ES7410-5HX08-0AB0	PCS7 CPU 410-5H	SIMATIC S7	16.7
6ES7412-1XF00-0AB0	CPU 412-1	SIMATIC S7	16.0
6ES7412-1XF01-0AB0	CPU 412-1 (48KB)	SIMATIC S7	16.1
6ES7412-1XF02-0AB0	CPU 412-1	SIMATIC S7	44.9
6ES7412-1XF03-0AB0	CPU 412-1	SIMATIC S7	27.5
6ES7412-1XF04-0AB0	CPU 412-1	SIMATIC S7	47.0
6ES7412-1XJ05-0AB0	CPU 412-1	SIMATIC S7	40.1

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6ES7412-2EK06-0AB0	CPU 412-2PN	SIMATIC S7	24.5
6ES7412-2XG00-0AB0	CPU 412-2	SIMATIC S7	25.0
6ES7412-2XG04-0AB0	CPU 412-2DP	SIMATIC S7	41.0
6ES7412-2XJ05-0AB0	CPU 412-2DP	SIMATIC S7	36.4
6ES7412-3HJ14-0AB0	CPU 412-3H	SIMATIC S7	36.1
6ES7412-5HK06-0AB0	CPU412-5H PN/DP	SIMATIC S7	23.0
6ES7413-1XG00-0AB0	CPU 413-1	SIMATIC S7	16.0
6ES7413-1XG01-0AB0	CPU 413-1 (72KB)	SIMATIC S7	16.1
6ES7413-1XG02-0AB0	CPU 413-1	SIMATIC S7	44.9
6ES7413-2XG00-0AB0	CPU 413-2 DP	SIMATIC S7	8.8
6ES7413-2XG01-0AB0	CPU 413-2 DP (72KB)	SIMATIC S7	8.9
6ES7413-2XG02-0AB0	CPU 413-2DP	SIMATIC S7	26.1
6ES7414-1AE04-0AB0	CPU 314	SIMATIC S7	47.0
6ES7414-1XG00-0AB0	CPU 414-1	SIMATIC S7	16.0
6ES7414-1XG01-0AB0	CPU 414-1 (128KB)	SIMATIC S7	16.1
6ES7414-1XG02-0AB0	CPU 414-1	SIMATIC S7	44.1
6ES7414-2XG00-0AB0	CPU 414-2 DP	SIMATIC S7	8.8
6ES7414-2XG01-0AB0	CPU 414-2 DP(128KB)	SIMATIC S7	8.8
6ES7414-2XG02-0AB0	CPU 414-2DP (128KB)	SIMATIC S7	25.8
6ES7414-2XG03-0AB0	CPU 414-2	SIMATIC S7	23.9
6ES7414-2XG04-0AB0	CPU 414-2DP	SIMATIC S7	39.0
6ES7414-2XJ00-0AB0	CPU 414-2 DP(384KB)	SIMATIC S7	8.7
6ES7414-2XJ01-0AB0	CPU 414-2DP (384KB)	SIMATIC S7	25.3
6ES7414-2XK05-0AB0	CPU 414-2DP	SIMATIC S7	36.7
6ES7414-3EM05-0AB0	CPU 414-3PN/DP	SIMATIC S7	35.6
6ES7414-3EM06-0AB0	CPU 414-3PN/DP	SIMATIC S7	24.3
6ES7414-3FM06-0AB0	CPU 414-3F PN/DP	SIMATIC S7	24.3
6ES7414-3XJ00-0AB0	CPU 414-3	SIMATIC S7	19.4
6ES7414-3XJ04-0AB0	CPU 414-3DP	SIMATIC S7	38.5
6ES7414-3XM05-0AB0	CPU 414-3DP	SIMATIC S7	35.7
6ES7414-4HJ00-0AB0	CPU 414-4H	SIMATIC S7	15.9
6ES7414-4HJ04-0AB0	CPU 414H V4	SIMATIC S7	30.0
6ES7414-4HM14-0AB0	CPU 414-4H	SIMATIC S7	34.5
6ES7414-5HM06-0AB0	CPU 414-5H PN/DP	SIMATIC S7	23.0
6ES7416-1XJ00-0AB0	CPU 416-1	SIMATIC S7	13.4
6ES7416-1XJ01-0AB0	CPU 416-1 (512KB)	SIMATIC S7	15.8
6ES7416-1XJ02-0AB0	CPU 416-1	SIMATIC S7	43.0
6ES7416-2FK02-0AB0	CPU 416F-2DP	SIMATIC S7	27.5
6ES7416-2FK04-0AB0	CPU 416-2F, V4	SIMATIC S7	39.0
6ES7416-2FN05-0AB0	CPU 416F-2DP	SIMATIC S7	34.1
6ES7416-2XK00-0AB0	CPU 416-2	SIMATIC S7	8.8
6ES7416-2XK01-0AB0	CPU 416-2DP (0,8MB)	SIMATIC S7	25.4
6ES7416-2XK02-0AB0	CPU 416-2	SIMATIC S7	27.5
6ES7416-2XK04-0AB0	CPU 416-2DP	SIMATIC S7	39.0
6ES7416-2XL00-0AB0	CPU 416-2	SIMATIC S7	8.6
6ES7416-2XL01-0AB0	CPU 416-2DP (1,6MB)	SIMATIC S7	25.1
6ES7416-2XN05-0AB0	CPU 416-2DP	SIMATIC S7	34.1
6ES7416-3ER05-0AB0	CPU 416-3PN/DP	SIMATIC S7	34.6
6ES7416-3ES06-0AB0	CPU 416-3PN/DP	SIMATIC S7	24.0
6ES7416-3FR05-0AB0	CPU416F-3PN/DP	SIMATIC S7	34.6
6ES7416-3FS06-0AB0	CPU416F-3PN/DP	SIMATIC S7	24.0
6ES7416-3XL00-0AB0	CPU 416-3	SIMATIC S7	18.7

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7416-3XL04-0AB0	CPU 416-3DP	SIMATIC S7	38.5
6ES7416-3XR05-0AB0	CPU 416-3DP	SIMATIC S7	33.5
6ES7416-5HS06-0AB0	CPU 416-5H PN/DP	SIMATIC S7	23.0
6ES7417-4HL00-0AB0	CPU 417-4H	SIMATIC S7	14.7
6ES7417-4HL01-0AB0	CPU 417-4H	SIMATIC S7	14.9
6ES7417-4HL04-0AB0	CPU 417H V4	SIMATIC S7	30.0
6ES7417-4HT14-0AB0	CPU 417-4H	SIMATIC S7	34.5
6ES7417-4XL00-0AB0	CPU 417-4	SIMATIC S7	17.5
6ES7417-4XL04-0AB0	CPU 417-4DP	SIMATIC S7	35.4
6ES7417-4XT05-0AB0	CPU 417-4DP	SIMATIC S7	31.2
6ES7417-5HT06-0AB0	CPU 417-5H PN/DP	SIMATIC S7	23.0
6ES7421-1BL00-0AA0	SM 421, DI 32 x DC 24V	SIMATIC S7	122.8
6ES7421-1BL01-0AA0	SM 421, 32 x DC 24V	SIMATIC S7	123.1
6ES7421-1EL00-0AA0	SM 421 (new calculated)	SIMATIC S7	22.7
6ES7421-1FH00-0AA0	SM 421, DI 16 x AC120/230 V	SIMATIC S7	6.5
6ES7421-1FH20-0AA0	SM 421	SIMATIC S7	56.0
6ES7421-7BH00-0AB0	SM 421	SIMATIC S7	32.8
6ES7421-7BH01-0AB0	SM 421 DI 16xDC 24V	SIMATIC S7	32.8
6ES7421-7DH00-0AB0	SM 421, DI 16 x UC 24..60V, IR+Diagn.	SIMATIC S7	66.9
6ES7422-1BH10-0AA0	SM 422, DO 16 x DC 24V	SIMATIC S7	15.7
6ES7422-1BH11-0AA0	SM 422, DO 16xDC24V/2A	SIMATIC S7	58.0
6ES7422-1BL00-0AA0	SM 422, DO 32 x DC 24V, 0,5A	SIMATIC S7	21.9
6ES7422-1FF00-0AA0	SM 422, DO 8 x AC120/230 V	SIMATIC S7	8.9
6ES7422-1FH00-0AA0	SM 421 (new calculated)	SIMATIC S7	18.5
6ES7422-1HH00-0AA0	SM 422 (new calculated)	SIMATIC S7	106.6
6ES7422-5EH00-0AB0	DO	SIMATIC S7	8.8
6ES7422-5EH10-0AB0	DO	SIMATIC S7	20.0
6ES7422-7BL00-0AB0	SM 422, 16DO DC24V/0,5A diagn.	SIMATIC S7	29.0
6ES7431-0HH00-0AB0	SM 431 16x13Bit	SIMATIC S7	81.7
6ES7431-1KF00-0AB0	SM 431, AI "low cost", 8 channels	SIMATIC S7	79.0
6ES7431-1KF10-0AB0	SM 431, AI "gen. purp.", 8 channels	SIMATIC S7	49.2
6ES7431-1KF20-0AB0	SM 431, AI "high speed", 8 channels	SIMATIC S7	47.1
6ES7431-7KF00-0AB0	SM 431	SIMATIC S7	14.5
6ES7431-7KF10-0AB0	SM 431	SIMATIC S7	20.9
6ES7431-7QH00-0AB0	SM 431, AI "gen. purp.", 16 chan., IR+Diagn.	SIMATIC S7	32.7
6ES7432-1HF00-0AB0	SM 432, AO 8 channels	SIMATIC S7	52.0
6ES7440-1CS00-0YE0	CP 440	SIMATIC S7	67.0
6ES7441-1AA00-0AE0	CP 441-1	SIMATIC S7	32.0
6ES7441-1AA03-0AE0	CP 441-1	SIMATIC S7	35.0
6ES7441-1AA04-0AE0	CP 441-1	SIMATIC S7	98.1
6ES7441-1AA05-0AE0	CP 441-1	SIMATIC S7	105.7
6ES7441-2AA00-0AE0	CP 441-2	SIMATIC S7	33.0
6ES7441-2AA03-0AE0	CP 441-2	SIMATIC S7	35.0
6ES7441-2AA04-0AE0	CP 441-2	SIMATIC S7	96.1
6ES7441-2AA05-0AE0	CP 441-2	SIMATIC S7	104.2
6ES7450-1AP00-0AE0	FM 450-1	SIMATIC S7	20.3
6ES7460-0AA00-0AB0	IM 460-0	SIMATIC S7	115.0
6ES7460-0AA01-0AB0	IM 460-0	SIMATIC S7	212.5
6ES7460-1BA00-0AB0	IM 460-1	SIMATIC S7	140.7
6ES7460-1BA01-0AB0	IM 460-1	SIMATIC S7	192.9
6ES7460-3AA00-0AB0	IM 460-3	SIMATIC S7	70.0
6ES7460-3AA01-0AB0	IM 460-3	SIMATIC S7	122.0

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7460-4AA01-0AB0	IM 460-4	SIMATIC S7	141.1
6ES7461-0AA00-0AA0	IM 461-0	SIMATIC S7	72.5
6ES7461-0AA01-0AA0	IM 461-0	SIMATIC S7	193.4
6ES7461-1BA00-0AA0	IM 461-1	SIMATIC S7	85.6
6ES7461-1BA01-0AA0	IM 461-1	SIMATIC S7	211.9
6ES7461-3AA00-0AA0	IM 461-3	SIMATIC S7	60.4
6ES7461-3AA01-0AA0	IM 461-3	SIMATIC S7	154.5
6ES7461-4AA00-7AA0	Terminator IM 461-4	SIMATIC S7	2730.0
6ES7461-4AA01-0AA0	IM 461-4	SIMATIC S7	175.8
6ES7463-2AA00-0AA0	IM 463-2	SIMATIC S7	43.4
6ES7467-5FJ00-0AB0	IM 467 FO	SIMATIC S7	14.4
6ES7467-5GJ02-0AB0	IM 467 FO	SIMATIC S7	9.1
6ES7470-0AA00-0AA0		SIMATIC S7	358.8
6ES7505-0KA00-0AB0	DC 25W	SIMATIC S7-1500	28.0
6ES7505-0RA00-0AB0	DC 60W	SIMATIC S7-1500	21.9
6ES7507-0RA00-0AB0	AC 60W	SIMATIC S7-1500	22.9
6ES7511-1AK00-0AB0	CPU 1511-1 PN incl. Display	SIMATIC S7-1500	29.9
6ES7511-1AK00-0AB0	CPU 1511-1 PN without Display	SIMATIC S7-1500	46.0
6ES7513-1AL00-0AB0	CPU 1513-1 PN incl. Display	SIMATIC S7-1500	29.9
6ES7513-1AL00-0AB0	CPU 1513-1 PN without Display	SIMATIC S7-1500	46.0
6ES7515-2AM00-0AB0	CPU 1515-2 PN incl. Display	SIMATIC S7-1500	27.7
6ES7515-2AM00-0AB0	CPU 1515-2 PN without Display	SIMATIC S7-1500	40.3
6ES7516-3AN00-0AB0	CPU 1516-3 PN/DP incl. Display	SIMATIC S7-1500	26.5
6ES7516-3AN00-0AB0	CPU 1516-3 PN/DP without Display	SIMATIC S7-1500	37.9
6ES7518-4AP00-0AB0	CPU 1518-4 PN/DP incl. Display	SIMATIC S7-1500	11.1
6ES7518-4AP00-0AB0	CPU 1518-4 PN/DP without Display	SIMATIC S7-1500	12.7
6ES7521-1BH00-0AB0	DI 16x24VDC HF	SIMATIC S7-1500	109.2
6ES7521-1BH50-0AA0	DI 16x24VDC SRC BA	SIMATIC S7-1500	120.6
6ES7521-1BL00-0AB0	DI 32x24VDC HF	SIMATIC S7-1500	90.5
6ES7521-1BL10-0AA0	DI 32x24VDC	SIMATIC S7-1500	78.7
6ES7521-1FH00-0AA0	DI 16x230VAC BA	SIMATIC S7-1500	103.5
6ES7522-1BF00-0AB0	DQ 8x24VDC/2A HF	SIMATIC S7-1500	64.9
6ES7522-1BH00-0AB0	DQ 16x24VDC/0.5A ST	SIMATIC S7-1500	119.9
6ES7522-1BL00-0AB0	DQ 32x24VDC/0.5A ST	SIMATIC S7-1500	94.7
6ES7522-1BL10-0AA0	DQ 32x24VDC/0.5A BA	SIMATIC S7-1500	109.8
6ES7522-5FF00-0AB0	DQ 8x230VAC/2A ST	SIMATIC S7-1500	58.7
6ES7522-5HF00-0AB0	DQ 8x230VAC/5A ST	SIMATIC S7-1500	98.2
6ES7531-7KF00-0AB0	AI 8xU/I/RTD/TC ST	SIMATIC S7-1500	50.7
6ES7531-7NF10-0AB0	AI 8xU/I HS	SIMATIC S7-1500	46.1
6ES7532-5HD00-0AB0	AQ 4xU/I ST	SIMATIC S7-1500	61.2
6ES7532-5HF00-0AB0	AQ 8xU/I HS	SIMATIC S7-1500	53.9
6ES7540-1AD00-0AA0	CM PtP Basic RS232	SIMATIC S7-1500	129.4
6ES7541-1AB00-0AB0	CM PtP HF RS422/485	SIMATIC S7-1500	121.2
6ES7541-1AD00-0AB0	CM PtP HF RS232	SIMATIC S7-1500	129.4
6ES7550-1AA00-0AB0	TM 1550 [Count]	SIMATIC S7-1500	57.9
6ES7590-0AA00-0AA0	U-connector	SIMATIC S7-1500	11890.0
6ES7592-1AM00-0XB0	Front connector Screw type, 35mm	SIMATIC S7-1500	114.1
6ES7592-1BM00-0XA0	Front connector Push-In, 25mm	SIMATIC S7-1500	114.1
6ES7592-1BM00-0XB0	Front connector Push-In type, 35mm	SIMATIC S7-1500	114.1
6ES7613-2CA01-0AE3	C7-613	SIMATIC C7	9.1
6ES7614-1AH03-0AB3	CPU 614	SIMATIC S7	105.1
6ES7635-2BE01-0AE3	C7-635 Touch	SIMATIC C7	7.9

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7635-2CE01-0AE3	C7-635 Key	SIMATIC C7	7.8
6ES7636-2EC00-0AE3	C7-636 Key	SIMATIC C7	5.9
6ES7650-1AA51-2XX0	Std-8-chan, Analog Input MTA	SIMATIC S7	194.0
6ES7650-1AA52-2XX0	Std-8-chan, Analog Input MTA	SIMATIC S7	154.0
6ES7650-1AA61-2XX0	Std-8-chan, HART Analog Input MTA	SIMATIC S7	82.0
6ES7650-1AB51-2XX0	Std-8-chan, Analog Output MTA	SIMATIC S7	715.0
6ES7650-1AB61-2XX0	Std-8-chan, HART Analog Output MTA	SIMATIC S7	748.0
6ES7650-1AC11-3XX0	Std-16-chan, Discrete 24 VDC Input MTA	SIMATIC S7	103.0
6ES7650-1AD10-2XX0	Std-16-chan, Discrete 24 VDC Output MTA	SIMATIC S7	298.0
6ES7650-1AD11-2XX0	Std-16-chan, Discrete 24 VDC Output MTA	SIMATIC S7	82.0
6ES7650-1AD11-2XX0-Z	Std-16-chan, Discrete 24 VDC Output MTA	SIMATIC S7	24.4
6ES7650-1AF51-2XX0	Std-8-chan, TC Input MTA	SIMATIC S7	1380.0
6ES7650-1AG51-2XX0	Std-8-chan, RTD Input MTA	SIMATIC S7	1328.0
6ES7650-1AH61-5XX0	FailSafe 6-chan, HART Analog Input MTA	SIMATIC S7	190.0
6ES7650-1AH62-5XX0	FailSafe 6-chan, HART Analog Input MTA	SIMATIC S7	92.0
6ES7650-1AK11-7XX0	FailSafe 24-chan, Discrete 24 VDC Input MTA	SIMATIC S7	74.0
6ES7650-1AL11-6XX0	FailSafe 10-chan, Discrete 24 VDC Output MTA	SIMATIC S7	159.0
6ES7650-1AM30-3XX0	Std-16-chan, Relay Output MTA	SIMATIC S7	240.0
6ES7650-1AM31-6XX0	FailSafe 10-chan, Relay Output MTA	SIMATIC S7	130.0
6ES7653-2CA00-0XB0	C-Plug M1-100 PO	SIMATIC S7	1750.0
6ES7653-2CC00-0XB0	C-Plug M1-500 PO	SIMATIC S7	1750.0
6ES7653-2CE00-0XB0	C-Plug M1-1000 PO	SIMATIC S7	1750.0
6ES7653-2CF00-0XB0	C-Plug M1-1600 PO	SIMATIC S7	1750.0
6ES7653-2CG00-0XB0	C-Plug M1-2600 PO	SIMATIC S7	1750.0
6ES7653-2CM00-0XB0	PCS7 system expansion Card PO 800	SIMATIC S7	1750.0
6ES7654-0YK00-0AB0	Y-coupler	SIMATIC S7	109764.4
6ES7654-0YS00-0AB0	Y-IM	SIMATIC S7	46.7
6ES7654-7HY00-0XA0	Y-coupler	SIMATIC S7	27441.1
6ES7673-2CC00-0YX0	WinAC Slot 412	SIMATIC S7	22.9
6ES7673-2CC20-0YX0	WinAC Slot 416	SIMATIC S7	21.5
6ES7673-2CC40-0YA0	WinAC Slot	SIMATIC S7	27.1
6ES7673-6CC00-0YX0	Win AC Pro	SIMATIC S7	12.4
6ES7673-6CC40-0YA0	WinAC Slot	SIMATIC S7	26.4
6ES7675-1CF30-0AA0	Microbox 427B RTX	SIMATIC S7	11.0
6ES7677-1DD00-0BA0	Embedded Controller EC31	SIMATIC S7	12.5
6ES7677-1DD00-0BB0	Embedded Controller EC31RTX	SIMATIC S7	12.5
6ES7677-1DD00-0BF0	Embedded Controller EC31-HMI/RTX (128T)	SIMATIC S7	12.5
6ES7677-1DD00-0BG0	Embedded Controller EC31-HMI/RTX (512T)	SIMATIC S7	12.5
6ES7677-1DD00-0BH0	Embedded Controller EC31-HMI/RTX (2048T)	SIMATIC S7	12.5
6ES7677-1DD01-0BA0	Embedded Controller EC31	SIMATIC S7	12.5
6ES7677-1DD10-0BB0	Embedded Controller EC31RTX	SIMATIC S7	12.5
6ES7677-1DD10-0BF0	Embedded Controller EC31-HMI/RTX (128T)	SIMATIC S7	12.5
6ES7677-1DD10-0BG0	Embedded Controller EC31-HMI/RTX (512T)	SIMATIC S7	12.5
6ES7677-1DD10-0BH0	Embedded Controller EC31-HMI/RTX (2048T)	SIMATIC S7	12.5
6ES7677-1DD40-1AA0	Embedded Controller PCI104 Extension	SIMATIC S7	118.5
6ES7677-1DD50-2AA0	Embedded Controller Media Extension	SIMATIC S7	51.2
6ES7677-1FD00-0FB0	Embedded Controller EC31-RTX-F	SIMATIC S7	12.5
6ES7677-1FD10-0FB0	Embedded Controller EC31-RTX-F	SIMATIC S7	12.5
6ES7792-0AA00-0XA0	USB-prommer	SIMATIC S7	100.0
6ES7901-3BF00-0XA0	PC/PPI-cable (RS232/RS485)	SIMATIC S7	190.0
6ES7901-3BF20-0XA0	PC/PPI cable (RS 232/RS 485)	SIMATIC S7	163.0
6ES7901-3BF21-0XA0	PC/PPI Cable (RS232/RS485)	SIMATIC S7	163.0

PLC Module

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Order Number	Type Description	System	MTBF (year)
6ES7901-3CB30-0XA0	PC/PPI-MM Cable (RS232/RS485)	SIMATIC S7	247.0
6ES7901-3DB30-0XA0	PC/PPI-MM Cable (USB/RS485)	SIMATIC S7	202.0
6ES7924-0AA00-0AA0	TP1/Screw	SIMATIC S7	14748.7
6ES7924-0AA00-0AB0	TP1/spring	SIMATIC S7	14748.7
6ES7924-0BB00-0AA0	TP2/screw	SIMATIC S7	9017.0
6ES7924-0BB00-0AB0	TP2/spring	SIMATIC S7	9017.0
6ES7924-0CA00-0AA0	TP3	SIMATIC S7	7982.9
6ES7924-0CA00-0AB0	TP3	SIMATIC S7	7982.9
6ES7924-0CC00-0AA0	TPA/screw	SIMATIC S7	7982.9
6ES7924-0CC00-0AB0	TPA/spring	SIMATIC S7	7982.9
6ES7951-0AG00-0AA0	Memory-Card RAM 128KB	SIMATIC S7	530.0
6ES7951-0FD00-0AA0	Memory Card	SIMATIC S7	90.2
6ES7951-0FE00-0AA0	Memory Card	SIMATIC S7	90.2
6ES7951-0FF00-0AA0	Memory Card	SIMATIC S7	90.2
6ES7951-0FG00-0AA0	Memory Card	SIMATIC S7	90.2
6ES7951-0KD00-0AA0	Memory-Card Flash-EPROM 16KB	SIMATIC S7	275.0
6ES7951-0KD80-0AA0	Memory-Card Flash-EPROM 16KB	SIMATIC S7	275.0
6ES7951-0KE00-0AA0	Memory-Card Flash-EPROM 32KB	SIMATIC S7	275.0
6ES7951-0KE80-0AA0	Memory-Card Flash-EPROM 32KB	SIMATIC S7	275.0
6ES7951-0KF00-0AA0	Memory-Card Flash-EPROM 64KB	SIMATIC S7	275.0
6ES7951-0KF80-0AA0	Memory-Card Flash-EPROM 64KB	SIMATIC S7	275.0
6ES7951-0KG00-0AA0	Memory-Card Flash-EPROM 128KB	SIMATIC S7	275.0
6ES7951-0KJ00-0AA0	Memory-Card Flash-EPROM 512KB	SIMATIC S7	239.0
6ES7951-1AH00-0AA0	Memory-Card RAM 256KB	SIMATIC S7	489.0
6ES7951-1AJ00-0AA0	Memory-Card RAM 512KB	SIMATIC S7	423.0
6ES7951-1AK00-0AA0	Memory-Card RAM 1MB	SIMATIC S7	335.0
6ES7951-1AL00-0AA0	Memory-Card RAM 2MB	SIMATIC S7	239.0
6ES7951-1KH00-0AA0	Memory-Card Flash-EPROM 256KB	SIMATIC S7	210.0
6ES7951-1KK00-0AA0	Memory-Card Flash-EPROM 1MB	SIMATIC S7	583.0
6ES7951-1KL00-0AA0	Memory-Card Flash-EPROM 2MB	SIMATIC S7	409.0
6ES7951-1KM00-0AA0	Memory-Card Flash-EPROM 4MB	SIMATIC S7	306.0
6ES7952-0AF00-0AA0	Memory-Card RAM 64KB	SIMATIC S7	173.0
6ES7952-0KF00-0AA0	Memory-Card Flash-EPROM 64KB	SIMATIC S7	275.0
6ES7952-0KH00-0AA0	Memory-Card Flash-EPROM 256KB	SIMATIC S7	210.0
6ES7952-1AH00-0AA0	Memory-Card RAM 256KB	SIMATIC S7	128.0
6ES7952-1AK00-0AA0	Memory-Card RAM 1MB	SIMATIC S7	48.0
6ES7952-1AL00-0AA0	Memory-Card RAM 2MB	SIMATIC S7	305.1
6ES7952-1AM00-0AA0	Memory-Card RAM 4MB	SIMATIC S7	406.5
6ES7952-1AP00-0AA0	Memory-Card RAM 8MB	SIMATIC S7	331.1
6ES7952-1AS00-0AA0	Memory-Card RAM 16MB	SIMATIC S7	84.0
6ES7952-1AY00-0AA0	Memory Card RAM 64MB	SIMATIC S7	60.7
6ES7952-1KK00-0AA0	Memory-Card Flash-EPROM 1MB	SIMATIC S7	171.0
6ES7952-1KL00-0AA0	Memory-Card Flash-EPROM 2MB	SIMATIC S7	109.0
6ES7952-1KM00-0AA0	Memory-Card Flash-EPROM 4MB	SIMATIC S7	279.0
6ES7952-1KP00-0AA0	Memory-Card Flash-EPROM 8MB	SIMATIC S7	273.0
6ES7952-1KS00-0AA0	Memory-Card Flash-EPROM 16MB	SIMATIC S7	262.0
6ES7952-1KT00-0AA0	Memory-Card Flash-EPROM 32MB	SIMATIC S7	64.0
6ES7952-1KY00-0AA0	Memory-Card Flash-EPROM 64MB	SIMATIC S7	33.0
6ES7953-8Lx00-0AA0	MMC S7-300	SIMATIC S7	114.0
6ES7953-8Lx10-0AA0	MMC S7-300	SIMATIC S7	114.0
6ES7953-8Lx11-0AA0	MMC S7-300	SIMATIC S7	114.0
6ES7953-8Lx20-0AA0	MMC S7-300	SIMATIC S7	400.0

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Order Number	Type Description	System	MTBF (year)
6ES7953-8Lx30-0AA0	MMC S7-300	SIMATIC S7	456.6
6ES7953-8Lx31-0AA0	MMC S7-300	SIMATIC S7	456.6
6ES7954-8Lx00-0AA0	MC S7-1200/1500	SIMATIC S7-1200	456.6
6ES7954-8Lx01-0AA0	MC S7-1200/1500	SIMATIC S7-1200	489.0
6ES7954-8Lx02-0AA0	MC S7-1200/1500	SIMATIC S7-1200	489.0
6ES7955-2AM10-0AA0	EDC working memory	SIMATIC S7	89.5
6ES7960-1AA00-0XA0	HF-Synch-module	SIMATIC S7	150.0
6ES7960-1AA04-0XA0	Synch-module	SIMATIC S7	394.9
6ES7960-1AA04-5AA0	Patch cabel 1m	SIMATIC S7	394.9
6ES7960-1AA04-5BA0	Patch cabel 2m	SIMATIC S7	394.9
6ES7960-1AA04-5KA0	Patch cabel 10m	SIMATIC S7	394.9
6ES7960-1AA06-0XA0	Synch-module	SIMATIC S7	152.7
6ES7960-1AB04-0XA0	Synch-module	SIMATIC S7	394.9
6ES7960-1AB06-0XA0	Synch-module	SIMATIC S7	171.2
6ES7963-1AA00-0AA0	IF-Module RS 232C	SIMATIC S7	182.0
6ES7963-1AA10-0AA0	IF-Module RS 232C	SIMATIC S7	1642.5
6ES7963-2AA00-0AA0	IF-Module TTY	SIMATIC S7	61.0
6ES7963-2AA10-0AA0	IF-Module TTY	SIMATIC S7	1192.8
6ES7963-3AA00-0AA0	IF-Module X27	SIMATIC S7	97.0
6ES7963-3AA10-0AA0	IF-Module X27	SIMATIC S7	300.6
6ES7964-2AA00-0AB0	IF964 - DP	SIMATIC S7	71.5
6ES7964-2AA04-0AB0	DP-interface module	SIMATIC S7	703.4
6ES7972-0AA00-0XA0	RS485-Repeater	SIMATIC S7	64.0
6ES7972-0AA01-0XA0	RS 485-Repeater	SIMATIC S7	93.9
6ES7972-0AA02-0XA0	RS 485-Repeater	SIMATIC S7	178.1
6ES7972-0AB00-0XA0	Diagnosis Repeater	SIMATIC S7	31.7
6ES7972-0AB01-0XA0	ET200 diagnosis repeater	SIMATIC S7	31.7
6ES7972-0AC80-0XA0	RS485 IS-Koppler	SIMATIC S7	48.8
6ES7972-0BA12-0XA0	profibus connector	SIMATIC S7	19120.4
6ES7972-0BA40-0XA0	profibus connector	SIMATIC S7	17078.1
6ES7972-0BA41-0XA0	profibus connector	SIMATIC S7	17078.1
6ES7972-0BA42-0XA0	profibus connector	SIMATIC S7	16307.1
6ES7972-0BA50-0XA0	profibus connector	SIMATIC S7	28752.0
6ES7972-0BA52-0XA0	profibus connector	SIMATIC S7	11866.0
6ES7972-0BA60-0XA0	profibus connector	SIMATIC S7	19024.8
6ES7972-0BB12-0XA0	profibus connector	SIMATIC S7	16615.7
6ES7972-0BB40-0XA0	profibus connector	SIMATIC S7	14534.1
6ES7972-0BB41-0XA0	profibus connector	SIMATIC S7	14534.1
6ES7972-0BB42-0XA0	profibus connector	SIMATIC S7	14449.4
6ES7972-0BB50-0XA0	profibus connector	SIMATIC S7	23439.0
6ES7972-0BB52-0XA0	profibus connector	SIMATIC S7	10851.0
6ES7972-0BB60-0XA0	profibus connector	SIMATIC S7	16543.2
6ES7972-0CA00-0XA0	power-set for PC adapter USB	SIMATIC S7	22.9
6ES7972-0CA34-0XA0	TS-Adapter V5.2	SIMATIC S7	106.7
6ES7972-0CB20-0XA0	PC-Adapter USB	SIMATIC S7	117.8
6ES7972-0CB35-0XA0	TS adapter II analog	SIMATIC S7	113.3
6ES7972-0CC35-0XA0	TS-Adapter II ISDN	SIMATIC S7	117.9
6ES7972-0DA00-0AA0	Active bus terminal	SIMATIC S7	107.7
6ES7972-0ED00-0XA0	TS-Adapter IE/ISDN	SIMATIC S7	67.1
6ES7972-0EM00-0XA0	TS Adapter IE/Modem	SIMATIC S7	63.3
6ES7972-4AA02-0XA0	power rail booster	SIMATIC S7	32.3

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK1100-0AA00	Repeater for industrial ethernet	SIMATIC NET	33.0
6GK5400-8AS00-8AP2	SCALANCE PE400-8 SFP	SIMATIC NET	63.6
6GK5748-1GD00-0AB0	SCALANCE W748-1 M12 USA	SIMATIC NET	42.1
6GK1100-0BA00	TPTR	SIMATIC NET	376.0
6GK1100-2AB00	OMC TP11	SIMATIC NET	232.3
6GK1100-2AC00	OMC TP11 LD	SIMATIC NET	232.3
6GK1102-0AC00	SSV 102	SIMATIC NET	19.2
6GK1102-4AA00	Ind. Eth. OLM	SIMATIC NET	39.6
6GK1102-5AA00	Ind. Eth. ELM	SIMATIC NET	47.3
6GK1102-6AA00	ELS TP40	SIMATIC NET	240.0
6GK1102-6AB00	ELS TP 40M	SIMATIC NET	104.1
6GK1102-7AA00	ELS TP 80	SIMATIC NET	182.4
6GK1104-0AA00	SSV 104	SIMATIC NET	3.8
6GK1105-2AA00	OSM ITP62	SIMATIC NET	58.6
6GK1105-2AA10	OSM ITP62	SIMATIC NET	48.4
6GK1105-2AB00	OSM TP62	SIMATIC NET	15.1
6GK1105-2AB10	OSM TP 62	SIMATIC NET	48.5
6GK1105-2AC10	OSM ITP LD	SIMATIC NET	48.8
6GK1105-2AD00	OSM ITP53	SIMATIC NET	15.1
6GK1105-2AD10	OSM ITP 53	SIMATIC NET	43.0
6GK1105-2AE00	OSM TP22	SIMATIC NET	51.7
6GK1105-3AA00	ESM ITP80	SIMATIC NET	15.1
6GK1105-3AA10	OSM ITP 80	SIMATIC NET	50.1
6GK1105-3AB00	ESM TP80	SIMATIC NET	15.1
6GK1105-3AB10	ESM TP80	SIMATIC NET	50.2
6GK1105-3AC00	ESM TP40	SIMATIC NET	48.0
6GK1105-4AA00	OSM BC08	SIMATIC NET	45.5
6GK1110-1AA00	RLM (calc. 25 deg C)	SIMATIC NET	17.1
6GK1140-1AA00	CP1401	SIMATIC NET	40.5
6GK1141-1AA00	CP1411	SIMATIC NET	64.9
6GK1143-0TA01	CP 1430 Basic	SIMATIC NET	8.2
6GK1143-0TA02	CP1430TF Basic	SIMATIC NET	8.2
6GK1143-0TB01	CP 1430 Extended	SIMATIC NET	7.7
6GK1147-3MA00	CP 1473 MAP	SIMATIC NET	4.1
6GK1151-5AA00	CP 1515 (calc. 40 deg C)	SIMATIC NET	14.3
6GK1160-4AA01	CP1604	SIMATIC NET	87.1
6GK1160-4AT00	CP1604 TS	SIMATIC NET	110.6
6GK1160-4AU01	CP1604 Microbox package	SIMATIC NET	87.1
6GK1161-3AA00	CP1613	SIMATIC NET	85.4
6GK1161-3AA01	CP 1613A2 (calc. for 55 degr)	SIMATIC NET	42.3
6GK1161-6AA02	CP1616	SIMATIC NET	112.5
6GK1162-3AA00	CP1623	SIMATIC NET	69.9
6GK1162-8AA00	CP1628	SIMATIC NET	69.9
6GK1210-0SA00	ASI repeater	SIMATIC NET	32.3
6GK1210-1SA00	ASI extender	SIMATIC NET	29.6
6GK1241-3SA00	CP 2413	SIMATIC NET	37.9
6GK1243-0SA00	CP 2430	SIMATIC NET	15.0
6GK1243-0SA20	CP 2430	SIMATIC NET	15.0
6GK1243-3SA00	CP 2433	SIMATIC NET	40.6
6GK1411-2AB10	IE/ASI-link	SIMATIC NET	24.1
6GK1411-2AB20	IE/ASI-link	SIMATIC NET	23.5

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK1411-2BA20	DP/ASI-link	SIMATIC NET	23.1
6GK1411-5AA00	IE/PB-link	SIMATIC NET	18.1
6GK1411-5AB00	IP/PB link PNIO	SIMATIC NET	56.5
6GK1415-2AA00	Link20	SIMATIC NET	42.0
6GK1415-2AA01	DP/AS-interface Link 20E	SIMATIC NET	71.2
6GK1415-2AA10	DP/AS-interface Link 20E	SIMATIC NET	120.0
6GK1415-2BA10	DP/ASI-link	SIMATIC NET	23.7
6GK1417-5AB00	IWLAN/PB Link	SIMATIC NET	73.0
6GK1500-0AA00		SIMATIC NET	1118.4
6GK1500-0AA10	busterminal 20M	SIMATIC NET	356.7
6GK1500-0AB00		SIMATIC NET	1118.4
6GK1500-0BA00		SIMATIC NET	57.8
6GK1500-0BB00		SIMATIC NET	57.8
6GK1500-0CA00		SIMATIC NET	58.9
6GK1500-0CB00		SIMATIC NET	58.9
6GK1500-0DA00		SIMATIC NET	1085.4
6GK1500-0FC10	profibus connector	SIMATIC NET	11866.0
6GK1500-3AA00	OBT	SIMATIC NET	75.1
6GK1500-3AA10	Optical Bus Terminal 2.0	SIMATIC NET	bei 40°C: 217,3
6GK1500-3AA10	Optical Bus Terminal 2.0	SIMATIC NET	bei 60°C: 104,9
6GK1502-2CA00	OLM P11	SIMATIC NET	23.2
6GK1502-2CA10	OLM/P11	SIMATIC NET	23.2
6GK1502-2CB00	OLM G11	SIMATIC NET	23.2
6GK1502-2CB10	OLM/G11	SIMATIC NET	23.2
6GK1502-2CC00	OLM G11-1300	SIMATIC NET	23.2
6GK1502-2CC10	OLM/G11-1300	SIMATIC NET	23.2
6GK1502-3AA10	Profibus OLM/P3	SIMATIC NET	18.6
6GK1502-3AB10	Profibus OLM/S3	SIMATIC NET	25.4
6GK1502-3AC10	Profibus OLM/S3-1300	SIMATIC NET	24.0
6GK1502-3CA00	OLM P12	SIMATIC NET	23.2
6GK1502-3CA10	OLM/P12	SIMATIC NET	23.2
6GK1502-3CB00	OLM G12	SIMATIC NET	23.2
6GK1502-3CB10	OLM/G12	SIMATIC NET	23.2
6GK1502-3CC00	OLM G12-1300	SIMATIC NET	23.2
6GK1502-3CC10	OLM/G12-1300	SIMATIC NET	23.2
6GK1502-3CD00	OLM G12-ECC	SIMATIC NET	23.2
6GK1502-3CD10	OLM/G12-ECC	SIMATIC NET	23.2
6GK1502-4AA10	Profibus OLM/P4	SIMATIC NET	12.3
6GK1502-4AB10	Profibus OLM/S4	SIMATIC NET	19.2
6GK1502-4AC10	Profibus OLM/S4-1300	SIMATIC NET	17.8
6GK1503-2CA00	OLM P11 V4.0	SIMATIC NET	16.6
6GK1503-2CB00	OLM G11 V4.0	SIMATIC NET	19.4
6GK1503-2CC00	OLM G11-1300 V4.0	SIMATIC NET	17.4
6GK1503-3CA00	OLM P12 V4.0	SIMATIC NET	8.8
6GK1503-3CA10	OLM P12 V4.01	SIMATIC NET	116.5
6GK1503-3CB00	OLM G12 V4.0	SIMATIC NET	10.3
6GK1503-3CC00	OLM G12-1300 V4.0	SIMATIC NET	9.2
6GK1503-3CD00	OLM G12-EEC V4.0	SIMATIC NET	10.3
6GK1503-4CA00	OLM P22 V4.0	SIMATIC NET	8.8
6GK1503-4CB00	OLM G22 V4.0	SIMATIC NET	10.3
6GK1541-1AA00	CP 5411	SIMATIC NET	27.1
6GK1541-2BA00	CP 5412 (A2)	SIMATIC NET	33.8

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK1543-0AA00	CP 5430	SIMATIC NET	6.4
6GK1543-1AA01	CP 5431 FMS/DP	SIMATIC NET	8.1
6GK1548-0BA00	CP 5480	SIMATIC NET	6.6
6GK1548-0FA00	CP 5480	SIMATIC NET	6.6
6GK1551-1AA00	CP 5511	SIMATIC NET	33.0
6GK1551-2AA00	CP 5512	SIMATIC NET	135.5
6GK1561-1AA00	CP 5611	SIMATIC NET	29.8
6GK1561-1AA01	CP 5611 A2	SIMATIC NET	105.0
6GK1561-2AA00	CP5612	SIMATIC NET	74.0
6GK1561-3AA00	CP5613	SIMATIC NET	33.5
6GK1561-3AA01	CP 5613-A2	SIMATIC NET	52.5
6GK1561-3AA02	CP 5613-A3	SIMATIC NET	74.0
6GK1561-3FA00	CP 5613 FO	SIMATIC NET	65.8
6GK1561-4AA00	CP 5614	SIMATIC NET	53.4
6GK1561-4AA01	CP 5614-A2	SIMATIC NET	43.5
6GK1561-4AA02	CP 5614-A3	SIMATIC NET	64.1
6GK1561-4FA00	CP 5614 FO	SIMATIC NET	55.7
6GK1562-1AA00	CP5621	SIMATIC NET	109.4
6GK1562-2AA00	CP5622	SIMATIC NET	84.4
6GK1562-3AA00	CP5623	SIMATIC NET	67.0
6GK1562-4AA00	CP5624	SIMATIC NET	58.0
6GK1571-0BA00-0AA0	PC adapter USB A2	SIMATIC NET	148.5
6GK1571-1AA00	CP5711	SIMATIC NET	93.6
6GK1571-1AA00-0AD0	Y-ConUSB IP20	SIMATIC NET	93.6
6GK1611-0TA00-0AA0	MOBIC	SIMATIC NET	2.7
6GK1611-0TA01-0AV0	MOBIC T8 chines	SIMATIC NET	2.7
6GK1611-0TA01-0AX0	MOBIC T8 d,e,f,s,i	SIMATIC NET	2.7
6GK1611-0TA01-0BX0	MOBIC T8 V1.1 d,e,f,s,i	SIMATIC NET	2.7
6GK1611-0TA01-1BX0	MOBIC	SIMATIC NET	2.7
6GK1900-0AB00	C-Plug standard	SIMATIC NET	611.0
6GK1900-0AB01	C-Plug standard	SIMATIC NET	482.5
6GK1901-0AA00-0AA0	Transceiver IE	SIMATIC NET	16.8
6GK1901-0AA00-0AC0	Transceiver for IE, 2 interfaces	SIMATIC NET	21.0
6GK1921-0AA01-0AA0	real-time transmitter	SIMATIC NET	10.6
6GK1921-0AB01-0AA0	real-time transmitter	SIMATIC NET	10.6
6GK1953-0BA00	Development Kit ERTEC 200 PN IO	SIMATIC NET	51.8
6GK5905-0PA00	key-plug XR500 layer 3	SIMATIC NET	164.0
6GK5004-1BD00-1AB2	SCALANCE XB004-1	SIMATIC NET	232.0
6GK5004-1BF00-1AB2	SCALANCE XB004-1LD	SIMATIC NET	238.0
6GK5004-1GL00-1AB2	SCALANCE XB004-1G	SIMATIC NET	146.0
6GK5004-1GM00-1AB2	SCALANCE XB004-1LDG	SIMATIC NET	146.0
6GK5005-0BA00-1AB2	SCALANCE XB005	SIMATIC NET	241.0
6GK5005-0GA00-1AB2	SCALANCE XB005G	SIMATIC NET	168.0
6GK5008-0BA00-1AB2	SCALANCE XB008	SIMATIC NET	214.0
6GK5008-0GA00-1AB2	SCALANCE XB008G	SIMATIC NET	138.0
6GK5100-4AV00-2DA2	SCALANCE XC-100 OBR Singlemode (2x2)	SIMATIC NET	164.0
6GK5100-4AV00-2FA2	SCALANCE XC-100 OBR Singlemode	SIMATIC NET	164.2
6GK5100-4AW00-2FA2	SCALANCE XC-100 OBR Multimode	SIMATIC NET	164.2
6GK5101-1BB00-2AA3	SCALANCE X101-1	SIMATIC NET	134.0
6GK5101-1BC00-2AA3	SCALANCE X101-1LD	SIMATIC NET	134.0
6GK5101-1BH00-2AA3	SCALANCE X101-1POF	SIMATIC NET	134.0
6GK5101-1BX00-2AA3	SCALANCE X101-1AUI	SIMATIC NET	136.0

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK5101-1BY00-2AA3	SCALANCE X101-1FL	SIMATIC NET	134.0
6GK5104-2BB00-2AA3	SCALANCE X 104-2	SIMATIC NET	86.5
6GK5106-1BB00-2AA3	SCALANCE X 106-1	SIMATIC NET	132.9
6GK5108-0BA00-2AA3	SCALANCE X108	SIMATIC NET	55.9
6GK5108-0PA00-2AA3	SCALANCE X108PoE	SIMATIC NET	70.8
6GK5200-4AH00-2BA3	SCALANCE X200-4P IRT	SIMATIC NET	73.1
6GK5201-3BH00-2BA3	SCALANCE X201-3P IRT	SIMATIC NET	78.0
6GK5201-3JR00-2BA6	SCALANCE X201-3P Pro	SIMATIC NET	85.0
6GK5202-2BB00-2BA3	SCALANCE X202-2IRT	SIMATIC NET	70.9
6GK5202-2BH00-2BA3	SCALANCE X202-2P IRT	SIMATIC NET	83.7
6GK5202-2JR00-2BA6	SCALANCE X202-2P IRT PRO	SIMATIC NET	85.0
6GK5204-0BA00-2AF2	SCALANCE XF204	SIMATIC NET	48.0
6GK5204-0BA00-2BA3	SCALANCE X204IRT	SIMATIC NET	80.6
6GK5204-0BA00-2BF0	SCALANCE XF204IRT	SIMATIC NET	80.6
6GK5204-0BA00-2KB2	SCALANCE X204RNA	SIMATIC NET	92.5
6GK5204-0BA00-2MB2	SCALANCE X204RNA HaSaR	SIMATIC NET	92.5
6GK5204-0BS00-2NA3	SCALANCE X204RNA EEC HaSaR	SIMATIC NET	67.6
6GK5204-0BS00-3LA3	SCALANCE X204 RNA EEC	SIMATIC NET	67.6
6GK5204-0BS00-3PA3	SCALANCE X204 RNA EEC K	SIMATIC NET	67.6
6GK5204-0JA00-2BA6	SCALANCE X204 IRT PRO	SIMATIC NET	98.6
6GK5204-2BB00-2AA3	SCALANCE X 204-2	SIMATIC NET	74.6
6GK5204-2BB10-2AA3	SCALANCE X204-2	SIMATIC NET	74.6
6GK5204-2BB10-2CA2	SCALANCE X204-2TS	SIMATIC NET	75.0
6GK5204-2BC00-2AA3	SCALANCE X204-2LD	SIMATIC NET	74.6
6GK5204-2BC00-2AF2	SCALANCE XF204-2	SIMATIC NET	43.6
6GK5204-2BC10-2AA3	SCALANCE X204-2LD	SIMATIC NET	74.6
6GK5206-1BB00-2AA3	SCALANCE X 206-1 (calc. For 60 degr)	SIMATIC NET	43.4
6GK5206-1BB10-2AA3	SCALANCE X206-1	SIMATIC NET	78.7
6GK5206-1BC00-2AF2	SCALANCE XF206-1	SIMATIC NET	43.5
6GK5206-1BC10-2AA3	SCALANCE X206-1LD	SIMATIC NET	78.7
6GK5208-0AH10-2AA6	SCALANCE X208Pro M12 V2	SIMATIC NET	80.5
6GK5208-0BA00-2AF2	SCALANCE XF208	SIMATIC NET	54.8
6GK5208-0BA10-2AA3	SCALANCE X208	SIMATIC NET	83.7
6GK5208-0HA00-2AA6	SCALANCE X208PRO M12	SIMATIC NET	91.7
6GK5212-2BB00-2AA3	SCALANCE X212-2	SIMATIC NET	51.2
6GK5212-2BC00-2AA3	SCALANCE X212-2LD	SIMATIC NET	51.2
6GK5216-0BA00-2AA3	SCALANCE X 216	SIMATIC NET	52.1
6GK5224-0BA00-2AA3	SCALANCE X224	SIMATIC NET	45.9
6GK5302-7GD00-1EA3	SCALANCE X302-7EEC, 24V-PS	SIMATIC NET	27.3
6GK5302-7GD00-2EA3	SCALANCE X302-7EEC, 24V-PS rd	SIMATIC NET	19.6
6GK5302-7GD00-3EA3	SCALANCE X302-7EEC, 230V-PS	SIMATIC NET	22.8
6GK5302-7GD00-4EA3	SCALANCE X302-7EEC, 230V-PS rd	SIMATIC NET	15.3
6GK5304-2BD00-2AA3	SCALANCE X304-2FE	SIMATIC NET	55.0
6GK5306-1BF00-2AA3	SCALANCE X306-1LD FE	SIMATIC NET	65.0
6GK5307-2FD00-1EA3	SCALANCE X307-2EEC, 24V-PS	SIMATIC NET	29.9
6GK5307-2FD00-2EA3	SCALANCE X307-2EEC, 24V-PS rd	SIMATIC NET	21.0
6GK5307-2FD00-3EA3	SCALANCE X307-2EEC, 230V-PS	SIMATIC NET	24.6
6GK5307-2FD00-4EA3	SCALANCE X307-2EEC, 230V-PS rd	SIMATIC NET	16.1
6GK5307-3BL00-2AA3	SCALANCE X307-3	SIMATIC NET	40.0
6GK5307-3BL10-2AA3	SCALANCE X307-3	SIMATIC NET	40.0
6GK5307-3BM00-2AA3	SCALANCE X307-3LD	SIMATIC NET	38.0
6GK5307-3BM10-2AA3	SCALANCE X307-3LD	SIMATIC NET	38.0

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK5308-2FL00-2AA3	SCALANCE X308-2	SIMATIC NET	42.0
6GK5308-2FL10-2AA3	SCALANCE X308-2	SIMATIC NET	42.0
6GK5308-2FM00-2AA3	SCALANCE X308-2LD	SIMATIC NET	48.1
6GK5308-2FN00-2AA3	SCALANCE X308-2LH	SIMATIC NET	38.0
6GK5 308-2FN10-2AA3	SCALANCE X308-2LH	SIMATIC NET	38.0
6GK5308-2FP00-2AA3	SCALANCE X308-2LH+	SIMATIC NET	38.0
6GK5308-2FP10-2AA3	SCALANCE X308-2LH+	SIMATIC NET	38.0
6GK5308-2GG00-2AA2	SCALANCE X300 Full Gigabit	SIMATIC NET	43.4
6GK5308-2GG00-2CA2	SCALANCE X308-2M TS	SIMATIC NET	46.2
6GK5308-2QG00-2AA2	SCALANCE X308-2M PoE compact	SIMATIC NET	33.7
6GK5310-0BA00-2AA3	SCALANCE X310FE	SIMATIC NET	45.0
6GK5310-0BA10-2AA3	SCALANCE X310FE	SIMATIC NET	45.0
6GK5310-0FA00-2AA3	SCALANCE X310	SIMATIC NET	45.0
6GK5310-0FA10-2AA3	SCALANCE X310	SIMATIC NET	45.0
6GK5320-1BD00-2AA3	SCALANCE X320-1FE	SIMATIC NET	35.0
6GK5320-3BF00-2AA3	SCALANCE X320-3LD FE	SIMATIC NET	30.0
6GK5324-0GG00-1AR2	SCALANCE X300	SIMATIC NET	27.3
6GK5324-0GG00-1CR2	SCALANCE XR324-12M 24V TS	SIMATIC NET	28.0
6GK5324-0GG00-1HR2	SCALANCE XR324-12M	SIMATIC NET	27.3
6GK5324-0GG00-3AR2	SCALANCE XR324-12M	SIMATIC NET	18.8
6GK5324-0GG00-3HR2	SCALANCE XR324-12M	SIMATIC NET	18.8
6GK5324-4GG00-1CR2	SCALANCE XR324-12M 24V TS	SIMATIC NET	29.0
6GK5324-4GG00-1ER2	SCALANCE XR324-4M EEC	SIMATIC NET	19.1
6GK5324-4GG00-1JR2	SCALANCE XR324-4M EEC	SIMATIC NET	19.1
6GK5324-4GG00-2ER2	SCALANCE XR324-4M EEC	SIMATIC NET	19.1
6GK5324-4GG00-2JR2	SCALANCE XR324-4M EEC	SIMATIC NET	19.1
6GK5324-4GG00-3ER2	SCALANCE XR324-4M EEC (1x220V)	SIMATIC NET	21.9
6GK5324-4GG00-3JR2	SCALANCE XR324-4M EEC (1x220V)	SIMATIC NET	21.9
6GK5324-4GG00-4ER2	SCALANCE XR324-4M EEC (2x220V)	SIMATIC NET	21.9
6GK5324-4GG00-4JR2	SCALANCE XR324-4M EEC (2x220V)	SIMATIC NET	21.9
6GK5324-4QG00-1AR2	SCALANCE XR324-4M PoE	SIMATIC NET	15.8
6GK5324-4QG00-1CR2	SCALANCE XR324-4M PoE TS	SIMATIC NET	15.5
6GK5324-4QG00-1HR2	SCALANCE XR324-4M PoE	SIMATIC NET	15.8
6GK5324-4QG00-3AR2	SCALANCE XR324-4M PoE 230V	SIMATIC NET	16.1
6GK5324-4QG00-3HR2	SCALANCE XR324-4M PoE 230V	SIMATIC NET	16.1
6GK5408-0GA00-8AP2	SCALANCE PE408	SIMATIC NET	58.1
6GK5408-2FD00-2AA2	SCALANCE X408-2	SIMATIC NET	36.8
6GK5408-8GS00-2AM2	SCALANCE XM408-8C	SIMATIC NET	28.5
6GK5414-3FC00-2AA2	SCALANCE X 414-3E	SIMATIC NET	24.1
6GK5416-4GS00-2AM2	SCALANCE XM416-4C	SIMATIC NET	22.1
6GK5491-2AB00-8AA2	MM 491-2	SIMATIC NET	138.3
6GK5491-2AC00-8AA2	MM 491-2LD	SIMATIC NET	138.3
6GK5491-2AE00-8AA2	MM491-2LH+	SIMATIC NET	125.2
6GK5492-2AL00-8AA2	MM492-2	SIMATIC NET	400.5
6GK5492-2AM00-8AA2	MM492-2LD	SIMATIC NET	400.5
6GK5492-2AN00-8AA2	SCALANCE X400, media module	SIMATIC NET	489.1
6GK5492-2AP00-8AA2	SCALANCE X400, media module	SIMATIC NET	489.5
6GK5492-2AQ00-8AA2	SCALANCE X400, MM492-2ELH	SIMATIC NET	489.5
6GK5495-8BA00-8AA2	EM 495-8	SIMATIC NET	1474.9
6GK5496-4MA00-8AA2	EM 496-4	SIMATIC NET	2038.5
6GK5528-0AA00-2AR2	SCALANCE XR528-6M	SIMATIC NET	17.1
6GK5528-0AA00-2HR2	SCALANCE XR528-6M BH	SIMATIC NET	17.1

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK5528-0AR00-2AR2	SCALANCE XR528-6M L3	SIMATIC NET	17.1
6GK5528-0AR00-2HR2	SCALANCE XR528-6M BH L3	SIMATIC NET	15.7
6GK5552-0AA00-2AR2	SCALANCE XR552-12M	SIMATIC NET	15.7
6GK5552-0AA00-2HR2	SCALANCE XR552-12M (BH)	SIMATIC NET	15.7
6GK5552-0AR00-2AR2	SCALANCE XR552-12M-L3	SIMATIC NET	15.7
6GK5552-0AR00-2HR2	SCALANCE XR552-12M (BH) L3	SIMATIC NET	15.7
6GK5597-1AA00-8AA0	SCALANCE Fan module	SIMATIC NET	52.9
6GK5597-2AA00-8AA0	Fan-module 597-2	SIMATIC NET	52.9
6GK5602-0BA10-2AA3	SCALANCE S602 V3	SIMATIC NET	54.6
6GK5612-0BA10-2AA3	SCALANCE S612 V3	SIMATIC NET	54.6
6GK5613-0BA00-2AA3	SCALANCE S613	SIMATIC NET	19.6
6GK5623-0BA10-2AA3	SCALANCE X623 V3	SIMATIC NET	52.4
6GK5627-2BA10-2AA3	SCALANCE S627-2M (V3)	SIMATIC NET	38.1
6GK5721-1FC00-0AA0	SCALANCE W921-1 RJ45	SIMATIC NET	106.5
6GK5734-1FX00-0AA0	SCALANCE W734-1 RJ45	SIMATIC NET	61.9
6GK5744-1AA30-2AA0	SCALANCE W744-1	SIMATIC NET	67.0
6GK5744-1AA30-2AB0	SCALANCE W744-1 US	SIMATIC NET	67.0
6GK5744-1AA60-2AA0	SCALANCE W744-1PRO	SIMATIC NET	67.0
6GK5744-1AA60-2AB0	SCALANCE W744-1PRO US	SIMATIC NET	67.0
6GK5744-1ST00-2AA6	SCALANCE W744-1PRO	SIMATIC NET	68.1
6GK5744-1ST00-2AB6	SCALANCE W744-1PRO US	SIMATIC NET	68.1
6GK5746-1AA30-4AA0	SCALANCE W746-1	SIMATIC NET	67.0
6GK5746-1AA30-4AB0	SCALANCE W746-1 USA	SIMATIC NET	67.0
6GK5746-1AA60-4AA0	SCALANCE W746-1PRO	SIMATIC NET	67.0
6GK5746-1AA60-4AB0	SCALANCE W746-1PRO USA	SIMATIC NET	67.0
6GK5747-1AA30-6AA0	SCALANCE W747-1	SIMATIC NET	67.0
6GK5747-1AA30-6AB0	SCALANCE W747-1 US	SIMATIC NET	67.0
6GK5747-1AA60-6AA0	SCALANCE W747-1RR	SIMATIC NET	67.0
6GK5747-1AA60-6AB0	SCALANCE W747-1RR US	SIMATIC NET	67.0
6GK5748-1FC00-0AA0	SCALANCE W748-1 RJ45	SIMATIC NET	41.5
6GK5748-1GD00-0AA0	SCALANCE W748-1 M12	SIMATIC NET	42.1
6GK5761.1FC00-0AA0	SCALANCE W761-1 RJ45	SIMATIC NET	106.5
6GK5774-1FX00-0AA0	SCALANCE W774-1 RJ45	SIMATIC NET	61.9
6GK5784-1AA30-2AA0	SCALANCE W784-1	SIMATIC NET	67.0
6GK5784-1AA30-2AB0	SCALANCE W784-1 US	SIMATIC NET	67.0
6GK5784-1AA30-6AA0	SCALANCE W784-1RR	SIMATIC NET	67.0
6GK5784-1AA30-6AB0	SCALANCE W784-1RR US	SIMATIC NET	67.0
6GK5785-2FE00-0AA0	SCALANCE W786 - 2SFP	SIMATIC NET	38.8
6GK5785-2FE00-1AA0	SCALANCE W786C - 2SFP	SIMATIC NET	38.8
6GK5786-1AA60-2AA0	SCALANCE W786-1PRO	SIMATIC NET	61.0
6GK5786-1AA60-2AB0	SCALANCE W786-1PRO US	SIMATIC NET	61.0
6GK5786-1AB60-2AA0	SCALANCE W786-1PRO	SIMATIC NET	61.0
6GK5786-1AB60-2AB0	SCALANCE W786-1PRO US	SIMATIC NET	61.0
6GK5786-1BA60-2AA0	SCALANCE W786-1PRO	SIMATIC NET	61.0
6GK5786-1BA60-2AB0	SCALANCE W786-1PRO US	SIMATIC NET	61.0
6GK5786-1BB60-2AA0	SCALANCE W786-1PRO	SIMATIC NET	61.0
6GK5786-1BB60-2AB0	SCALANCE W786-1PRO US	SIMATIC NET	61.0
6GK5786-1FC00-0AA0	SCALANCE W786-1 RJ45	SIMATIC NET	42.0
6GK5786-1FC00-0AB0	W786-1 RJ45 USA	SIMATIC NET	42.0
6GK5786-2AA60-1CA0	SCALANCE W786-2HPW	SIMATIC NET	61.0
6GK5786-2AA60-2AA0	SCALANCE W786-2PRO	SIMATIC NET	61.0
6GK5786-2AA60-2AB0	SCALANCE W786-2PRO US	SIMATIC NET	61.0

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK5786-2AB60-1CA0	SCALANCE W786-2HPW	SIMATIC NET	61.0
6GK5786-2AB60-2AA0	SCALANCE W786-2PRO	SIMATIC NET	61.0
6GK5786-2AB60-2AB0	SCALANCE W786-2PRO US	SIMATIC NET	61.0
6GK5786-2BA60-1CA0	SCALANCE W786-2HPW	SIMATIC NET	61.0
6GK5786-2BA60-2AA0	SCALANCE W786-2PRO	SIMATIC NET	61.0
6GK5786-2BA60-2AB0	SCALANCE W786-2PRO US	SIMATIC NET	61.0
6GK5786-2BB60-1CA0	SCALANCE W786-2HPW	SIMATIC NET	61.0
6GK5786-2BB60-2AA0	SCALANCE W786-2PRO	SIMATIC NET	61.0
6GK5786-2BB60-2AB0	SCALANCE W786-2PRO US	SIMATIC NET	61.0
6GK5786-2FC00-0AA0	SCALANCE W786-2 RJ45	SIMATIC NET	42.0
6GK5786-2FC00-0AA0	SCALANCE W786-2 RJ45 RoW	SIMATIC NET	42.0
6GK5786-2FC00-0AB0	W786-2 RJ45 USA	SIMATIC NET	63.1
6GK5786-2FC00-1AA0	SCALANCE W786C-2 RJ45	SIMATIC NET	38.8
6GK5786-2FC00-1CA0	SCALANCE WS-AP3765e	SIMATIC NET	36.1
6GK5786-2FE00-0AB0	SCALANCE W786-2 SFP (USA)	SIMATIC NET	38.7
6GK5786-2FE00-1CA0	SCALANCE WS-AP3767e (SFP)	SIMATIC NET	38.8
6GK5786-2HC00-0AA0	SCALANCE W786-2IA RJ45 internal Antenna	SIMATIC NET	38.8
6GK5786-2HC00-0AB0	W786-2AI RJ45 USA	SIMATIC NET	38.8
6GK5786-2HC00-1AA0	SCALANCE W786C-2IA RJ45	SIMATIC NET	38.8
6GK5786-2HC00-1CA0	WS AP3765i	SIMATIC NET	36.1
6GK5786-2xx60-6Ax0	SCALANCE W786-2RR	SIMATIC NET	61.0
6GK5786-3AA60-2AB0	SCALANCE W786-3PRO US	SIMATIC NET	61.0
6GK5786-3AB60-2AB0	SCALANCE W786-3PRO US	SIMATIC NET	61.0
6GK5788-1AA60-2AA0	SCALANCE W788-1PRO	SIMATIC NET	67.0
6GK5788-1AA60-2AB0	SCALANCE W788-1PRO US	SIMATIC NET	67.0
6GK5788-1AA60-6AA0	SCALANCE W788-1RR	SIMATIC NET	67.0
6GK5788-1AA60-6AB0	SCALANCE W788-1RR US	SIMATIC NET	67.0
6GK5788-1FC00-0AA0	SCALANCE W788-1 RJ45	SIMATIC NET	41.5
6GK5788-1GD00-0AA0	SCALANCE W788-1 M12	SIMATIC NET	42.1
6GK5788-1GD00-0AB0	SCALANCE W788-1 M12 USA	SIMATIC NET	42.1
6GK5788-1ST00-2AA6	SCALANCE W788-1PRO	SIMATIC NET	68.1
6GK5788-1ST00-2AB6	SCALANCE W788-1PRO US	SIMATIC NET	68.1
6GK5788-2AA60-2AA0	SCALANCE W788-2PRO	SIMATIC NET	67.0
6GK5788-2AA60-2AB0	SCALANCE W788-2PRO US	SIMATIC NET	67.0
6GK5788-2AA60-6AA0	SCALANCE W788-2RR	SIMATIC NET	67.0
6GK5788-2AA60-6AB0	SCALANCE W788-2RR US	SIMATIC NET	67.0
6GK5788-2FC00-0AA0	SCALANCE W788-2 RJ45	SIMATIC NET	35.8
6GK5788-2FC00-1AA0	SCALANCE W788C-2 RJ45	SIMATIC NET	35.0
6GK5788-2GD00-0AA0	SCALANCE W788-2 M12	SIMATIC NET	42.1
6GK5788-2GD00-0AB0	SCALANCE W788-2 M12 USA	SIMATIC NET	36.2
6GK5788-2GD00-0TA0	SCALANCE W788-2 M12 TS	SIMATIC NET	36.2
6GK5788-2GD00-0TB0	SCALANCE W788-2 M12 EEC USA	SIMATIC NET	36.2
6GK5788-2GD00-1AA0	SCALANCE W788-2 M12 Controllter	SIMATIC NET	36.2
6GK5788-2GD00-1TA0	SCALANCE W788C-2 M12 EEC RoW	SIMATIC NET	36.2
6GK5788-2ST00-2AA6	SCALANCE W788-2PRO	SIMATIC NET	67.6
6GK5788-2ST00-2AB6	SCALANCE W788-2PRO US	SIMATIC NET	67.6
6GK5791-2AC00-0AA0	SCALANCE Powerbrick AC	SIMATIC NET	348.7
6GK5791-2DC00-0AA0	SCALANCE Powerbrick DC	SIMATIC NET	227.4
6GK5874-2AA00-2AA2	SCALANCE M874-2	SIMATIC NET	57.3
6GK5874-3AA00-2AA2	SCALANCE M874-3	SIMATIC NET	56.8
6GK5904-0PA00	key-plug XM400 layer 3	SIMATIC NET	164.0
6GK5907-4PA00	Key Plug W740	SIMATIC NET	164.0

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK5907-8PA00	Key Plug W780	SIMATIC NET	164.0
6GK5991-1AE30-8AA0	SPP991-1ELH200	SIMATIC NET	380.0
6GK5991-2AB00-8AA0	MM991-2	SIMATIC NET	140.0
6GK5991-2AC00-8AA0	MM991-2LD	SIMATIC NET	55.0
6GK5991-2AD00-8AA0	MM991-2(SC)	SIMATIC NET	140.0
6GK5991-2AE00-8AA0	MM991-2LH+(SC)	SIMATIC NET	55.0
6GK5991-2AF00-8AA0	MM991-2LD(SC)	SIMATIC NET	115.0
6GK5991-4AB00-8AA0	SCALANCE MM	SIMATIC NET	92.6
6GK5991-4AC00-8AA0	SCALANCE MM	SIMATIC NET	75.5
6GK5992-2AL00-8AA0	MM992-2	SIMATIC NET	55.0
6GK5992-2AL00-8FA0	MM992-2 SC TS	SIMATIC NET	146.7
6GK5992-2AM00-8AA0	MM992-2LD	SIMATIC NET	55.0
6GK5992-2AN00-8AA0	MM992-2LH	SIMATIC NET	55.0
6GK5992-2AP00-8AA0	MM992-2LH+	SIMATIC NET	55.0
6GK5992-2AQ00-8AA0	MM992-2ELH	SIMATIC NET	55.0
6GK5992-2AS00-8AA0	MM992-2SFP (value without SFP)	SIMATIC NET	250.0
6GK5992-2GA00-8AA0	MM992-2CUC	SIMATIC NET	250.0
6GK5992-2GA00-8FA0	MM992-2CUC (C)	SIMATIC NET	250.0
6GK5992-2HA00-0AA0	MM992-2 M12 Giga	SIMATIC NET	231.0
6GK5992-2SA00-8AA0	MM992-2CU	SIMATIC NET	250.0
6GK5992-2VA00-8AA0	MM992-2VD	SIMATIC NET	250.0
6GK5992-4AL00-8AA0	MM992	SIMATIC NET	87.2
6GK5992-4AM00-8AA0	MM992	SIMATIC NET	76.1
6GK5992-4AS00-8AA0	MM992	SIMATIC NET	174.3
6GK5992-4GA00-8AA0	MM992	SIMATIC NET	205.2
6GK5992-4QA00-8AA0	MM992	SIMATIC NET	75.3
6GK5992-4RA00-8AA0	MM992	SIMATIC NET	75.3
6GK5992-4SA00-8AA0	MM992	SIMATIC NET	205.2
6GK5993-1AT00-8AA0	SCALANCE SFP	SIMATIC NET	1140.0
6GK5993-1AU00-8AA0	SCALANCE SFP	SIMATIC NET	850.0
6GK7177-1FA10-0AA0	LOGO! CSM 230VAC	SIMATIC NET	219.0
6GK7177-1MA10-0AA0	LOGO! CSM 12/24	SIMATIC NET	219.0
6GK7242-7KX30-0XE0	CP 1242-7	SIMATIC NET	117.6
6GK7243-1JX30-0XE0	CP 1243-1DNP3	SIMATIC NET	116.1
6GK7243-2AX01-0XA0	CP 243-2	SIMATIC NET	111.6
6GK7342-2AH01-0XA0	CP 342-2	SIMATIC NET	39.0
6GK7342-5DA00-0XE0	CP 342-5	SIMATIC NET	14.2
6GK7342-5DA01-0XE0	CP 342-5	SIMATIC NET	14.2
6GK7342-5DA02-0XE0	CP 342-5	SIMATIC NET	22.2
6GK7342-5DA03-0XE0	CP 342-5	SIMATIC NET	64.7
6GK7342-5DF00-0XE0	CP 342-5 FO	SIMATIC NET	19.9
6GK7343-1BA00-0XE0	CP 343-1	SIMATIC NET	13.0
6GK7343-1CX00-0XE0	CP343-1 lean	SIMATIC NET	66.4
6GK7343-1CX10-0XE0	CP343-1 lean	SIMATIC NET	106.4
6GK7343-1EX10-0XE0	CP 343-1	SIMATIC NET	41.1
6GK7343-1EX11-0XE0	CP343-1 A2	SIMATIC NET	41.1
6GK7343-1EX20-0XE0	CP 343-1	SIMATIC NET	23.9
6GK7343-1EX21-0XE0	CP 343-1	SIMATIC NET	54.2
6GK7343-1EX30-0XE0	CP 343-1	SIMATIC NET	106.5
6GK7343-1GX00-0XE0	CP 343-1 IT	SIMATIC NET	41.1
6GK7343-1GX11-0XE0	CP 343-1 IT	SIMATIC NET	19.0
6GK7343-1GX20-0XE0	CP 343-1	SIMATIC NET	54.1

Network Module:

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Order Number	Type Description	System	MTBF (year)
6GK7343-1GX30-0XE0	CP 343-1	SIMATIC NET	48.9
6GK7343-1GX31-0XE0	CP 343-1 Adv. V3	SIMATIC NET	44.9
6GK7343-1HX00-0XE0	CP 343-1 PN	SIMATIC NET	18.1
6GK7343-2AH00-0XA0	CP 343-2	SIMATIC NET	39.0
6GK7343-2AH01-0XA0	CP 343-2	SIMATIC NET	118.6
6GK7343-2AH10-0XE0	CP 343-2P	SIMATIC NET	185.1
6GK7343-5FA00-0XE0	CP 343-5	SIMATIC NET	14.2
6GK7343-5FA01-0XE0	CP 343-5	SIMATIC NET	22.2
6GK7442-1RX00-0XE0	CP 442-1 RNA	SIMATIC NET	38.6
6GK7443-1BX00-0XE0	CP 443-1	SIMATIC NET	9.0
6GK7443-1BX01-0XE0	CP 443-1 (ISO)	SIMATIC NET	18.4
6GK7443-1EX01-0XE0	CP 443-1 (TCP)	SIMATIC NET	18.0
6GK7443-1EX10-0XE0	CP 443-1	SIMATIC NET	20.6
6GK7443-1EX11-0XE0	CP 443-1	SIMATIC NET	19.6
6GK7443-1EX20-0XE0	CP 443-1	SIMATIC NET	56.1
6GK7443-1EX30-0XE0	CP 443-1	SIMATIC NET	40.6
6GK7443-1EX30-0XE1	CP 443-1 lack.	SIMATIC NET	48.9
6GK7443-1EX40-0XE0	CP 443-1 V3 advanced	SIMATIC NET	45.6
6GK7443-1EX41-0XE0	CP 443-1 Advanced	SIMATIC NET	54.4
6GK7443-1GX00-0XE0	CP 443-1 (IT)	SIMATIC NET	18.0
6GK7443-1GX11-0XE0	CP 443-1 IT	SIMATIC NET	16.8
6GK7443-1GX20-0XE0	CP443-1advanced	SIMATIC NET	48.2
6GK7443-1GX30-0XE0	CP443-1advanced	SIMATIC NET	48.9
6GK7443-1RX00-0XE0	CP 443-1 RNA	SIMATIC NET	38.6
6GK7443-5DX02-0XE0	CP 445-5 extended	SIMATIC NET	9.1
6GK7443-5DX03-0XE0	CP 443-5 extended	SIMATIC NET	9.1
6GK7443-5DX04-0XE0	CP 443-5 extended	SIMATIC NET	57.9
6GK7443-5DX04-0XE1	CP 443-5 extended	SIMATIC NET	57.9
6GK7443-5DX05-0XE0	CP 443-5 extended	SIMATIC NET	60.2
6GK7443-5DX05-0XE1	CP 443-5 extended	SIMATIC NET	60.2
6GK7443-5FX00-0XE0	CP 443-5	SIMATIC NET	9.5
6GK7443-5FX01-0XE0	CP 443-5 (Basic)	SIMATIC NET	8.9
6GK7443-5FX02-0XE0	CP 443-5	SIMATIC NET	62.1
6GK7542-5DX00-0XE0	CM1542 - Profibus	SIMATIC NET	59.9
6GK7542-5FX00-0XE0	CP1542-5Lean	SIMATIC NET	68.4
6GK7543-1AX00-0XE0	CP1543-1Ethernet	SIMATIC NET	63.6
C9458-L2343-A2	CP1413	SIMATIC NET	3.4
HIR:743970-113	PS ENT10515R AC (calc. 25 deg C)	SIMATIC NET	25.2
HIR:9431241-002	EBGM (calc. 25 deg C)	SIMATIC NET	64.7
HIR:943178-101	KYDE-S UC (calc. 25 deg C)	SIMATIC NET	296.0
HIR:943240-001	MR8-03 (calc. 25 deg C)	SIMATIC NET	102.0
HIR:943242-002	EBAUI (calc. 25 deg C)	SIMATIC NET	38.0
HIR:943243-022	EBMM (calc. 25 deg C)	SIMATIC NET	52.3
HIR:943244-022	EBSM (BFOC) (calc. 25 deg C)	SIMATIC NET	46.2
HIR:943244-122	EBSM-P (BFOC) (calc. 25 deg C)	SIMATIC NET	46.2
HIR:943262-001	ASGE 1-RE AC (calc. 25 deg C)	SIMATIC NET	37.8
HIR:943263-001	ASGE 1-R2E AC (calc. 25 deg C)	SIMATIC NET	37.8
HIR:943263-101	ASGE 1-R2E DC (calc. 25 deg C)	SIMATIC NET	32.0
HIR:943265-101	ASGE 2-2R2E DC (calc. 25 deg C)	SIMATIC NET	32.0
HIR:943265-201	ASGE 2-2R2E AC (calc. 25 deg C)	SIMATIC NET	37.8
HIR:943303-021	Mini-OTDE (BFOC) (calc. 25 deg C)	SIMATIC NET	137.0
HIR:943319-001	ECAUI (calc. 25 deg C)	SIMATIC NET	291.0

Network Module:

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Order Number	Type Description	System	MTBF (year)
HIR:943353-021	ECFL2-BFOC (calc. 25 deg C)	SIMATIC NET	168.4
HIR:943357-021	ECFL4-BFOC (calc. 25 deg C)	SIMATIC NET	112.0
HIR:943394-003	ERISDN (calc. 25 deg C)	SIMATIC NET	16.9
HIR:943425-002	Mike Flash (calc. 25 deg C)	SIMATIC NET	129.7
HIR:943431-001	ECTP3 (calc. 25 deg C)	SIMATIC NET	49.0
HIR:943503-001	Mike Flash + (calc. 25 deg C)	SIMATIC NET	129.7
HIR:943593-001	HSSM2 (calc. 25 deg C)	SIMATIC NET	102.2

Power Supply Module

The following specified values of MTBF are statistic values which serve only for the estimation of maintenance and substitute needs. These values are no guaranteed product attribute.

Order Number	Type Description	System	Temperature	MTBF (year)
6EP1232-1AA00	24 V / 2,5 A	PSA100E/SIYOUNG	40 °C	254.4
6EP1232-1AA10	24 V / 4 A	PSA100E/SIYOUNG	40 °C	202.5
6EP1232-1LA10	24 V / 4 A	SITOP PS207	40 °C	412.0
6EP1233-1AA00	24 V / 6 A	PSA100E/SIYOUNG	40 °C	195.6
6EP1233-1LB00	24 V / 5 A	SITOP lite	40 °C	351.2
6EP1234-1AA00	24 V / 12 A	PSA100E/SIYOUNG	40 °C	186.3
6EP1311-1SH02	5 V / 3 A	LOGO!Power	40 °C	197.5
6EP1311-1SH03	5 V / 3 A	LOGO!Power	40 °C	404.6
6EP1311-1SH12	5 V / 6,3 A	LOGO!Power	40 °C	162.0
6EP1311-1SH13	5 V / 6,3 A	LOGO!Power	40 °C	427.2
6EP1321-1LD00	12 V/3 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1321-1SH03	12 V / 1,9 A	LOGO!Power	40 °C	410.2
6EP1321-5BA00	12 V / 2 A	SITOP compact	40 °C	426.6
6EP1321-5BA00	12 V / 2 A	SITOP compact	60 °C	198.8
6EP1322-1LD00	12 V/8,3 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1322-1SH03	12 V / 4,5 A	LOGO!Power	40 °C	433.9
6EP1322-5BA10	12 V / 6,5 A	SITOP compact	40 °C	325.8
6EP1322-5BA10	12 V / 6,5 A	SITOP compact	60 °C	152.8
6EP1331-1LD00	24 V/2,1 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1331-1SH02	24 V / 1,3 A	LOGO!Power	40 °C	197.5
6EP1331-1SH03	24 V / 1,3 A	LOGO!Power	40 °C	409.5
6EP1331-1SL11	24 V / 2 A	SITOP basic line	40 °C	163.1
6EP1331-2BA10	24 V / 0,5 A	SITOP	40 °C	191.0
6EP1331-5BA00	24 V / 0,6 A	SITOP compact	40 °C	446.4
6EP1331-5BA00	24 V / 0,6 A	SITOP compact	60 °C	202.9
6EP1331-5BA10	24 V / 1,3 A	SITOP compact	40 °C	438.2
6EP1331-5BA10	24 V / 1,3 A	SITOP compact	60 °C	204.1
6EP1332-1LA00	24 V / 2,5 A	SITOP PS207	40 °C	425.1
6EP1332-1LB00	24 V / 2,5 A	SITOP lite	40 °C	359.9
6EP1332-1LD00	24 V/3,1 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1332-1LD10	24 V/4,1 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1332-1SH12	24 V / 2,5 A	SITOP	40 °C	73.6
6EP1332-1SH22	24 V / 4 A	SITOP	40 °C	73.6
6EP1332-1SH31	24 V / 3,5 A	SITOP	40 °C	81.5
6EP1332-1SH42	24 V / 2,5 A	LOGO!Power	40 °C	162.0
6EP1332-1SH43	24 V / 2,5 A	LOGO!Power	40 °C	425.1
6EP1332-1SH51	24 V / 4 A	LOGO!Power	40 °C	257.4
6EP1332-1SH52	24 V / 4 A	LOGO!Power	40 °C	412.0
6EP1332-1SH71	24 V / 2,5 A	LOGO!Power	40 °C	170.4
6EP1332-2BA10	24 V / 2,5 A	SITOP smart	40 °C	246.0
6EP1332-2BA20	24 V / 2,5 A	SITOP smart	40 °C	205.9
6EP1332-5BA00	24 V / 2,5 A	SITOP compact	40 °C	328.9
6EP1332-5BA00	24 V / 2,5 A	SITOP compact	60 °C	149.9

Power Supply Module

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Order Number	Type Description	System	Temperature	MTBF (year)
6EP1332-5BA10	24 V / 4 A	SITOP compact	40 °C	311.3
6EP1332-5BA10	24 V / 4 A	SITOP compact	60 °C	146.5
6EP1332-5BA20	24 V / 3,7 A	SITOP compact	40 °C	317.0
6EP1332-5BA20	24 V / 3,7 A	SITOP compact	60 °C	146.5
6EP1333-1AL11	24 V / 5 A	SITOP	40 °C	142.7
6EP1333-1LD00	24 V/6,2 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1333-1SL11	24 V / 5 A	SITOP basic line	40 °C	103.8
6EP1333-2AA01	24 V / 5 A	SITOP smart	40 °C	194.8
6EP1333-2BA01	24 V / 5 A	SITOP smart	40 °C	193.5
6EP1333-2BA20	24 V / 5 A	SITOP smart	40 °C	228.1
6EP1333-3BA00	24 V / 5 A	SITOP modular	40 °C	101.1
6EP1334-1AL11	24 V / 10 A	SITOP	40 °C	134.3
6EP1334-1LB00	24 V / 10 A	SITOP lite	40 °C	266.4
6EP1334-1LD00	24 V/12,5 A	PSU100D nach IEC 61709	25°C	> 79,9
6EP1334-1SH01	24 V / 10 A	SITOP	40 °C	142.7
6EP1334-1SL12	24 V / 10 A	SITOP basic line	40 °C	71.6
6EP1334-2AA01	24 V / 10 A	SITOP smart	40 °C	166.8
6EP1334-2BA01	24 V / 10 A	SITOP smart	40 °C	164.8
6EP1334-2BA20	24 V / 10 A	SITOP smart	40 °C	184.3
6EP1334-3BA00	24 V / 10 A	SITOP modular	40 °C	103.2
6EP1336-2BA00	24 V / 20 A	SITOP 2. Generation	40 °C	97.2
6EP1336-3BA00	24 V / 20 A	SITOP modular	40 °C	89.7
6EP1336-3BA10	24 V / 20 A	SITOP modular	40 °C	76.1
6EP1337-3BA00	24 V / 40 A	SITOP modular	40 °C	61.7
6EP1351-1SH02	15 V / 1,9 A	LOGO!Power	40 °C	197.5
6EP1351-1SH03	15 V / 1,85 A	LOGO!Power	40 °C	410.2
6EP1352-1SH02	15 V / 4 A	LOGO!Power	40 °C	162.0
6EP1352-1SH03	15 V / 4 A	LOGO!Power	40 °C	433.9
6EP1353-2BA00	3-52 V / 120 W	SITOP	40 °C	136.5
6EP1354-1AL01	30 V / 7 A	SITOP	40 °C	142.7
6EP1434-2BA00	24 V / 10 A	SITOP 2. Generation	40 °C	109.9
6EP1436-2BA00	24 V / 20 A	SITOP 2. Generation	40 °C	109.9
6EP1436-2BA10	24 V / 20 A	SITOP smart	40 °C	65.2
6EP1436-3BA00	24 V / 20 A	SITOP modular	40 °C	81.2
6EP1436-3BA10	24 V / 20 A	SITOP modular	40 °C	75.9
6EP1437-2BA00	24 V / 30 A	SITOP 2. Generation	40 °C	58.8
6EP1437-2BA10	24 V / 40 A	SITOP 2. Generation	40 °C	58.8
6EP1437-3BA00	24 V / 40 A	SITOP modular	40 °C	55.4
6EP1437-3BA10	24 V / 40 A	SITOP modular	40 °C	101.1
6EP1457-3BA00	48 V / 20 A	SITOP modular	60 °C	26.4
6EP1534-1SL01	24 V / 12 A	SITOP basic line	40 °C	61.6
6EP1536-1SL01	24 V / 20 A	SITOP basic line	40 °C	59.4
6EP1536-3AA00	24 V / 20 A	SITOP modular	40 °C	71.0
6EP1621-2BA00	12 V / 2,5A	SITOP	40 °C	64.4

Power Supply Module

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Order Number	Type Description	System	Temperature	MTBF (year)
6EP1632-1AL01	30 V / 2,4 A	SITOP	40 °C	104.9
6EP1731-2BA00	24 V / 0,375 A	SITOP	40 °C	167.4
6EP1732-0AA00	24 V / 2A	SITOP	40 °C	180.4
6EP1931-2DC21	DC-USV 6 A	SITOP DC-USV	40 °C	123.9
6EP1931-2DC31	DC-USV 6 A	SITOP DC-USV	40 °C	110.3
6EP1931-2DC41	DC-USV 6 A	SITOP DC-USV	40 °C	103.2
6EP1931-2EC21	DC-USV 15 A	SITOP DC-USV	40 °C	90.3
6EP1931-2EC31	DC-USV 15 A	SITOP DC-USV	40 °C	82.8
6EP1931-2EC41	DC-USV 15 A	SITOP DC-USV	40 °C	78.8
6EP1931-2FC21	DC-USV 40 A	SITOP DC-USV	40 °C	59.7
6EP1931-2FC41	DC-USV 40 A	SITOP DC-USV	40 °C	56.3
6EP1931-2FC42	DC-USV 40 A	SITOP DC-USV	40 °C	56.3
6EP1933-2EC41	15 A / 2,5 kW	SITOP UPS	40 °C	72.9
6EP1933-2EC51	15 A / 5 kW	SITOP UPS	40 °C	52.4
6EP1935-5PG01	Erweiterungsmodul 5 KWS für UPS500S	SITOP UPS	40 °C	815.4
6EP1961-2BA00	Diagnosemodul	Zusatzmodule	40 °C	43.3
6EP1961-2BA11	Diagnosemodul 3A	Zusatzmodule	40 °C	86.3
6EP1961-2BA21	Diagnosemodul 10A	Zusatzmodule	40 °C	61.8
6EP1961-3BA00	Puffermodul	Zusatzmodule	40 °C	289.7
6EP1961-3BA10	Meldemodul	Zusatzmodule	40 °C	601.6
6EP1961-3BA20	Redundanzmodul	Zusatzmodule	40 °C	1046.1
6EP1961-3BA21	Redundanzmodul	Zusatzmodule	40 °C	738.8
6EP1962-2BA00	Redundanzmodul	Zusatzmodule	40 °C	77.4
6EP1964-2BA00	Redundanzmodul	Zusatzmodule	40 °C	373.6
6EP1967-2AA00	Einschaltstrombegrenzer	Zusatzmodule	40 °C	114.2
6ES7305-1BA80-0AA0	24 V / 2 A outdoor	SITOP PS 307	40 °C	110.1
6ES7307-1BA00-0AA0	24 V / 2 A	SITOP PS 307	40 °C	163.1
6ES7307-1BA01-0AA0	24 V / 2 A	SITOP PS 307	40 °C	264.8
6ES7307-1EA00-0AA0	24 V / 5 A	SITOP PS 307	40 °C	103.8
6ES7307-1EA01-0AA0	24 V / 5 A	SITOP PS 307	40 °C	283.2
6ES7307-1KA01-0AA0	24 V / 10 A	SITOP PS 307	40 °C	71.6
6ES7307-1KA02-0AA0	24 V / 10 A	SITOP PS 307	40 °C	171.7
6EW1380-1AB	24 V / 4 A	SITOP	40 °C	73.6