SIEMENS

SIMATIC

Process Control System
PCS 7 V7.0
Released Modules

11/2006
A5E01006283-01

Safety Guidelines

This manual contains notices you have to observe in order to ensure your personal safety, as well as to prevent damage to property. The notices referring to your personal safety are highlighted in the manual by a safety alert symbol, notices referring to property damage only have no safety alert symbol. The notices shown below are graded according to the degree of danger.



Danger
indicates that death or severe personal injury **will** result if proper precautions are not taken.



Warning
indicates that death or severe personal injury **may** result if proper precautions are not taken.



Caution
with a safety alert symbol indicates that minor personal injury can result if proper precautions are not taken.

Caution
without a safety alert symbol indicates that property damage can result if proper precautions are not taken.

Notice
indicates that an unintended result or situation can occur if the corresponding notice is not taken into account.

If more than one degree of danger is present, the warning notice representing the highest degree of danger will be used. A notice warning of injury to persons with a safety alert symbol may also include a warning relating to property damage.

Qualified Personnel

The device/system may only be set up and used in conjunction with this documentation. Commissioning and operation of a device/system may only be performed by **qualified personnel.** Within the context of the safety notices in this documentation qualified persons are defined as persons who are authorized to commission, ground and label devices, systems and circuits in accordance with established safety practices and standards.

Prescribed Usage

Note the following:



Warning
This device and its components may only be used for the applications described in the catalog or the technical description, and only in connection with devices or components from other manufacturers which have been approved or recommended by Siemens.
Correct, reliable operation of the product requires proper transport, storage, positioning and assembly as well as careful operation and maintenance.

Trademarks

All names identified by ® are registered trademarks of the Siemens AG.
The remaining trademarks in this publication may be trademarks whose use by third parties for their own purposes could violate the rights of the owner.

Disclaimer of Liability

We have reviewed the contents of this publication to ensure consistency with the hardware and software described. Since variance cannot be precluded entirely, we cannot guarantee full consistency. However, the information in this publication is reviewed regularly and any necessary corrections are included in subsequent editions.

Siemens AG
Automation and Drives
Postfach 4848
90437 NÜRNBERG
GERMANY

A5E01006283-01
11/2006

Copyright © Siemens AG 2006
Technical data subject to change

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
ET 200M							
IM							
ET200M-IM 153-1	6ES7 153-1AA02-0XB0		IM 153-1, Bus interface module for S7-300 SMs, FM 350 to FM 352, FM355, CP 341, module replacement during operation	X	X		08/00
ET200M-IM 153-1, extended environmental conditions	6ES7 153-1AA82-0XB0		IM 153-1, Bus interface module for S7-300 SMs, extended environmental conditions	X	X		10/05
ET200M-IM 153-1	6ES7 153-1AA03-0XB0		IM 153-1, Bus interface module for S7-300 SMs, FM 350 to FM 352, FM355, CP 341, module replacement during operation	X	X		
ET200M-IM 153-1, extended environmental conditions	6ES7 153-1AA83-0XB0		IM 153-1, Bus interface module for S7-300 SMs, extended environmental conditions	X	X		11/03
ET200M-IM 153-2	6ES7 153-2AA01-0XB0		IM 153-2, Bus interface module for S7-300 SMs, FMs (except FM356-4), module replacement during operation	X	X		04/00
ET200M-IM 153-2	6ES7 153-2AA02-0XB0		IM 153-2, Bus interface module for S7-300 SMs, FMs (except FM356-4), module replacement during operation	X	X		06/04
ET200M-IM 153-2	6ES7 153-2BA00-0XB0	V3.x	IM 153-2, Bus interface module for S7-300 SMs, FMs (except FM356-4), module replacement during operation, extension of the process control functions.	X	S	X	07/06
ET200M-IM 153-2	6ES7 153-2BA01-0XB0	V4.x	IM 153-2, Bus interface for S7-300 SMs, FMs (without FM356-4), module replacement during operation, extension of the process control functions	X	S	X	
ET200M-IM 153-2	6ES7 153-2BA81-0XB0	V4.x	IM 153-2 Outdoor; Bus interface for S7-300 SMs, FMs (without FM356-4), module replacement during operation, extension of the process control functions	X	S	X	
ET200M-IM 153-2 FO	6ES7 153-2AB01-0XB0		IM 153-2 with FO physics, bus interface module for S7-300 SMs and FMs (without FM356-4), module replacement during operation, extension of the process control functions.	X	X		01/03
ET200M-IM 153-2 FO	6ES7 153-2BB00-0XB0	V3.x	IM 153-2, Bus interface module for S7-300 SMs, FMs (except FM356-4), module replacement during operation, extension of the process control functions.	X	S	X	
ET200M-IM 153-2 FO	6ES7 153-2BB01-0XB0	V4.x	IM 153-2 with FO design, Bus interface for S7-300 SMs, FMs (without FM356-4), module replacement during operation, extension of the process control functions	X	S	X	
Accessories							
Partition	6ES7 195-1KA00-0XA0		Ex-Partition for ET 200M				
Bus Module	6ES7 195-7HA00-0XA0		active bus module for ET200M IM153; PS/IM				
Bus Module	6ES7 195-7HB00-0XA0		active bus module for ET200M IM153; 2x40mm				
Bus Module	6ES7 195-7HC00-0XA0		active bus module for ET200M IM153; 1x80mm				
BM IM/IM	6ES7 195-7HD00-0XA0		Active bus module ET200M IM 153; IM/IM for redundant IM operation				07/04
BM IM/IM	6ES7 195-7HD10-0XA0		Active bus module ET200M IM 153; IM/IM for redundant IM operation				
F Partition bus module	6ES7 195-7HG00-0XA0		F Partition bus module for ET200M				
F Partition bus module	6ES7 195-7KF00-0XA0		F Partition bus module for ET200M				

Refer to the manual "SIMATIC Distributed I/O Device ET 200M"
for the Permitted combinations between interfaces and bus modules and for available functions.

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
Gateway							
PA Couplers							
DP/PA Coupler	6ES7 157-0AC00-0XA0		DP/PA coupler				04/00
DP/PA Coupler	6ES7 157-0AC80-0XA0		DP/PA coupler not Ex, outdoor, 400mA				05/04
DP/PA Coupler	6ES7 157-0AC81-0XA0		DP/PA coupler not Ex, outdoor, 400mA				04/05
DP/PA Coupler	6ES7 157-0AC82-0XA0		DP/PA coupler not Ex, outdoor, 1000mA, 31V				
DP/PA-Koppler	6ES7 157-0AC83-0XA0		DP/PA coupler not Ex, outdoor, redundancy			A	
DP/PA Coupler	6ES7 157-0AD00-0XA0		DP/PA coupler, Ex(i)				07/01
DP/PA Coupler	6ES7 157-0AD80-0XA0		DP/PA coupler, Ex(ib), extended environmental conditions				12/03
DP/PA Coupler Ex	6ES7 157-0AD81-0XA0		DP/PA coupler, extended environmental conditions (ia), FM Approval				05/04
DP/PA Coupler Ex	6ES7 157-0AD82-0XA0		DP/PA coupler, extended environmental conditions (ia), FM Approval, Dust Approval				
BM DP/PA Coupler	6ES7 195-7HF80-0XA0		Bus module for the DP/PA coupler (double width)				
BM DP/PA-Coupler	6ES7 195-7HG80-0XA0		Bus module for redundant DP/PA coupler				
Active Field Distributer	6ES7 157-0AF81-0XA0		SIMATIC DP, ACT. FIELD DISTRIBUTOR AFD FOR PROFIBUS PA RING RED.				
Active Field Splitter	6ES7 157-0AF82-0XA0		SIMATIC DP, ACT. FIELD DISTRIBUTOR AFS FOR PROFIBUS PA COUPLER RED.				
DP Link							
IM157	6ES7 157-0AA80-0XA0		IM157, Interface module for PROFIBUS-PA; extended temperature range -25..60 degrees C	X	X		06/00
IM157	6ES7 157-0AA81-0XA0		IM157-2, Interface module for PROFIBUS PA, extended temperature range -25..60 degrees C	X	X		12/03
IM157	6ES7 157-0AA82-0XA0	V4.x	DP/PA link, DPV1 to DP and PA, module replacement during operation, information function, FW update via bus, extension of the process control functions.	X	S		
IM 153-2 CU	6ES7 153-2BA01-0XB0	V4.x	DP/PA Link, DPV1 on DP and PA, module replacement during operation, information function, FW update via bus, extension of the process control functions	X	S		
IM 153-2 CU Outdoor	6ES7 153-2BA81-0XB0	V4.x	DP/PA Link Outdoor, DPV1 on DP and PA, module replacement during operation, information function, FW update via bus, extension of the process control functions	X	S		
Bus module	6ES7 195-7HE80-0XA0		Bus module for IM157				
BM IM/IM	6ES7 195-7HD10-0XA0		Bus module IM157 / IM 153-2; IM / IM for redundant IM operation;				
BM IM/IM	6ES7 195-7HD80-0XA0		Bus module IM157 / IM 153-2; IM / IM for redundant IM operation; extended temperature range				
Y Coupler							
Y Coupler	6ES7 654-0YK00-0AB0		Y coupler; Y switch for connecting single-channel I/O to the H system, simple switch				
Bus Module	6ES7 654-7HY00-0XA0		Bus module for Y switch				
RS485 Repeater	6ES7 972-0AA01-0XA0		RS485 REPEATER FOR THE CONNECTION OF PROFIBUS/MPI BUS SYSTEMS WITH A MAX. OF 31 NODES. MAX. BAUD RATE 12 MBIT/S PROTECTION TYPE IP20				
Y Coupler	6ES7 197-1LB00-0XA0		Y coupler; Y switch for connecting a single-channel I/O to the H system, simple interface with integr. RS485 REPEATER				

Refer to the manual SIMATIC Bus Coupling DP/PA Link and Y link for the permissible combinations between interfaces, couplers and bus modules, as well as for available functions.

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
ET 200iS							
AI							
2 AI 2 WIRE	6ES7 134-5RB00-0AB0		Analog input module AI 2xI, 2wire-MU (0..20mA / 12 bits+sign, 4..20mA/ 12 bit)	X			
2 AI 4 WIRE	6ES7 134-5RB50-0AB0		Analog input module AI 2xI, 4wire-MU (0..20mA / 12 bits, 4..20mA/ 12bit)	X			
2 AI TC	6ES7 134-5SB00-0AB0		Analog input module AI 2xTC / 15 bits+sign, Standard, Thermo couples: E, N, J, K, L, S, R, B, T,U	X			
2 AI RTD	6ES7 134-5SB50-0AB0		Analog input module AI 2xRTD / 15 bits+sign, Standard, R: 600 ohms; RTD: Pt100, Ni100	X			
2 AI 2 WIRE HART	6ES7 134-5TB00-0AB0		Analog input module AI2x4..20mA, with HART communication for the connection of 2wire MU	X			
2 AI 4 WIRE HART	6ES7 134-5TB50-0AB0		Analog input module AI2x4..20mA, with HART communication for the connection of 4wire MU	X			
AO							
2 AO 0/4-20mA	6ES7 135-5RB00-0AB0		Analog output module AO 2xI (0..20mA / 12 bits+sign, 4..20mA/ 12 bits)	X			
2 AO HART	6ES7 135-5TB00-0AB0		Analog output module AO2x4..20mA, with HART communication	X			
DI							
4 DI NAMUR	6ES7 131-5RD00-0AB0		Digital input module DI 4 x NAMUR	X			
DO							
2 DO	6ES7 132-5SB00-0AB0		Digital output module DO 2xDC25V/25mA	X			
IM							
ET200iS-IM151-2	6ES7 151-2AA00-0AB0		Interface module for ET 200iS electronic modules for intrinsically safe PROFIBUS-DP	X	X		
PS							
PS	6ES7 138-5EA00-0AA0		Power supply for ET 200iS				
TM							
TM-E30S-44iS	6ES7 193-5CB00-0AA0		Terminal module for EMs, 4 rows, screw terminal				
TM-E30C-44iS	6ES7 193-5CB10-0AA0		Terminal module for EMs, 4 row spring clip				
TM-PS-iS	6ES7 193-5DA00-0AA0		Terminal module for PS				
TM-IM-iS	6ES7 193-5DB00-0AA0		Terminal module for IM 151-2				

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
ET 200iSP							
AI							
4 AI I 2WIRE HART	6ES7 134-7TD00-0AB0		Analog input module AI4x4..20mA, with HART communication for the connection of 2wire MU	X	M		
4 AI I 4WIRE HART	6ES7 134-7TD50-0AB0		Analog input module AI4x4..20mA, with HART communication for the connection of 4wire MU	X	M		
4 AI TC	6ES7 134-7SD00-0AB0		Analog input module AI 4xTC	X	M		
4 AI RTD	6ES7 134-7SD50-0AB0		Analogeingabemodul AI 4xRTD	X	M		
AO							
4 AO I HART	6ES7 135-7TD00-0AB0		Analog input module AO4x4..20mA, with HART communication	X	M		
DI							
8 DI NAMUR	6ES7 131-7RF00-0AB0		Digital input module DI 8 x NAMUR	X	M		
DO							
4 DO DC23,1V/20mA	6ES7 132-7RD00-0AB0		Digital output module DO 4xDC23,1V/20mA	X	M		
4 DO DC23,1V/20mA Shutdown "H"	6ES7 132-7RD01-0AB0		Digital output module DO 4xDC23.1V/20mA Shutdown "H"	X	M		
4 DO DC17,4V/27mA	6ES7 132-7RD10-0AB0		Digital output module DO 4xDC17.4V/27mA	X	M		
4 DO DC17,4V/27mA Shutdown "H"	6ES7 132-7RD11-0AB0		Digital output module DO 4xDC17.4V/27mA Shutdown "H"	X	M		
4 DO DC17,4V/40mA	6ES7 132-7RD20-0AB0		Digital output module DO 4xDC17.4V/40mA	X	M		
4 DO DC17,4V/40mA Shutdown "H"	6ES7 132-7RD21-0AB0		Digital output module DO 4xDC17.4V/40mA Shutdown "H"	X	M		
4 DO DC23,1V/20mA Shutdown "L"	6ES7 132-7GD00-0AB0		Digital output module DO 4xDC23.1V/20mA Shutdown "L"	X	M		
4 DO DC17,4V/27mA Shutdown "L"	6ES7 132-7GD10-0AB0		Digital output module DO 4xDC17.4V/27mA Shutdown "L"	X	M		
4 DO DC17,4V/40mA Shutdown "L"	6ES7 132-7GD20-0AB0		Digital output module DO 4xDC17.4V/40mA Shutdown "L"	X	M		
IM							
ET200iSP-IM152-1	6ES7 152-1AA00-0AB0		Interface module for ET 200iSP electronic modules for intrinsically safe PROFIBUS-DP	X	S		
ET200iSP-IM152-1	6ES7 152-1AA00-0AB0		Inferface module für ET 200iSP V2.0 Elektronic module for intrinsically safe PROFIBUS DP can be used in an H-System as standby	X	S		
PS							
PS	6ES7 138-7EA00-0AA0		Power supply for ET 200iSP				
PS	6ES7 138-7EA01-0AA0		Power supply for ET 200iSP				
EM							
EM Reservemodul	6ES7 138-7AA00-0AA0		Standby module for unused slots				
Watchdog							
Watchdogbaugruppe	6ES7 138-7BB00-0AB0		Special module for station monitoring	X	M		
TM							
TM-EM/EM 60 S	6ES7 193-7CA00-0AA0		Terminal module for 2 EMs, screw terminal				
TM-EM/EM 60 C	6ES7 193-7CA10-0AA0		Terminal module for 2 EMs, row spring clip				
TM-IM/EM 60 S	6ES7 193-7AA00-0AA0		Terminal module for IM/EM, screw terminal				
TM-IM/EM 60 C	6ES7 193-7AA10-0AA0		Terminal module for IM/EM row spring clip				
TM-IM/IM	6ES7 193-7AB00-0AA0		Terminal module for redundant IM				
TM-PS-A	6ES7 193-7DA00-0AA0		Terminal module for power supply				
TM-PS-B	6ES7 193-7DB00-0AA0		Terminal module for power supply redundant				
TM-PS-A	6ES7 193-7DA10-0AA0		Terminal module for power supply				
TM-PS-B	6ES7 193-7DB10-0AA0		Terminal module for power supply redundant				

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online";
M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
ET 200S							
AI							
2 AI U	6ES7 134-4FB00-0AB0		Analog input module AI 2xU (+/-5V, 1..5V, +/-10V) / 13 bits, standard	X			07/05
2 AI U	6ES7 134-4FB01-0AB0	1)	Analog input module AI 2xU (+/-5V, 1..5V, +/-10V) / 13 bits, standard	X			
2 AI I 2DMU	6ES7 134-4GB00-0AB0		Analog input module AI 2xI, 2-wire MU (4..20mA) / 13 bits, standard	X			04/05
2 AI I 2DMU	6ES7 134-4GB01-0AB0	1)	Analog input module AI 2xI, 2-wire MU (4..20mA) / 13 bits, standard	X			
2 AI I 4DMU	6ES7 134-4GB10-0AB0		Analog input module AI 2xI, 4-wire MU (+/-20mA, 4..20mA) / 13 bits, standard	X			05/05
2 AI I 4DMU	6ES7 134-4GB11-0AB0	1)	Analog input module AI 2xI, 4-wire MU (+/-20mA, 4..20mA) / 13 bits, standard	X			
2 AI I TC	6ES7 134-4JB00-0AB0		Analog input module AI 2xTC / 15 bits, standard	X			
2 AI I RTD	6ES7 134-4JB50-0AB0		Analog input module AI 2xRTD / 15 bits, standard	X			
2 AI U	6ES7 134-4LB00-0AB0		Analog input module AI 2xU (1..5 V, +/- 5V, +/- 10V) / 15 bits, high resoulution	X			
2 AI U	6ES7 134-4LB02-0AB0		Analog input module AI 2xU (1..5 V, +/- 5V, +/- 10V) / 15 bits, high resolution	X			
2 AI I	6ES7 134-4MB00-0AB0		Analog input module AI 2xI (+/-20mA, 4..20mA) / 15 bits, high resolution	X			
2 AI I	6ES7 134-4MB02-0AB0		Analog input module AI 2xI (+/-20mA, 4..20mA) / 15 bits, high resolution	X			
2 AI I TC High Feature	6ES7 134-4NB00-0AB0		2 AI I TC High Feature; analog input module AI 2xTC / 15 bits, high feature	X			09/05
2 AI I TC High Feature	6ES7 134-4NB01-0AB0		2 AI I TC High Feature; Analog input module AI 2xTC / 15 bits, high feature	X			
2 AI I RTD High Feature	6ES7 134-4NB50-0AB0		2 AI I RTD High Feature; analog input module AI 2xRTD / 15 bits, high feature	X			11/05
2 AI I RTD High Feature	6ES7 134-4NB51-0AB0		2 AI I RTD High Feature; Analog input module AI 2xRTD / 15 bits, high feature	X			
AO							
2 AO U	6ES7 135-4FB00-0AB0		Analog output module AO 2xU (1..5V / 12 Bit, +/-10V / 13 bits), standard	X			05/05
2 AO U	6ES7 135-4FB01-0AB0	1)	Analog output module AO 2xU (1..5V / 12 Bit, +/-10V / 13 bits), standard	X			
2 AO I	6ES7 135-4GB00-0AB0		Analog output module AO 2xI (+/-20mA, 4..20mA) / 13 bits, standard	X			05/05
2 AO I	6ES7 135-4GB01-0AB0	1)	Analog output module AO 2xI (+/-20mA, 4..20mA) / 13 bits, standard	X			
2 AO U	6ES7 135-4LB00-0AB0		Analog output module AO 2xU (1..5V, +/-10V) / 15 bits, high resolution	X			08/03
2 AO U	6ES7 135-4LB01-0AB0		Analog output module AO 2xU (1..5V, +/-10V) / 15 bits, high resolution, supports clocking.	X			
2 AO U	6ES7 135-4LB02-0AB0		Analog output module AO 2xU (1..5V, +/-10V) / 15 bits, high resolution, supports clocking.	X			
2 AO I	6ES7 135-4MB00-0AB0		Analog output module AO 2xI (+/-20mA, 4..20mA) / 15 bits, high resolution	X			08/03
2 AO I	6ES7 135-4MB01-0AB0		Analog output module AO 2xI (+/-20mA, 4..20mA) / 15 bits, high resolution, supports clocking.	X			
2 AO I	6ES7 135-4MB02-0AB0		Analog output module AO 2xI (+/-20mA, 4..20mA) / 15 bits, high resolution, supports clocking.	X			

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			DI				
2 DI DC24V	6ES7 131-4BB00-0AA0		2 DI DC24V; digital input module DI 2xDC24V, standard	X			04/05
2 DI DC24V	6ES7 131-4BB01-0AA0		2 DI DC24V; digital input module DI 2xDC24V, standard	X			
4 DI DC24V	6ES7 131-4BD00-0AA0		4 DI DC24V; digital input module DI 4xDC24V, standard	X			04/05
4 DI DC24V	6ES7 131-4BD01-0AA0		4 DI DC24V; digital input module DI 4xDC24V, standard	X			
2 DI DC24V High Feature	6ES7 131-4BB00-0AB0		Digital input module DI 2xDC24V, High Feature; with diagnostics	X			06/05
2 DI DC24V High Feature	6ES7 131-4BB01-0AB0		Digital input module DI 2xDC24V, High Feature; with diagnostics	X			
4 DI DC24V High Feature	6ES7 131-4BD00-0AB0		Digital input module DI 4xDC24V, High Feature; with diagnostics	X			05/05
4 DI DC24V High Feature	6ES7 131-4BD01-0AB0		Digital input module DI 4xDC24V, High Feature; with diagnostics	X			
4DI	6ES7 131-4CD00-0AB0		4DI; digital input module DI 4xUC 24...48V, High Feature; with diagnostics	X			
2 DI AC 120V	6ES7 131-4EB00-0AB0		2 DI AC 120V; digital input module DI 2xAC120V	X			
2 DI AC 230V	6ES7 131-4FB00-0AB0		2 DI AC 230V; digital input module DI 2xAC230V	X			
4 DI NAMUR	6ES7 131-4RD00-0AB0		4 DI NAMUR; with diagnostics	X			
8 DI DC 24V	6ES7 138-4FA00-0AB0		8 DI DC 24V; digital input module DI 4/8xDC24V, 8 DI safety-oriented SIL-2 or 4 DI safety-oriented SIL-3, with diagnostics	X			06/04
8 DI DC 24V	6ES7 138-4FA01-0AB0		8 DI DC 24V; digital input module DI 4/8xDC24V, 8 DI safety-oriented SIL-2 or 4 DI safety-oriented SIL-3, with diagnostics	X			10/05
8 DI DC 24V	6ES7 138-4FA02-0AB0		8 DI DC 24V; digital input module DI 4/8xDC24V, 8 DI safety-related SIL-2 or 4 DI safety-related SIL-3, with diagnostics	X			
			DO				
2 DO DC24V/0.5A	6ES7 132-4BB00-0AA0		2 DO DC24V/0.5A; digital output module DO 2xDC24V/0.5A, standard	X			04/05
2 DO DC24V/0.5A	6ES7 132-4BB01-0AA0		2 DO DC24V/0.5A; digital output module DO 2xDC24V/0.5A, standard	X			
2 DO DC24V/2A	6ES7 132-4BB30-0AA0		2 DO DC24V/2A; digital output module DO 2xDC24V/2A, standard	X			04/05
2 DO DC24V/2A	6ES7 132-4BB31-0AA0		2 DO DC24V/2A; digital output module DO 2xDC24V/2A, standard	X			
2 DO DC24V/0.5A High Feature	6ES7 132-4BB00-0AB0		Digital output module DO 2xDC24V/0.5A, High Feature, with diagnostics	X			09/05
2 DO DC24V/0.5A High Feature	6ES7 132-4BB01-0AB0		Digital output module DO 2xDC24V/0.5A, High Feature, with diagnostics	X			
2 DO DC24V/2A High Feature	6ES7 132-4BB30-0AB0		Digital output module DO 2xDC24V/2A, High Feature, with diagnostics	X			07/05
2 DO DC24V/2A High Feature	6ES7 132-4BB31-0AB0		Digital output module DO 2xDC24V/2A, High Feature, with diagnostics	X			
4 DO DC24V/0.5A	6ES7 132-4BD00-0AA0		4 DO DC24V/0.5A; digital output module DO 4xDC24V/0.5A, standard	X			05/05
4 DO DC24V/0.5A	6ES7 132-4BD01-0AA0		4 DO DC24V/0.5A; digital output module DO 4xDC24V/0.5A, standard	X			
4 DO DC24V/2A	6ES7 132-4BD30-0AA0		4 DO DC24V/2A; digital output module DO 4xDC24V/2A, standard	X			04/05
4 DO DC24V/2A	6ES7 132-4BD31-0AA0		4 DO DC24V/2A; digital output module DO 4xDC24V/2A, standard	X			
2 DO AC 120/230V/ 1A	6ES7 132-4FB00-0AB0		2 DO AC 120/230V/ 1A; digital output module DO 2xAC120/230 V, 1 A	X			
2 DO Rel. 24..230V/5A	6ES7 132-4HB00-0AB0		2 DO Rel. 24..230V/5A; digital output module 2xRel. UC 24..230V/5A	X			04/05
2 DO Rel. 24..230V/5A	6ES7 132-4HB01-0AB0		2 DO Rel. 24..230V/5A; digital output module 2xRel. UC 24..230V/5A	X			
2 DO Rel. 24..230V/5A	6ES7 132-4HB10-0AB0		2 DO Rel. 24..230V/5A; digital output module 2xRel. Form C UC 24..230V/5A	X			
4 DO DC 24V/2A	6ES7 138-4FB00-0AB0		4 DO DC 24V/2A; digital output module DO 4xDC24V/2A, safety-oriented up to SIL-3, with diagnostics, PM potential	X			06/04
4 DO DC 24V/2A	6ES7 138-4FB01-0AB0		4 DO DC 24V/2A; digital output module DO 4xDC24V/2A, safety-oriented up to SIL-3, with diagnostics, PM potential	X			10/05
4 DO DC 24V/2A	6ES7 138-4FB02-0AB0		4 DO DC 24V/2A; digital output module DO 4xDC24V/2A, safety-related up to SIL-3, with diagnostics, PM switching	X			

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			IM				
IM151-1	6ES7 151-1BA00-0AB0		Interface module IM151-1 for ET 200S, High Feature	X	X		10/05
IM151-1	6ES7 151-1BA01-0AB0		Interface module IM151-1 for ET 200S, high feature	X	X		
			PM				
PM-E DC24V	6ES7 138-4CA00-0AA0		Power module PM-E, DC24V, with diagnostics	X			04/05
PM-E DC24V	6ES7 138-4CA01-0AA0		Power module PM-E, DC24V, with diagnostics	X			
PM-E DC24V/ AC120/230V	6ES7 138-4CB10-0AB0		PM-E DC24V/ AC120/230V; power module PM-E DC 24V, AC 120V, AC 230V, with diagnostics and fuse	X			
PM-E DC24V	6ES7 138-4CF00-0AB0		Power module PM-E, DC24V, safety oriented with 2 DO 24V PM potential with diagnostics	X			06/04
PM-E DC24V	6ES7 138-4CF01-0AB0		Power module PM-E, DC24V, safety oriented with 2 DO 24V PM potential; with diagnostics	X			10/05
PM-E DC24V	6ES7 138-4CF02-0AB0		Power module PM-E, DC24V, safety-related, with 2 DO 24V PM switching; with diagnostics	X			
PM-D DC24V	3RK1 903-0BA00		PM-D DC24V; power module; PM-D; 2xDC24V	X			
PM-D F1 SIGUARD	3RK1 903-1BA00		PM-D F1 SIGUARD; power module; EMERGENCY STOP; monitored start; 2 channels	X			
PM-D F2 SIGUARD	3RK1 903-1BB00		PM-D F2 SIGUARD; power module; protective door; auto start; 2 channel	X			
PM-D F4 SIGUARD	3RK1 903-1BC00		PM-D F4 SIGUARD; power module; expansion to F1/2 for further potential group	X			
PM-D F3 SIGUARD	3RK1 903-1BD00		PM-D F3 SIGUARD; power module; expansion to F1/2 for further potential group; time delay	X			
PM-D F5 SIGUARD	3RK1 903-1BE00		PM-D F5 SIGUARD; power module; expansion to PM D F1 up to PM-D F4, contact replicator	X			
PM-X SIGUARD	3RK1 903-1CB00		PM-X,connection module for infeed contactor; external safety circuits	X			
PM-D F PROFIsafe	3RK1 903-3BA00		Power module PROFIsafe; PM-D F PROFIsafe; for 6 switch groups; safety-oriented	X			
PM-D F PROFIsafe	3RK1 903-3BA01		Power module PROFIsafe; PM-D F PROFIsafe; for 6 switch groups; safety-oriented	X			
F-CM	3RK1 903-3CA00		Contact Multiplier F-CM; extension to PM-D F PROFIsafe; contact multiplier	X			
PM-D F X1	3RK1 903-3DA00		Power/extension module PM-D F X1; overvoltage protector, external emergency OFF signals for feed; for 6 switch groups	X			

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			TM				
TM-E15x26-A1	6ES7 193-4CAx0-0AA0		Terminal module for electronic modules; pass-through AUX rail to neighboring potential group on left; Access to AUX1 potential via terminals				
TM-E15x24-A1	6ES7 193-4CAx0-0AA0		Terminal module for electronic modules; pass-through AUX rail to neighboring potential group on left; Access to AUX1 potential via terminals				
TM-E15x24-01	6ES7 193-4CBx0-0AA0		Terminal module for electronic modules; pass-through AUX rail to neighboring potential group on left; No access to AUX1 potential via terminals				
TM-E15x23-01	6ES7 193-4CBx0-0AA0		Terminal module for electronic modules; pass-through AUX rail to neighboring potential group on left; No access to AUX1 potential via terminals				
TM-E15x24-AT	6ES7 193-4CLx0-0AA0		Terminal module for electronic modules 2 AI TC HF; pass-through AUX rail to neighboring potential group on left; No access to AUX1 potential via terminals				
TM-E30x46-A1	6ES7 193-4CFx0-0AA0		Terminal module for electronic modules; pass-through AUX rail to neighboring potential group on left; Access to AUX1 potential via terminals				
TM-E30x44-01	6ES7 193-4CGx0-0AA0		Terminal module for electronic modules; pass-through AUX rail to neighboring potential group on left; No access to AUX1 potential via terminals				
TM-P15x23-A1	6ES7 193-4CCx0-0AA0		Terminal module for power modules; pass-through AUX rail to neighboring potential group on left; Access to AUX1 potential via terminals				
TM-P15x23-A0	6ES7 193-4CDx0-0AA0		Terminal module for power modules; interrupted AUX rail to neighboring potential group on left; Access to AUX1 potential via terminals				
TM-P15x22-01	6ES7 193-4CEx0-0AA0		Terminal module for power modules; pass-through AUX rail to neighboring potential group on left; No access to AUX1 potential via terminals				
TM-P30x44-A0	6ES7 193-4CKx0-0AA0		Terminal module for fail-safe power modules PM-E F; interrupted AUX rail to neighboring potential group on left; Access to AUX1 potential via terminals				
TM-P15S27-01	3RK1 903-0AA00		Terminal module for power module PM-D with protective cover				
TM-PF30S47-B1	3RK1 903-1AA00		Terminal module SIGUARD PM-D F 1,2 for potential group, infeed U1, U2, sensor connector				
TM-PF30S47-B0	3RK1 903-1AA10		Terminal module SIGUARD PM-D F 1,2 for potential subgroup, sensor connector				
TM-PF30S47-C1	3RK1 903-1AC00		Terminal module SIGUARD PM-D F 3,4 for potential group, infeed U1, U2				
TM-PF30S47-C0	3RK1 903-1AC10		Terminal module SIGUARD PM-D F 3,4 for potential subgroup, infeed U2				
TM-PF30S47-D0	3RK1 903-1AD10		Terminal module SIGUARD PM-D F 5 for contact multiplier				
TM-X15 S27-01	3RK1 903-1AB00		Terminal module for connection module PM-X connector unit for infeed protection				
TM-PF30S47-F1	3RK1 903-3AA00		Terminal module for fail-safe power modules PM-D F; pass-through AUX rail to neighboring potential group on left; No access to AUX1 potential via terminals				
TM-FCM30S47-E0	3RK1 903-3AB10		Terminal module for F-CM; with pass-through for U1				
TM-PFX30S47-G1	3RK1 903-3AE00		Terminal module for PM-D F X1; for potential group; without infeed from left for U1				
TM-PFX30S47-G0	3RK1 903-3AE10		Terminal module for PM-D F X1; for potential group; with infeed from left for U1				

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			Motor Starter				
DS1e-x 0.3 - 3 A High Feature	3RK1 301-0AB10-0AA2		DS1e-x 0.3 - 3 A; direct starter; switch mechanically; electronic UE protector; unfused up to 1.1 KW/400 V; 0.30 A to 3.00 A; options: Brake Control Module, Control Module; High Feature	X			05/04
DS1e-x 0.3 - 3 A High Feature	3RK1 301-0AB10-0AA3		DS1e-x 0.3 - 3 A; direct starter; switch mechanically; electronic UE protector; unfused up to 1.1 KW/400V; 0.30 A to 3.00 A; options: Brake Control Module, Control Module; Switch ES; High Feature	X			
DS1e-x 2.4 - 8 A High Feature	3RK1 301-0BB10-0AA2		DS1e-x 2.4 - 8 A; direct starter; switch mechanically; electronic UE protector; unfused up to 3.0 KW/400 V; 2.40 A to 8,00 A; options: Brake Control Module, Control Module; High Feature	X			05/04
DS1e-x 2.4 - 16 A High Feature	3RK1 301-0CB10-0AA2		DS1e-x 2.4 - 16 A; direct starter; switch mechanically; electronic overload protection; unfused up to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; High Feature	X			
DSS1e-x 0.3 - 3 A High Feature	3RK1 301-0AB20-0AA2		DSS1e-x 0.3 - 3 A; direct starter; switch mechanically; electronic overload protection; unfused up to 1.1 KW/400 V; 0.30 A to 3.00 A; options: Brake Control Module, Control Module; High Feature	X			05/04
DS1e-x 2.4 - 16 A High Feature	3RK1 301-0CB10-0AA3		DS1e-x 2.4 - 16 A; direct starter; switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; Switch ES; High Feature	X			
DSS1e-x 2.4 - 8 A High Feature	3RK1 301-0BB20-0AA2		DSS1e-x 2.4 - 8 A; direct starter; switch mechanically; electronic overload protection; unfused up to 3.0 KW/400 V; 2.40 A to 8,00 A; Option: Brake Control Module, Control Module; High Feature	X			05/04
DSS1e-x 0.3 - 3 A High Feature	3RK1 301-0AB20-0AA3		DSS1e-x 0.3 - 3 A; direct soft starter; switch mechanically; electronic overload protection; unfused up; to 1.1 KW/400 V; 0.30 A to 3.00 A; options: Brake Control Module, Control Module; Switch ES; High Feature	X			
DSS1e-x 2.4 - 16 A High Feature	3RK1 301-0CB20-0AA2		DSS1e-x 2.4 - 16 A; direct starter; switch mechanically; electronic overload protection; unfused up to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; High Feature	X			05/04
RS1e-x (0.3 - 3A) High Feature	3RK1 301-0AB10-1AA2		RS1e-x (0.3 - 3A) High Feature; reversing starter; switch mechanically; electronic UE protector; unfused; to 1.1 KW/400 V; 0.30 A to 3.00 A; options: Brake Control Module, Controle Module; High Feature	X			
RS1e-x (2.4 - 8A) High Feature	3RK1 301-0BB10-1AA2		RS1e-x (2.4 - 8A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 3.0 KW/400 V; 2.40 A to 8.00 A; options: Brake Control Module, Control Module; High Feature	X			05/04
DSS1e-x 2.4 - 16 A High Feature	3RK1 301-0CB20-0AA3		DSS1e-x 2.4 - 16 A; direct soft starter switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; Switch ES; High Feature	X			
RS1e-x (0.3 - 3A) High Feature	3RK1 301-0CB10-1AA2		RS1e-x (2.4 - 16A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; High Feature	X			05/04
RS1e-x (0.3 - 3A) High Feature	3RK1 301-0AB10-1AA3		RS1e-x (0.3 - 3A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 1.1 KW/400 V; 0.30 A to 3.00 A; options: Brake Control Module, Control Module; Switch ES;; High Feature	X			

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online";
M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
RS1e-x (2.4 - 8A) High Feature	3RK1 301-0BB10-1AA2		RS1e-x (2.4 - 8A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 3.0 KW/400 V; 2.40 A to 8.00 A; options: Brake Control Module, Control Module; High Feature	X			05/04
RS1e-x (2.4 - 8A) High Feature	3RK1 301-0BB10-1AA3		RS1e-x (2.4 - 8A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 3.0 KW/400 V; 2.40 A to 8.00 A; options: Brake Control Module, Control Module; Switch ES; High Feature	X			
RS1e-x (2.4 - 16A) High Feature	3RK1 301-0CB10-1AA2		RS1e-x (2.4 - 16A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; High Feature	X			05/04
RS1e-x (2.4 - 16A) High Feature	3RK1 301-0CB10-1AA3		RS1e-x (2.4 - 16A) High Feature; reversing starter; switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; Switch ES; High Feature	X			
F-Motorstarter							
F-DS1e-x 0,3 - 3 A High Feature	3RK1 301-0BB13-0AA2		F-DS1e-x 2.4 - 8 A High Feature; safe direct starter; switch mechanically; electronic overload protection; unfused; to 3.0 KW/400 V; 2.40 A to 8.00 A; options: Brake Control Module, Control Module; High Feature; for PM-D F PROFIsafe	X			
F-DS1e-x 2,4 - 8 A High Feature	3RK1 301-0CB13-0AA2		F-DS1e-x 2.4 - 16 A High Feature; safe direct starter; switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; High Feature; for PM-D F PROFIsafe	X			
F-DS1e-x 2,4 - 16 A High Feature	3RK1 301-0CB13-0AA2		F-DS1e-x 2.4 - 16 A High Feature; safer direct starter; switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Modul, Control Module; High Feature; for PM-D F PROFIsafe	X			
F-RS1e-x 0,3 - 3 A High Feature	3RK1 301-0AB13-1AA2		F-RS1e-x 0.3 - 3 A High Feature; safe reversing starter; switch mechanically; electronic overload protection; unfused; to 1.1 KW/400 V; 0.30 A to 3.00 A; Option: Brake Control Modul, Control Modul; High Feature; for PM-D F PROFIsafe	X			
F-RS1e-x 2,4 - 8 A High Feature	3RK1 301-0BB13-1AA2		F-RS1e-x 2.4 - 8 A High Feature; sicherer reversing starter; switch mechanically; electronic overload protection; unfused, to 3.0 KW/400 V; 2.40 A to 8.00 A; options: Brake Control Module, Control Module; High Feature; for PM-D F PROFIsafe	X			
F-RS1e-x 2,4 - 16 A High Feature	3RK1 301-0CB13-1AA2		F-RS1e-x 2.4 - 16 A High Feature; safe reversing starter;switch mechanically; electronic overload protection; unfused; to 7.5 KW/400 V; 2.40 A to 16 A; options: Brake Control Module, Control Module; High Feature; for PM-D F PROFIsafe	X			

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible; M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
Motor Starter Accessories							
xB3 DC24V/4A	3RK1 903-0CE00		xB3 DC24V/4A; Brake Control Module DC 24V / 4A, DI 2xDC24V Local Control	X			
xB4 DC500V/0.7A	3RK1 903-0CF00		xB4 DC500V/0.7A; Brake Control Module DC 500V / 0.7A, DI 2xDC24V Local Control	X			
TM Motor Starter							
TM-DS65-S32-01 FS L	3RK1 903-0AK00		Terminal module for DS1e-x and DSS1e-x motor starter, with energy bus infeed, with caps				
TM-DS65-S31-01 S	3RK1 903-0AK10		Terminal module for DS1e-x and DSS1e-x motor starter, with energy bus pass-through				
TM-RS130-S32-01 FS L	3RK1 903-0AL00		Terminal module for RS1e-x motor starter, with energy bus infeed, with caps				
TM-RS130-S31-01 S	3RK1 903-0AL10		Terminal module for RS1e-x motor starter, with energy bus pass-through				
TM-FDS65-S32-01 FS L	3RK1 903-0AC00		Terminal module for F-DS1e-x motor starter, with energy bus infeed, with caps				
TM-FDS65-S31-01 S	3RK1 903-0AC10		Terminal module for F-DS1e-x motor starter, with energy bus pass-through				
TM-FRS130-S32-01 FS L	3RK1 903-0AD00		Terminal module for F-RS1e-x motor starter, with energy bus infeed, with caps				
TM-FRS130-S31-01 S	3RK1 903-0AD10		Terminal module for F-RS1e-x motor starter, with energy bus pass-through				
TM-xB215 S24-01	3RK1 903-0AG01		Terminal module for brake control module xB3, xB4				

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
ET 200X							
AI							
ET 200X EM 144 AI 2x U	6ES7 144-1FB31-0XB0		Expansion module AI 2x U (+/-10V), Diagnostics	X			
ET 200X EM 144 AI2x I	6ES7 144-1GB31-0XB0		Expansion module AI 2x I (+/-20mA, 4-20mA, 4-wire measuring transducer), Diagnostics	X			
ET 200X EM 144 AI 2x I	6ES7 144-1GB41-0XB0		Expansion module AI 2x I (4-20mA, 2-wire measuring transducer), Diagnostics	X			
ET 200X EM 144 AI 2x RTD	6ES7 144-1JB31-0XB0		Expansion module AI 2x RTD (Pt100), Diagnostics	X			
AO							
ET 200X EM 145 AO 2x U	6ES7 145-1FB31-0XB0		Expansion module AO 2x U (+/-10V), Diagnostics	X			
ET 200X EM 145 AO 2x I	6ES7 145-1GB31-0XB0		Expansion module AO 2x I (+/-20mA, 4-20mA), Diagnostics	X			
BM_DI							
ET 200X BM 141 DI 8xDC24V	6ES7 141-1BF11-0XB0		ET 200X BM 141 DI 8xDC24V; Basic module ET 200X- DI 8xDC24V, expandable with analog EMs	X	X		05/03
BM_DO							
ET 200X BM 142 DO 4xDC24V/2A	6ES7 142-1BD21-0XB0		ET 200X BM 142 DO 4xDC24V/2A; basic module ET 200X-DO 4xDC24V/2A, expandable with analog EMs	X	X		11/02
DI							
ET 200X EM 141 DI 8xDC24V	6ES7 141-1BF30-0XA0		ET 200X EM 141 DI 8xDC24V; expansion module DI 8xDC24V	X			
ET 200X EM 141 DI 8xDC24V	6ES7 141-1BF40-0XA0		ET 200X EM 141 DI 8xDC24V; expansion module ET 200X DI 8xDC24V	X			
DO							
ET 200X EM 142 DO 4xDC24V/2A	6ES7 142-1BD40-0XB0		ET 200X EM 142 DO 4xDC24V/2A; expansion module DO 4xDC24V/2A, diagnostics	X			
ET 200X EM 142 DO 8xDC24V/1.3A	6ES7 142-1BF30-0XA0		ET 200X EM 142 DO 8xDC24V/1.3A; expansion module ET 200X DO 8xDC24V/1.3A	X			
PM							
ET 200X PM 148	6ES7 148-1CA00-0XB0		SIMATIC DP, power module PM 148 FOR ET 200X 4 DO, DC 24 V/2A with load voltage supply, diagnostics by channels	X			
Valve							
ET 200X EM 148-P; DO 16xP/CPV10	6ES7 148-1EH01-0XA0		ET 200X EM 148-P; DO 16xP/CPV10; Expansion module DO16xP (coupling module for valve island CPV10)	X			
ET 200X EM 148-P; DO 16xP/CPV14	6ES7 148-1EH11-0XA0		ET 200X EM 148-P; DO 16xP/CPV14; Expansion module DO16xP (coupling module for valve island CPV14)	X			
DP/AS-I-Link							
-							
DP/AS-I-Link	6ES7 156-0AA01-0XA0	1)	Coupling module between PROFIBUS-DP and PLC interface, -25...60 degrees C				
DP/AS Interface Link 20E	6GK1 415-2AA01	1)	Coupling module between PROFIBUS DP and PLC interface. Protection type IP 20. Support of ASi-A/B slaves and ASi-7.3/7.4 analog slaves				
Repeater							
Diagnostic Repeater							
Diagnostic Repeater	6ES7 972-0AB00-0XA0		Diagnostic repeater for wire diagnostics on the PROFIBUS DP (RS485), IP20, up to 12 Mbaud IP20, up to 12 Mbaud, DPV0 slave	X	X		02/03
Diagnostic Repeater	6ES7 972-0AB01-0XA0		Diagnostic repeater for wire diagnostics on PROFIBUS-DP (RS485), IP20, up to 12 Mbaud, DPV1 slave	X	X		

1) Can only be automatically associated in PCS 7 via the "Programming instructions for driver blocks V6.0".

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
Network Components							
Ethernet							
IE OLM	6GK1 102-4AA00		SIMATIC NET, OLM F. INDUSTRIAL ETHERNET, OPTICAL LINK MODULE WITH 3 ITP- A. 2 FOC PORT REDUNDANT VOLTAGE SUPPLY AND SIGNALING CONTACT				10/05
IE OSM ITP62	6GK1 105-2AA10		SIMATIC NET, OSM TP62 OPTICAL SWITCH MODULE WITH 2 FOC PORTS 100MBIT/S U. 6 RJ45-PORTS 10/100MBIT/S, REDUNDANT DC24V FEED, SIGNALING CONTACT, INTEGRATED REDUNDANCY MANAGER				
IE OSM TP62	6GK1 105-2AB10		SIMATIC NET, OSM ITP62 OPTICAL SWITCH MODULE with 2 FOC PORTS 100MBIT/S AND 6 ITP PORTS 10/100MBIT/S, REDUNDANT DC24V FEED SIGNALING CONTACT INTEGRATED REDUNDANCY MANAGER				
IE OSM ITP62-LD	6GK1 105-2AC10		SIMATIC NET, OSM ITP62-LD OPTICAL SWITCH MODULE WITH 2 FOC PORTS 100MBIT/S LONG DISTANCE (FOC up to 18 KM) AND 6 ITP PORTS 10/100MBIT/S, REDUNDANT DC24V SUPPLY, SIGNALING CONTACT, INTEGRATED REDUNDANCY MANAGER				
IE OSM ITP53	6GK1 105-2AD10		SIMATIC NET, OSM ITP53 OPTICAL SWITCH MODULE WITH 3 FOC PORTS 100MBIT/S U. 5 ITP PORTS 10/100MBIT/S, REDUNDANT DC24V SUPPLY, SIGNALING CONTACT, INTEGRATED REDUNDANCY MANAGER				
IE ESM ITP80	6GK1 105-3AA10		SIMATIC NET, ESM ITP80 ELECTRICAL SWITCH MODULE WITH 8 ITP-PORTS 10/100MBIT/S, REDUNDANT DC24V SUPPLY, SIGNALING CONTACT, INTEGRATED REDUNDANCY MANAGER				
IE ESM TP80	6GK1 105-3AB10		SIMATIC NET, ESM TP80 ELECTRICAL SWITCH MODULE WITH 8 RJ45 PORTS 10/100MBIT/S, REDUNDANT DC24V SUPPLY, SIGNALING CONTACT, INTEGRATED REDUNDANCY MANAGER				
SCALANCE X414-3E	6GK5 414-3FC00-2AA2		MODULAR IE SWITCH, 2 X 10/100/1000MBIT/S AND 12 X 10/100MBIT/S RJ45 PORTS, 1 X GIGAGBIT AND 2 X 100 MBIT MEDIA MODULE SLOTS, EXTENDED INTERFACE, INTEGRATED REDUNDANCY MANAGER, OFFICE FEATURES (RSTP, VLAN,..) NETWORK MANAGEMENT, C-PLUG IN SCOPE OF DELIVERY				
Medienmodul MM491-2	6GK5 491-2AB00-8AA2		100Base-FX Ethernet media module for SCALENCE X414-3E				
Medienmodul MM492-2	6GK5 492-2AL00-8AA2		1000Base-SX Ethernet media module for SCALENCE X414-3E				
SCALANCE X208	6GK5 208-0BA00-2AA3		Managed Industrial Ethernet Switch with 8 RJ45 Ports 10/100 MBit/s for the set up of the Industrial Ethernet line- star-, or ring structures				
SCALANCE X204-2	6GK5 204-2BB03-2AA3		Managed Industrial Ethernet Switch with 4 RJ45 Ports 10/100 MBit/s and 2 BFOC Ports for the set up of the Industrial Ethernet line- star-, or ring structures				
SCALANCE W788-1PRO	6GK5 788-1ST00-2AA6		SCALANCE W788-1PRO Industrial WLAN ACCESS POINT				
SCALANCE W746-1PRO	6GK5 746-1ST00-2AA6		SCALANCE W746-1 PRO Industrial WLAN CLIENT MODULE				

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
PC							
Controller							
CPU 416-2 PCI	6ES7 616-2QL00-0AB4	V3.4	CPU 416-2 PCI as expansion card for PCs; constant bus cycle time and isochrone mode; routing; Firmware V3.4	X			
CPU 416-2 PCI	6ES7 616-2QL10-0AB4	V4.0	CPU 416-2 PCI as expansion card for PCs; equidistance and clocking; routing; firmware V4.0	X			
CP Ethernet							
CP 1613	6GK1 161-3AA00		SIMATIC NET CP 1613 Industrial Ethernet, ISO, TCP/IP, S7 connections, PG functions, ISA bus				
CP 1613 A2	6GK1 161-3AA01		SIMATIC NET CP 1613 Industrial Ethernet, ISO, TCP/IP, S7 connections, PG functions, ISA bus				
CP 1512	6GK1 151-2AA00		CP 1512; SIMATIC NET CP1512 Industrial Ethernet, ISO, TCP/IP, S7 connections, PG functions, PCMCIA, only for use with PCS7 ES !				
CP 1612	6GK1 161-2AA00		CP 1612; SIMATIC NET CP 1612 Industrial Ethernet, ISO, TCP/IP, S7 connections, PG functions, PCI-Bus				
CP-Profibus							
CP 5611	6GK1 561-1AA00		SIMATIC NET CP 5611 PROFIBUS, PCI bus, only for use with SIMATIC PDM !	X			07/05
CP 5611 A2	6GK1 561-1AA01		SIMATIC NET CP 5611 A2 PROFIBUS, PCI Bus V2.2, only for use with SIMATIC PDM !	X			
CP 5613	6GK1 561-3AA00		SIMATIC NET CP 5613 PROFIBUS, PCI Bus, DP master for DP-V0 /-V1	X			01/06
CP 5613 A2	6GK1 561-3AA01		SIMATIC NET CP 5613 A2 PROFIBUS, PCI Bus V2.2, DP master for DP-V0 /-V1	X			
CP - IWLAN							
CP 7515	6GK1 751-5AA00		SIMATIC NET CP 7515 Industrial WLAN PCMCIA				
PCS 7							
Partner Modules							
	2XV9 450-1AR13		WinGPS for Windows 95/NT, GPS receiver for world-wide time synchronization, incl. mounting kit				
	2XV9 450-1AR14		DCFRS for Windows 95/NT, DCF 77 receiver for time synchronization within Europe, incl. mounting kit				
	2XV9 450-1AR24		SICLOCK TM Time-of-day sender, complete package GPS, 24VDC to 110VDC, for synchronizing the nodes connected via Industrial Ethernet				
	2XV9 450-1AR25		SICLOCK TM Time-of-day sender, complete package GPS, AC/DC90VAC/DC to 240VAC/DC, for synchronizing the nodes connected via Industrial Ethernet				
	2XV9 450-1AR26		SICLOCK TM Time-of-day sender, complete package DCF77, 24VDC to 110VDC, for synchronizing the nodes connected via Industrial Ethernet				
	2XV9 450-1AR27		SICLOCK TM Time-of-day sender, DCF77, 90VAC/DC to 240VAC/DC, for synchronizing the nodes connected via Industrial Ethernet				
	3P7217B00APF01		Laser printer MicroLaser 170, quick laser printer (monochrome), with Centronics interface, opt. network card, and 12 MB RAM				
	3P74C4B00APQ01		Laser printer MicroLaser C4, high-resolution color laser printer, with network capability, with 24 MBytes RAM, with network card GNC:				
	6DS1 916-???		Signal module, PCI card for the insertion in an operator station or engineering station (Hupe)				
	6DS1 916-8AA		Signal module, ISA card for the insertion in an operator station or engineering station (Hupe)				
	6ES7 652-0XX01-1XC0		Chipcard Reader, external chipcard reader, V.24 connection, Power supply PS/2 with 1.8 m cable, operating instructions, software for User Administrator and processing; depending on OS workstation				
	6ES7652-0XX02-1XC0		Smart card reader V2.0, smart card reader in desktop version, USB connection,				
	6ES7 652-0XX02-1XE0		G200 MMS Multi-VGA graphic card "2 Screens"				10/04
	6ES7 652-0XX02-1XE1		G200 MMS Multi-VGA graphic card "4 Screens"				10/04
	6ES7 652-0XX03-1XE0		G450 MMS Multi-VGA graphic card "2 Screens"				
	6ES7 652-0XX03-1XE1		G450 MMS Multi-VGA graphic card "4 Screens"				

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
S7-300							
CP - PtP							
CP341-1A	6ES7 341-1AH01-0AE0		CP341 RS232, com. processor RS232 interface, reloadable drivers	X	M		
CP341-1B	6ES7 341-1BH01-0AE0		CP341 TTY, com. processor TTY interface reloadable drivers	X	M		
CP341-1C	6ES7 341-1CH01-0AE0		CP341 RS422, com. processor, RS422 interface reloadable drivers	X	M		
CP-AS-i							
CP342-2 AS-I	6GK7 342-2AH00-0XA0	1)	SIMATIC NET CP 342-2 for the connection of S7-300 to PLC interface		M		07/00
CP342-2 AS-I	6GK7 342-2AH01-0XA0	1)	SIMATIC NET CP 342-2 for the connection of S7-300 to PLC interface		M		
CP343-2 AS-i	6GK7 343-2AH00-0XA0	1)	Basic module for the connection of an AS interface. Support of AS-i A/B slaves and AS-i 7.3/7.4 analog slaves		M		
FM							
FM350-1 COUNTER	6ES7 350-1AH03-0AE0	V1.0.2	Coutnter group, 1 channel, also for configuration with active bus modules, supports isochrone mode	X	M		
FM350-2 COUNTER	6ES7 350-2AH00-0AE0		Counter group, 8 channels	X	M		
FM355 C PID Control	6ES7 355-0VH10-0AE0		Closed loop-control module 4 channels (continuous) 4AI+8DI+4AO, V2.0	X	M		
FM355 S PID Control	6ES7 355-1VH10-0AE0		Closed loop-control module 4 channels (step and pulse) 4AI+8DI+8DO, V2.0	X	M		
FM355-2 C	6ES7 355-2CH00-0AE0		FM355-2 C; closed loop-control module 4 channels, temperature controller	X	M		
FM355-2 S	6ES7 355-2SH00-0AE0		FM355-2 S; closed loop-control module 4 channels, temperature controller	X	M		
PS							
PS307 2A	6ES7 307-1BA00-0AA0		Load power supply 120/230V+F226AC:24VDC/2A				
PS307 2A	6ES7 305-1BA80-0AA0		Load power supply 120/230VAC:24VDC/2A				
PS307 5A	6ES7 307-1EA00-0AA0		Load power supply 120/230VAC:24VDC/5A				
PS307 5A	6ES7 307-1EA80-0AA0		Load power supply 120/230VAC:24VDC/5A				
PS307 10A	6ES7 307-1KA00-0AA0		Load power supply 120/230VAC:24VDC/10A				04/03
PS307 10A	6ES7 307-1KA01-0AA0		Load power supply 120/230VAC:24VDC/10A				

1) Can only be automatically associated in PCS 7 via the "Programming instructions for driver blocks V6.0".

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			SM - DI				
SM 321 DI 16x24VDC	6ES7 321-1BH01-0AA0		Digital input module DI 16x24VDC, grouping 16	X	M		10/04
SM 321 DI 16x24VDC	6ES7 321-1BH02-0AA0		Digital input module DI 16x24VDC, grouping 16	X	M	M	
SM321 DI 16xDC24V	6ES7 321-1BH10-0AA0		Digital input module DI 16xDC24V, grouping 16, High Speed, supports isochrone mode	X	M		
SM321 DI16x24VDC	6ES7 321-1BH50-0AA0		Digital input module DI 16x24VDC, grouping 16, M-reading	X	M		
SM321 DI 16xDC24V	6ES7 321-1BH81-0AA0		SM321; Digital input module DI 16xDC24V, extended environmental conditions	X	M		10/00
SM 321 DI 16x24VDC	6ES7 321-1BH82-0AA0		SM321; Digital input module DI 16x24VDC, extended environmental conditions	X	M		11/03
SM321 DI32x24VDC	6ES7 321-1BL00-0AA0		Digital input module DI 32x24VDC, grouping 32	X	M	M	
SM321 DI 32xDC24V	6ES7 321-1BL80-0AA0		Digital input module DI 32xDC24V, grouping 32	X	M		11/03
SM321 DI 16xDC48..120V	6ES7 321-1CH20-0AA0		Digital input module DI 16xDC48..120V, grouping 8	X	M		
SM321 DI 16xDC48..120V	6ES7 321-1CH80-0AA0		Digital input module DI 16xDC48..120V, grouping 8, environmental conditions	X	M		11/03
SM321 DI 16xAC120V	6ES7 321-1EH01-0AA0		Digital input module DI 16x120VAC,grouping 4	X	M		09/01
SM321	6ES7 321-1EL00-0AA0		DI 32xAC 120V, 32Pt 120VAC Input - IEC Type II - 8 Pts/Comm	X	M		
SM321 DI8x230VAC	6ES7 321-1FF01-0AA0		Digital input module DI 8x120...230VAC, grouping 2	X	M	M	
SM 321 DI 8xAC120/230V	6ES7 321-1FF10-0AA0		Digital input module DI8xAC ISO grouping 1 SM 321 DI 8xAC120/230V	X	M		
SM 321 DI 8x120/230VAC	6ES7 321-1FF81-0AA0		Digital input module DI 8x120/230VAC, extended environmental conditions	X	M		11/03
SM321 DI16x120V/230VAC	6ES7 321-1FH00-0AA0		SM321 DI16x120/230VAC; Digital input module DI 16xAC120V /230V, grouping 4	X	M		
SM321 DI 16x24VDC, Interrupt	6ES7 321-7BH00-0AB0		Digital input module DI 16xDC24V, with hardware and diagnostic interrupt, grouping 16	X	O	M	
SM321 DI 16xDC24V, Alarm	6ES7 321-7BH01-0AB0		Digital input module DI 16xDC24V, with hardware and diagnostic interrupt, grouping16, supports isochrone mode	X	O	C	
SM 321 DI 16x24VDC, Interrupt	6ES7 321-7BH80-0AB0		Digital input module DI 16x24VDC, with hardware and diagnostic interrupt, grouping 16	X	O		
SM321 DI4xNAMUR, Ex	6ES7 321-7RD00-0AB0		Digital input module DI 4xNamur, with hardware and diagnostic interrupt, grouping 1, [EEx ib]	X	O	M	
SM 321, DI 16xNAMUR	6ES7 321-7TH00-0AB0		Digital input module DI 16xNAMUR,with diagnostics and quality code	X	O	M	

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			SM - DO				
SM322 DO8x24VDC/2A	6ES7 322-1BF01-0AA0		Digital output module DO 8x24VDC/2A, grouping 4	X	M	M	
SM322 DO16x24VDC/0.5A	6ES7 322-1BH01-0AA0		Digital output module DO 16x24VDC/0.5A, grouping 8	X	M		
SM322 DO 16xDC24V/0,5A	6ES7 322-1BH10-0AA0		Digital output module DO 16xDC24V/0.5A, grouping 8, High Speed, supports isochrone mode	X	M		
SM 322 DO 16x24VDC/0.5A	6ES7 322-1BH81-0AA0		Digital output module DO 16x24VDC/0.5A, extended environmental conditions	X	M		11/03
SM322 DO32x24VDC/0.5A	6ES7 322-1BL00-0AA0		Digital output module DO 32x24VDC/0.5A, grouping 8	X	M	M	
SM322 DO 8xDC48..120V/1.5A	6ES7 322-1CF00-0AA0		Digital output module DO 8xDC48..120V/1.5A, grouping 4	X	M		
SM322 DO8x48..120VDC/1.5A	6ES7 322-1CF80-0AA0		Digital output module DO 8x48..120VDC/1.5A, grouping 4 extended environmental conditions	X	M		11/03
SM322 DO16x120VAC/0.5A	6ES7 322-1EH01-0AA0		Digital output module DO 16x120VAC/0.5A, grouping 8	X	M		01/02
SM322 DO 32xAC120V/1A	6ES7 322-1EL00-0AA0		Digital output module 32DO 120V AC/1A, grouping 8	X	M		10/04
SM322 DO8x230VAC/2A	6ES7 322-1FF01-0AA0		Digital output module DO 8x120...230VAC/1A, grouping 4, Si.	X	M	M	
SM 322 DO 8x120/230VAC/1A	6ES7 322-1FF81-0AA0		Digital output module DO 8x120/230VAC/1A, extended environmental conditions	X	M		10/03
SM322 DO16x120V/230VAC/0.5A	6ES7 322-1FH00-0AA0		Digital output module DO 16x120/230VAC/0.5A, grouping 8	X	M		
SM322 DO 32xAC120V/230V/1A	6ES7 322-1FL00-0AA0		Digital output module 32DO 120-230V AC/1A, grouping 8	X	M		
SM322 DO8xRel. 230VAC	6ES7 322-1HF01-0AA0		Digital output module DO 8xREL 24VDC/2A, 230V AC/2A, grouping 2	X	M		
SM 322 DO 8xRel. 230VAC/5A	6ES7 322-1HF10-0AA0		Digital output module DO 8xREL 230VAC, 5A, grouping 1	X	M		
SM322	6ES7 322-1HF20-0AA0		Digital output module DO 8xREL 24VDC/5A, 230VAC/5A, grouping 1, with snubber	X	M		07/02
SM322 DO 8xRel. 230VAC /5A	6ES7 322-1HF80-0AA0		SM 322 DO 8xRel. AC 230V/5A; Digital output module DO 8xREL. 230V AC, 5A, grouping 1, extended environmental conditions	X	M		11/03
SM322 DO16xRel. 120VAC	6ES7 322-1HH00-0AA0		Digital output module DO 16xREL 24VDC/2A, 120V/2A, grouping 16	X	M		07/02
SM322 DO16xRel. 120/230VAC	6ES7 322-1HH01-0AA0		Digital output module DO 16xREL 24VDC/2A, 120V/2A, 230V/?A, grouping 16	X	M		
SM322 DO 8xAC120/230V/2A	6ES7 322-5FF00-0AB0		SM322; Digital output module DO DO8xAC120/230V, incl. value substitution	X	O		
SM322 DO 16xUC24/48V	6ES7 322-5GH00-0AB0		Digital output module DO 16xUC24/48V diagnostic interrupt, grouping 1,	X	M		
SM322 DO 8xRel AC230V	6ES7 322-5HF00-0AB0		Digital output module DO 8xAC230V, x A	X	O		
SM322 DO 4xDC15V/20mA, Ex	6ES7 322-5RD00-0AB0		Digital output module DO 4xDC15V/20mA, diagnostic interrupt grouping 1, [EEx ib]	X	O		
SM322 DO 4x24VDC/10mA, Ex	6ES7 322-5SD00-0AB0		Digital output module DO 4x24VDC/10mA, diagnostic interrupt, grouping 1, [EEx ib]	X	O	M	
SM322 DO8x24VDC/0.5A	6ES7 322-8BF00-0AB0		Digital output module DO 8x24VDC/0.5A, diagnostic interrupt, grouping 8	X	O	M	
SM 322 DO 8x24VDC/0.5A	6ES7 322-8BF80-0AB0		Digital output module DO 8x24VDC/0.5A, with diagnostics, extended environmental conditions	X	O		11/03
SM 322, DO 16x24VDC/0.5A	6ES7 322-8BH00-0AB0		Digital output module, DO 16x24VDC/0.5A, with diagnostics	X	O	M	12/03
SM322 DO 16xDC24V/0,5A	6ES7 322-8BH01-0AB0		Digital output module, DO 16xDC24V/0,5A, with diagnostics	X	O	C	

Properties:
W = Module wizard: X = Supported
C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online";
M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based
T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			SM - DI/DO				
SM323 DI 8/DO 8xDC24V/0,5A	6ES7 323-1BH01-0AA0		SM 323 DI 8/DO 8xDC24V/0.5A; digital input/output module DI 8/DO 8xDC24V/0.5A,	X	M		
SM323 DI 8/DO 8xDC24V/0.5A	6ES7 323-1BH81-0AA0		SM 323 DI 8/DO 8xDC24V/0,5A; digital I/O module. DI 8/DO 8xDC24V/0,5A, outdoor	X	M		11/03
			SM - DI - F				
SM 326, DI 24x24VDC	6ES7 326-1BK00-0AB0		SM 326 F, DI 24x24VDC, safety oriented	X	OS	M	
SM326 DI 24xDC24V	6ES7 326-1BK01-0AB0		SM 326 F, DI 24xDC24V, safety oriented, with diagnostic interrupt	X	OS	M	
SM 326, DI 8xNAMUR, Ex(i)	6ES7 326-1RF00-0AB0		SM 326 F, DI 8xNAMUR, Ex(i), safety oriented	X	OS	M	
			SM - DO - F				
SM 326, DO 10x24VDC/2A	6ES7 326-2BF00-0AB0		SM326 F, DO 10x24VDC/2A, safety oriented	X	OS	M	04/03
SM326 DO 10xDC24V/2A	6ES7 326-2BF01-0AB0		SM 326F, DO 10xDC24V/2A, P switching, safety oriented, with diagnostic interrupt	X	OS	C [1)]	
SM 326F DO 8xDC24V/2A	6ES7 326-2BF40-0AB0		SM 326F, DO 8xDC24V/2A, P-M switching, safety oriented, with diagnostic interrupt	X			

1) = As of firmware 2.0.9 / before only module based

Properties:

W = Module wizard:	X = Supported
C = CiR support:	X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online"; OS = In standard mode only
R = Redundant I/O:	X = Supported A = Redundant connection possible M = Module based; C = Channel based
T = Type discontinued:	at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			SM - AI				
SM 331 AI 8x13 bits	6ES7 331-1KF00-0AB0		Analog input module AI 8x13 bits	X	O		10/03
SM331 AI 8x13Bit	6ES7 331-1KF01-0AB0		Analog input module AI 8x13 bits	X	O		
SM331 AI2x12 bits	6ES7 331-7KB01-0AB0		Analog input module AI 2x12...14 bits	X	O		10/04
SM331 AI2x12 bits	6ES7 331-7KB02-0AB0		Analog input module AI 2x12...14 bits	X	O		
SM 331 AI 2x12 bits	6ES7 331-7KB81-0AB0		Analog input module AI 2x12...14 bits, extended environmental conditions	X	O		05/01
SM331 AI2x12 bits	6ES7 331-7KB82-0AB0		Analog input module AI 2x12...14 bits, Outdoor	X	O		11/03
SM331 AI8x12 bits	6ES7 331-7KF01-0AB0		Analog input module AI 8x12...14 bits	X	O		02/05
SM331 AI8x12 bits	6ES7 331-7KF02-0AB0		Analog input module AI 8x12...14 bits	X	O	M	
SM331 AI8x16 bits	6ES7 331-7NF00-0AB0		Analog input module; AI8x16 bits; 1..5V, +/- 5V, +/- 10V; 0..20mA, 4..20mA, +/- 20 mA	X	O	C	
SM331 AI8x16 bits	6ES7 331-7NF10-0AB0		SM331 AI8x16Bit; Analog input module; AI8x16 bits; 1..5V, +/- 5V, +/- 10V; 0..20mA, 4..20mA, +/- 20 mA	X	O		
SM331 AI8xRTD	6ES7 331-7PF00-0AB0		Analog input module AI8xRTD, 16 bits (internal 24 bits according to the Sigma-Delta process); RTD: Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni1000, Cu10	X	O		04/05
SM331 AI 8xRTD	6ES7 331-7PF01-0AB0		Analog input module. AI8xRTD, 16 bits (internal. 24 bits according to the Sigma-Delta process); RTD: Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni1000, Cu10	X	O		
SM331 AI8xTC	6ES7 331-7PF10-0AB0		Analog input module AI8xTC, 16Bit (internal 24 bits according to the Sigma-Delta process); thermocouples: B, E, J, K, L, N, R, S, T	X	O		07/05
SM331 AI 8xTC	6ES7 331-7PF11-0AB0		Analog input module. AI8xTC, 16Bit (internal 24 bits according to the Sigma-Delta process); thermocouples: B, E, J, K, L, N, R, S, T	X	O		
SM331 AI4x0/4...20mA, Ex	6ES7 331-7RD00-0AB0		Analog input module AI 4x0/4...20mA 15 bits, [EEx ib]	X	O	M	
SM331 AI8xTC/4xRTD, Ex	6ES7 331-7SF00-0AB0		Analog input module AI 8xTC/4xRTD 15 bits, [EEx ib]	X	O		
SM 331 AI2x0/4...20mA HART, EX	6ES7 331-7TB00-0AB0		Analog input module AI2x0/4...20mA, with HART communication, [EEx ib], can only be used in connection with IM153-2	X	O		
SM 331 AI8x0/4...20mA HART	6ES7 331-7TF00-0AB0		Analog input module AI8x0/4...20mA, +/-20mA with HART communication	X	O		
			SM - AO				
SM332 AO2x12 bits	6ES7 332-5HB01-0AB0		Analog output module AO 2x12 bits	X	O		
SM 332 AO 2x12 bits	6ES7 332-5HB81-0AB0		Analog output module AO 2x12...14 bits, extended environmental conditions	X	O		11/03
SM332 AO4x12 bits	6ES7 332-5HD01-0AB0		Analog output module AO 4x11...12 bits	X	O	M	
SM332 AO 8x12Bit	6ES7 332-5HF00-0AB0			X	O	C	
SM332 AO4x0/4...20mA, Ex	6ES7 332-5RD00-0AB0		Analog output module AO 4x0/4...20mA, 15 bits, [EEx ib]	X	O	M	
SM 332, AO2x0/4...20mA HART, EX	6ES7 332-5TB00-0AB0		Analog output module AO2x0/4...20mA, with HART communication, [EEx ib]	X	O		
SM332	6ES7 332-7ND00-0AB0		SM332, Analog output module; 4x16 bits	X	O		10/04
SM332 AO 4x16 bits	6ES7 332-7ND01-0AB0		SM332, Analog output module; 4x16 bits supports isochrone mode	X	O		01/05
SM332 AO 4x16 bits	6ES7 332-7ND02-0AB0		SM332, Analog output module; 4x16 bits supports isochrone mode	X	O		
SM332 AO 8x0/4...20mA HART	6ES7 332-8TF00-0AB0		Analog output module 8x16Bit, 0/4..20mA, with HART communication	X	O		
			SM - AI - F				
SM 336, AI 6x13 bits	6ES7 336-1HE00-0AB0		Analog input module AI 6x13 bits, safety oriented up to SIL-3, with diagnostics	X	OS	M	

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online";
M = Module can be added/removed per CiR; O = Module can be reconfigured "online";
OS = In standard mode only

R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			SM - MTA				
MTA 16 Kanäle DI Standard	6ES7650-1AC10-3XX0		MTA 16 channels DI; 24 V DC for 6ES7321-7BH01-0AB0 (as of E revision 2)			C	
MTA 8 Kanäle AI Standard	6ES7650-1AA50-2XX0		MTA 8 channels AI; 1-5 V / 0/4-20 mA; for 6ES7331-7NF00-0AB0 (as of E revision 5)			C	
MTA 8 Kanäle AO Standard	6ES7650-1AB50-2XX0		MTA 8 channels AO; 4-20 mA; for 6ES7332-5HF00-0AB0 (as of E revision 3)			C	
MTA 8 Kanäle TC Standard	6ES7650-1AF50-2XX0		MTA 8 channels TC; for 6ES7331-7PF10-0AB0 (as of E revision 4) and 6ES7 331-7PF11-0AB0				
MTA 8 Kanäle RTD Standard	6ES7650-1AG50-2XX0		MTA 8 channels RTD; for 6ES7331-7PF00-0AB0 (as of E revision 8) and 6ES7331-7PF01-0AB0				
MTA 24 Kanäle F-DI (fehlersicher)	6ES7650-1AK10-7XX0		MTA 24 channels F-DI; 24 V DC; for 6ES7326-1BK00-0AB0 and 6ES7326-1BK01-0AB0 (as of E revision 1)			M	
MTA 10 Kanäle F-DO (fehlersicher)	6ES7650-1AL10-6XX0		MTA 10 channels F-DO; 24 V DC / 2A; for 6ES7326-2BF01-0AB0 (as of E revision 2)			C	
MTA 10 Kanäle DO (Relais)	6ES7650-1AM30-6XX0		MTA 10 channels relay DO; 110-220 V AC, 5 A; 24 V DC, 5 A; for 6ES7326-2BF01-0AB0 (as of E revision 2)			C	
MTA 6 Kanäle F-AI (fehlersicher)	6ES7650-1AH50-5XX0		MTA 6 channels F-AI; 4-20 mA; for 6ES7336-1HE00-0AB0 (as of E revision 6)			M	

Properties:
R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
S7-400							
CP - Ethernet							
CP 443-1	6GK7 443-1BX00-0XE0		S7 CP for Industrial Ethernet with SEND-RECEIVE interface, S7 communcation				02/03
CP 443-1 ISO	6GK7 443-1BX01-0XE0		S7 CP for Industrial Ethernet with SEND-RECEIVE interface, S7 communcation, routing, module replacement without programming device				02/03
CP 443-1 TCP	6GK7 443-1EX01-0XE0		S7 CP for Industrial Ethernet with TCP/IP, with SEND-RECEIVE interface, S7 communcation, routing, module replacement without programming device				02/03
CP 443-1	6GK7 443-1EX02-0XE0	V5.2	S7 CP for Industrial Ethernet ISO and TCP/IP with SEND-RECEIVE and FETCH-WRITE interface, long data, UDP, TCP, S7 functions, routing, module replacement without programming device				02/03
CP 443-1	6GK7 443-1EX10-0XE0	V1.0	S7 CP for Industrial Ethernet ISO and TCP/IP with SEND-RECEIVE and FETCH-WRITE interface, long data, UDP, TCP, S7 functions, routing, module replacement without programming device, 10/100 Mbit Fast Send/Receive				01/01
CP 443-1	6GK7 443-1EX10-0XE0	V2.x	S7 CP for Industrial Ethernet ISO and TCP/IP with SEND-RECEIVE- and FETCH-WRITE interface, long data, UDP, TCP, S7 functions, routing, module replacement without programming devic, 10/100 Mbit Fast Send/Receive				01/01
CP 443-1	6GK7 443-1EX11-0XE0	V1.1	S7 CP for Industrial Ethernet ISO and TCP/IPwith SEND-RECEIVE and FETCH-WRITE interface, long data, UDP, TCP, S7 functions, routing, module replacement without programming device, 10/100 Mbit				
CP 443-1	6GK7 443-1EX11-0XE0	V2.x*)	S7 CP for Industrial Ethernet ISO and TCP/IP with SEND-RECEIVE- and FETCH-WRITE interface, long data, UDP, TCP, S7 functions, routing, module replacement without programming devic, 10/100 Mbit, NTP, fixed MAC addr.				
CP - Profibus							
CP 443-5 Extended	6GK7 443-5DX01-0XE0		CP for Profibus with Profibus DP, SEND-RECEIVE interface, FMS and S7 communication; Sync/Freeze				10/01
CP 443-5 Extended	6GK7 443-5DX02-0XE0	V3.0	PROFIBUS CP: DP-Master with Sync/Freeze and redundancy, Slave cross traffic, equidistance, SEND-RECEIVE interface, S7 functions, time-of-day, routing				08/01
CP 443-5 Extended	6GK7 443-5DX02-0XE0	V3.1	PROFIBUS CP: FMS protocol, SEND-RECEIVE interface, S7 functions, time-of day, PG routing, module replacement without programming device, Firmware V3.1				08/01
CP 443-5 Extended	6GK7 443-5DX02-0XE0	V3.2	PROFIBUS CP: DP master with Sync/Freeze and redundancy, slave-cross traffic, equidistance, SEND-RECEIVE interface, S7 functions, time-of-day, PG routing, data set routing, Firmware V3.2				08/01
CP 443-5 Extended	6GK7 443-5DX02-0XE0	V3.3	PROFIBUS CP: DP master with Sync/Freeze and redundancy, slave-cross traffic, equidistance, SEND-RECEIVE interface, S7 functions, time-of-day, PG routing, data set routing, Firmware V3.3				08/01
CP 443-5 Extended	6GK7 443-5DX03-0XE0	V4.0	PROFIBUS CP: DP master with Sync/Freeze and redaundancy, direct data exchange, equidistance, SEND-RECEIVE interface, S7 functions, time-of-day synchronization, routing, data set routing, DPV1, Firmware V4.0	X			05/05
CP 443-5 Extended	6GK7 443-5DX03-0XE0	V5.x	PROFIBUS CP: DP master with Sync/Freeze and redaundancy, direct data exchange, equidistance, SEND-RECEIVE interface, S7 functions, time-of-day, synchronization, data set routing, DPV1, CIR, Firmware V5.x	X	X		05/05
CP 443-5 Extended	6GK7 443-5DX04-0XE0	V6.x	PROFIBUS CP: DP master with Sync/Freeze and redaundancy, direct data exchange, equidistance, SEND-RECEIVE interface, S7 functions, time-of-day, synchronization, data set routing, DPV1, CIR, Firmware V6.x	X	X		

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online";
M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
CPU before 04/99 (up to PCS7 V4.02)							
CPU 414-2 DP	6ES7 414-2XJ00-0AB0		S7 CPU; work memory 384kB; 0.1 ms/kA; 8kB DI/O; 32 connections; MPI and PROFIBUS DP connection				04/98
CPU 414-2 DP	6ES7 414-2XJ01-0AB0		S7 CPU; work memory 384kB; 0.1 ms/kA; 8kB DI/O; 32 connections; MPI and PROFIBUS DP connection				03/00
CPU 416-2 DP	6ES7 416-2XK00-0AB0		S7 CPU; work memory 0.8MB; 0.08 ms/kA; 16kB DI/O; 64 connections; MPI and PROFIBUS DP connection				04/98
CPU 416-2 DP	6ES7 416-2XK01-0AB0		S7 CPU; work memory 0.8MB; 0.08 ms/kA; 16kB DI/O; 64 connections; MPI and PROFIBUS DP connection				02/01
CPU 416-2 DP	6ES7 416-2XL00-0AB0		S7 CPU; work memory 1.6MB; 0.08 ms/kA; 16kB DI/O; 64 connections; MPI and PROFIBUS DP connection				05/98
CPU 416-2 DP	6ES7 416-2XL01-0AB0		S7 CPU; work memory 1.6MB; 0.08 ms/kA; 16kB DI/O; 64 connections; MPI and PROFIBUS DP connection				02/01

[1)] The CPUs of this generation are only supported by the driver concept up to PCS7 V4.02.
An upgade of the driver concept as of PCS7 V5.0 is not possible.

Properties:
W = Module wizard: X = Supported
C = CiR support: X = Supported

R = Redundant I/O: X = Supported; A = Redundant connection possible
M = Module based; C = Channel based
T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
CPU as of 04/99 (as of PCS7 V5.0)							
CPU 414-3	6ES7 414-3XJ00-0AB0	V1.1	S7 CPU; work memory 384KB code and 384 KB data; 0.1 ms/kA; 8KB DI/O; 32 connections; 2*DP/MPI and 1 receptacle for IF submodules; equidistance; multicomputing capacity	X			01/05
CPU 414-3	6ES7 414-3XJ00-0AB0	V1.2	S7 CPU; work memory 384KB code and 384 KB data; 0.1 ms/kA; 8KB DI/O; 32 connections; 2*DP/MPI and 1 receptacle for IF submodules; equidistance, cross traffic; multicomputing capacity; routing	X			01/05
CPU 414-3	6ES7 414-3XJ00-0AB0	V3.0	Work memory 384KB code and 384 KB data; 0.1 ms/kA; 8KB DI/O; 32 connections; 2*DP/MPI and 1 receptacle for I submodules; direct data exchange, equidistance; routing; multicomputing capacity, DPV1; Firmware V3.0	X			01/05
CPU 414-3	6ES7 414-3XJ00-0AB0	V3.1*)	Work memory 384KB code and 384 KB data; 0.1 ms/kA; 8KB DI/O; 32 connections 2*DP/MPI and 1 receptacle for I submodules; direct data exchange, equidistance; routing; multicomputing capacity, DPV1; Firmware V3.1	X	X		01/05
CPU 416-2	6ES7 416-2XK02-0AB0	V1.1	S7 CPU; work memory 0.8MB code and 0.8MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI; equidistance; multicomputing capacity	X			01/05
CPU 416-2	6ES7 416-2XK02-0AB0	V1.2	S7 CPU; work memory 0.8MB code and 0.8MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI; equidistance, cross traffic; multicomputing capacity; routing	X			01/05
CPU 416-2	6ES7 416-2XK02-0AB0	V3.0	Work memory 0.8MB code and 0.8MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI; direct data exchange, equidistance; routing; multicomputing capacity, DPV1; Firmware V3.0	X			01/05
CPU 416-2	6ES7 416-2XK02-0AB0	V3.1	Work memory 0.8MB code and 0.8MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI; direct data exchange, equidistance; routing; multicomputing capacity, DPV1; Firmware V3.1	X	X		01/05
CPU 416-3	6ES7 416-3XL00-0AB0	V1.1	S7 CPU; work memory 1.6MB code and 1.6MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 1 receptacle for IF submodules; equidistance; multicomputing capacity	X			01/05
CPU 416-3	6ES7 416-3XL00-0AB0	V1.2	S7 CPU; work memory 1.6MB code and 1.6MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 1 receptacle for IF submodules; equidistance, cross traffic; multicomputing capacity; routing	X			01/05
CPU 416-3	6ES7 416-3XL00-0AB0	V3.0	Work memory 1.6MB code and 1.6MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 1 receptacle for IF submodules; direct data exchange, equidistance; routing; multicomputing capacity, DPV1; Firmware V3.0	X			01/05
CPU 416-3	CPU 416-3	V3.1	Work memory 1.6MB code and 1.6MB data; 0.08 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 1 receptacle for IF submodules; direct data exchange, equidistance; routing; multicomputing capacity, DPV1; Firmware V3.1	X	X		01/05

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Supported XE = Standalone only;

R = Redundant I/O: X = Supported A = Redundant connection possible
M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
CPU 417-4	6ES7 417-4XL00-0AB0	V1.1	S7 CPU; work memory 2MB code and 2 MB data, (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for IF submodules; multicomputing capacity; receive capacity for cross traffic; equidistance; routing; Firmware V1.1	X			01/05
CPU 417-4	6ES7 417-4XL00-0AB0	V1.2.0	S7 CPU; work memory 2MB code and 2 MB data, (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for IF submodules; equidistance/cross traffic; multicomputing capacity; routing	X			01/05
CPU 417-4	6ES7 417-4XL00-0AB0	V3.0	Work memory 2MB code and 2 MB data, (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for IF submodules; multicomputing capacity, receive capacity for direct data exchange, equidistance, routing, DPV1, Firmware V3.0	X			01/05
CPU 417-4	6ES7 417-4XL00-0AB0	V3.1	Work memory 2MB code and 2 MB data, (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for IF submodules; multicomputing capacity, receive capacity for direct data exchange, equidistance, routing, DPV1, Firmware V3.1	X	X		01/05
CPU 414-4H	6ES7 414-4HJ00-0AB0	V2.1.1 V2.1.2	Redundant; F capability, work memory 384kB code and 384 KB data; 0.1 ms/kA; 8kB DI/O; 32 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules	X			01/06
CPU 414-4H	6ES7 414-4HJ00-0AB0	V3.0	Redundant; F capability, work memory 384kB code and 384 KB data; 0.1 ms/kA; 8kB DI/O; 32 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules, direct data exchange, DPV1; Firmware V3.0	X			01/06
CPU 414-4H	6ES7 414-4HJ00-0AB0	V3.1.1	Redundant; F capability, work memory 384kB code and 384 KB data; 0.1 ms/kA; 8kB DI/O; 32 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules, direct data exchange, DPV1; Firmware V3.1	X	X		01/06
CPU 417-4H	6ES7 417-4HL00-0AB0	V2.0 V2.1.x	Redundant, work memory 2MB code and 2MB data; (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for IF submodules, routing, Firmware V2.0	X			09/00
CPU 417-4H	6ES7 417-4HL01-0AB0	V2.1	Redundant, work memory 2MB code and 2MB data; (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules, routing, Firmware V2.1	X			01/06
CPU 417-4H	6ES7 417-4HL01-0AB0	V2.1.1 V2.1.2	Redundant, work memory 2MB code and 2MB data; (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules, routing, Firmware V2.1	X			01/06
CPU 417-4H	6ES7 417-4HL01-0AB0	V3.0	Redundant, F capability, work memory 2MB code and 2MB data; (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules, direct data exchange, routing, DPV1, Firmware V3.0	X			01/06
CPU 417-4H	6ES7 417-4HL01-0AB0	V3.1.1	Redundant, F capability, work memory 2MB code and 2MB data; (expandable up to 20 MB); 0.1 ms/kA; 16KB DI/O; 64 connections; 2*DP/MPI and 2 receptacles for H-Sync submodules, direct data exchange, routing, DPV1, Firmware V3.1	X	X		01/06

Properties:
W = Module wizard: X = Supported
C = CiR support: X = Supported

R = Redundant I/O: X = Supported; A = Redundant connection possible
M = Module based; C = Channel based
T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
CPU as of 08/04 (as of PCS7 V6.1)							
CPU 414-3	6ES7 414-3XJ04-0AB0	V4.0	S7 CPU; work memory 0,7 MB code and 0,7MB data; 0,06 ms/kAW; 8KB DI/O; 32 connections; 1*DP/MPI, 1*DP and 1 receptacle for IF submodules; send and receive capacity for direct data exchange; equidistance, and isochrone processing; routing; multicomputing capacity; Firmware V4.0	X	X		
CPU 416-2	6ES7 416-2XK04-0AB0	V4.0	S7 CPU; work memory 1,4MB code and 1,4MB data; 0,04 ms/kAW; 16KB DI/O; 64 connections; 1*DP/MPI and 1*DP; send and receive capacity for direct data exchange; equidistance, and isochrone processing; routing; multicomputing capacity; Firmware V4.0	X	X		
CPU 416-3	6ES7 416-3XL04-0AB0	V4.0	S7 CPU; work memory 2,8MB code and 2,8 MB data; 0,04 ms/kAW; 16KB DI/O; 64 connections; 1*DP/MPI, 1*DP and 1 receptacle for IF submodules; send and receive capacity for direct data exchange; equidistance, and isochrone processing; routing; multicomputing capacity; Firmware V4.0	X	X		
CPU 417-4	6ES7 417-4XL04-0AB0	V4.0	S7 CPU; work memory 10MB code and 10MB data; 0,03 ms/kAW; 16KB DI/O; 64 connections; 1*DP/MPI, 1*DP and 2 receptacle for IF submodules; send and receive capacity for direct data exchange; equidistance, and isochrone processing; routing; multicomputing capacity; Firmware V4.0	X	X		
CPU 414-4H	6ES7 414-4HJ04-0AB0	V4.0	S7 CPU; Redundant and F capability, work memory 0,7MB Code and 0,7MB data; 0,08 ms/kAW; 8KB DI/O; 32 connections; 1*DP/MPI, 1*DP and 2 receptacles for H-Sync submodules; Firmware V4.0	X	X		
CPU 417-4H	6ES7 417-4HL04-0AB0	V4.0	S7 CPU; Redundant and F capability, work memory 10MB Code and 10MB data; 0,03 ms/kAW; 16KB DI/O; 64 connections; 1*DP/MPI, 1*DP und 2 receptacles for H-Sync submodules; Firmware V4.0	X	X		

Properties:

W = Module wizard: X = Supported
C = CiR support: X = Supported

R = Redundant I/O: X = Supported; A = Redundant connection possible
M = Module based; C = Channel based
T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
CPU as of 12/06 (as of PCS7 V7.0)							
CPU 414-3 DP	6ES7 414-3XM05-0AB0	V5.0	S7 Central Module; working memory 1.4 MB code and 1.4 MB data; 0.06 ms/kAW; 8 KB DI/O; 32 connections; 1*DP/MPI, 1*DP and 1 bay for IF modules; Send and receive capability for direct data communication; equidistance and clocked processing; routing; multicomputing capable; firmware V5.0	X	X		
CPU 414-3 PN/DP	6ES7 414-3EM05-0AB0	V5.0	S7 Central Module; working memory 1.4 MB code and 1.4 MB data; 0.06 ms/kAW; 8 KB DI/O; 32 connections; 1*DP/MPI, 1*PN and 1 bay for IF module; Send and receive capability for direct data communication; equidistant and clocked processing; routing; multicomputing capable; PROFINET IO controller; supports RT; PROFINET interface and 2 ports; PROFINET CBA; PROFINET CBA proxy; firmware V5.0	X	X		
CPU 416-2 DP	6ES7 416-2XN05-0AB0	V5.0	S7 Central Module; working memory 2.8 MB code and 2.8 MB data; 0.04 ms/kAW; 16 KB DI/O; 64 connections; 1*DP/MPI and 1*DP; Send and receive capability for direct data communication; equidistant and clocked processing; routing; multicomputing capable; firmware V5.0	X	X		
CPU 416-3 DP	6ES7 416-3XR05-0AB0	V5.0	S7 Central Module; working memory 5.6 MB code and 5.6 MB data; 0.04 ms/kAW; 16 KB DI/O; 64 connections; 1*DP/MPI, 1*DP and 1 bay for IF module; Send and receive capability for direct data communication; equidistant and clocked processing; routing; multicomputing capable; firmware V5.0	X	X		
CPU 416-3 PN/DP	6ES7 416-3ER05-0AB0	V5.0	S7 Central Module; working memory 5.6 MB code and 5.6 MB data; 0.04 ms/kAW; 16 KB DI/O; 64 connections; 1*DP/MPI, 1*PN and 1 bay for IF module; Send and receive capability for direct data communication; equidistant and clocked processing; routing; multicomputing capable; PROFINET IO controller; supports RT; PROFINET interface and 2 ports; PROFINET CBA; PROFINET CBA proxy; firmware V5.0	X	X		
CPU 417-4 DP	6ES7 417-4XT05-0AB0	V5.0	S7 Central Module; working memory 15 MB code and 15 MB data; 0.03 ms/kAW; 16 KB DI/O; 64 connections; 1*DP/MPI, 1*DP and 2 bays for IF modules; Send and receive capability for direct data communication; equidistant and clocked processing; routing; multicomputing capable; firmware V5.0	X	X		

Properties:
W = Module wizard: X = Supported
C = CiR support: X = Supported

R = Redundant I/O: X = Supported; A = Redundant connection possible
M = Module based; C = Channel based
T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			IM				
IM 460-0	6ES7 460-0AA00-0AB0		Send IM, 3m, without voltage transmission, with communication bus				12/01
IM 460-0	6ES7 460-0AA01-0AB0		Send IM for central coupling up to 3m, without 5V voltage transmission, with communication bus				
IM 460-1	6ES7 460-1BA00-0AB0		Send IM, 1.5m, with voltage transmission, without communication bus				12/01
IM 460-1	6ES7 460-1BA01-0AB0		Send IM for central coupling up to 1.5m; with voltage transmission, without communication bus				
IM 460-3	6ES7 460-3AA00-0AB0		Send IM,100m, without voltage transmission, with communication bus				12/01
IM 460-3	6ES7 460-3AA01-0AB0		Send IM,100m, without voltage transmission, with communication bus				
IM 460-4	6ES7 460-4AA01-0AB0		Send IM,600m, without voltage transmission, without communication bus				
IM 461-0	6ES7 461-0AA00-0AA0		Receive IM for central coupling up to 3m, without voltage transmission, with communication bus				12/01
IM 461-0	6ES7 461-0AA01-0AA0		Receive IM for central coupling up to 3m, without voltage transmission, with communication bus				
IM 461-1	6ES7 461-1BA00-0AA0		Receive IM, 1.5m, with 5V voltage transmission, without communication bus				12/01
IM 461-1	6ES7 461-1BA01-0AA0		Receive IM for central coupling up to 1.5m, with voltage transmission, without communication bus				
IM 461-3	6ES7 461-3AA00-0AA0		Receive IM, 100m, without voltage transmission, with communication bus				12/01
IM 461-3	6ES7 461-3AA01-0AA0		Receive IM, 100m, without voltage transmission, with communication bus				
IM 461-4	6ES7 461-4AA01-0AA0		Receive IM, 600m, without voltage transmission, with communication bus				
IM 463-2	6ES7 463-2AA00-0AA0		Send IM, 600m, for the connection of S5-EG with IM314				
			PS				
PS 405 10A	6ES7 405-0KA00-0AA0		Power supply 24VDC/10A				02/01
PS 405 10A	6ES7 405-0KA01-0AA0		PS 405, 24VDC 10A standard PS				03/05
PS 405 10A	6ES7 405-0KA02-0AA0		PS 405, DC 24V 10A, ATEX approval				
PS 405 20A	6ES7 405-0RA01-0AA0		PS 405, 24VDC 20A standard PS				
PS 405 20A	6ES7 405-0RA02-0AA0		PS 405, DC 24V 20A standard PS ATEX approved				
PS 405 10A	6ES7 405-0KR00-0AA0		PS 405, 24VDC 10A redundant PS				
PS 405 10A	6ES7 405-0KR02-0AA0		PS 405, DC 24V 10A redundant PS, ATEX approved				
PS 407 10A	6ES7 407-0KA00-0AA0		Power supply 120/230VAC/10A				03/99
PS 407 10A	6ES7 407-0KA01-0AA0		PS 407, 120/230VAC 10A standard PS				
PS 407 10A	6ES7 407-0KA02-0AA0		PS 407, AC 120V/230V 10A standard PS				
PS 407 20A	6ES7 407-0RA01-0AA0		PS 407, 120/230VAC 20A standard PS				
PS 407 20A	6ES7 407-0RA02-0AA0		PS 407, AC 120V/230V 20A standard PS				
PS 407 10A	6ES7 407-0KR00-0AA0		PS 407, 120/230VAC 10A redundant PS				
PS 407 10A	6ES7 407-0KR02-0AA0		PS 407, AC 120V/230V 10A redundant PS				
			Racks				
UR2	6ES7 400-1JA00-0AA0		Universal rack, 9 slots, not suitable for redundant power supply modules				01/98
UR2	6ES7 400-1JA01-0AA0		UR2; Universal rack, 9 slots				
UR2ALU	6ES7 400-1JA11-0AA0		UR2; Universal aluminium rack, 9 slots				
UR1	6ES7 400-1TA00-0AA0		Universal rack, 18 slots, not suitable for redundant power supply modules				08/98
UR1	6ES7 400-1TA01-0AA0		UR1; Universal rack, 18 slots				
UR2-H	6ES7 400-2JA00-0AA0		Central rack, 18 slots, 2 segments (9+9), preferable for H systems				
UR2ALU-H	6ES7 400-2JA10-0AA0		Central aluminium rack, 18 slots, 2 segments (9+9), preferable for H systems				

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online"; M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible M = Module based; C = Channel based

T = Type discontinued: at specified date

Product Name	MLFB	FW Version	Short Description	Properties W	C	R	T
			SM - DI				
SM421 DI32x24VDC	6ES7 421-1BL00-0AA0		Digital input module; 32 DI, 24VDC, grouping 32	X			10/04
SM421 DI32x24VDC	6ES7 421-1BL01-0AA0		Digital input module; 32 DI, 24VDC, grouping 32	X			
SM421 DI32x120VAC	6ES7 421-1EL00-0AA0		Digital input module; 32 DI, 120VUC, grouping 8	X			
SM421 DI16x120/230VUC	6ES7 421-1FH00-0AA0		Digital input module; 16 DI, 120/230VUC, grouping 4	X			08/02
SM421 DI16x120/230VUC	6ES7 421-1FH20-0AA0		Digital input module; 16 DI, 120/230VUC, grouping 4, input caracteristic curve according to IEC 1131, Type 2	X			
SM421 DI16x24VDC	6ES7 421-7BH00-0AB0		Digital input module; 16 DI, 24VDC, grouping 1, hardware and diagnostic interrupt, substitute values can be assigned as parameters	X			10/04
SM421 DI 16xDC 24V	6ES7 421-7BH01-0AB0		Digital input module; 16 DI, DC 24V, grouping 8, hardware and diagnostic interrupt, substitute values can be assigned as parameters	X			
SM421 DI16x24/60VUC interrupt	6ES7 421-7DH00-0AB0		Digital input module; 16 DI, 24...60VUC, grouping 1, hardware and diagnostic interrupt	X			
SM421 DI16x120VAC	6ES7 421-5EH00-0AA0		Digital input module; 16 DI, 120VAC, grouping 1, input caracteristic curve according to IEC 1131, Type	X			10/04
			SM - DO				
SM422 DO16x24VDC/2A	6ES7 422-1BH10-0AA0		Digital output module; DO 16x24V<dC/2A, grouping 8	X			10/04
SM422 DO16x24VDC/2A	6ES7 422-1BH11-0AA0		Digital output module; DO 16x24V<dC/2A, grouping 8	X			
SM422 DO32x24VDC/0.5A	6ES7 422-1BL00-0AA0		Digital output module; DO 32x24VDC/0,5A, grouping 32	X			
SM422 DO8x 120/230VAC/5A	6ES7 422-1FF00-0AA0		Digital output module; DO 8x120/230VAC/5A, grouping 1	X			10/04
SM422 DO16x120/230VAC/2A	6ES7 422-1FH00-0AA0		Digital output module; DO 16x120/230VAC/2A, grouping 4	X			
SM422 DO16x 230VAC/5A Relais	6ES7 422-1HH00-0AA0		Digital output module; DO 16xrelay, 230VAC/60VDC/5A, grouping 4	X			
SM422 DO32x 24VDC/0.5A	6ES7 422-7BL00-0AB0		Digital output module; 32 DO, 24VDC/0,5A, grouping 8, diagnostics, substitute values can be assigned as parameters	X			
SM422 DO16x 120VAC/2A	6ES7 422-5EH00-0AB0		Digital output module 16DO, 120VAC/2A, diagnostics	X			10/04
SM422 DO16x 20-125VDC/1.5A	6ES7 422-5EH10-0AB0		Digital output module 16DO, 20-125VDC/1.5A, diagnostics, grouping 8	X			10/04
			SM - AI				
SM431 AI16x13 bits	6ES7 431-0HH00-0AB0		Analog input module; AI 16x13 bits, integration time 16.7/20ms	X			
SM431 AI8 x 13 bits	6ES7 431-1KF00-0AB0		Analog input module AI 8x12+1 bits, integration time 16.7/20ms	X			
SM431 AI8 x 14 bits	6ES7 431-1KF10-0AB0		Analog input module AI 8x13+1 bits, integration time 16.7/20ms; linearization (RTD/TC)	X			
SM431 AI8 x 14 bits	6ES7 431-1KF20-0AB0		Analog input module AI 8x13+1 bits, conversion time 10us	X			
SM431 AI16 x 16 bits	6ES7 431-7QH00-0AB0		Analog input module AI 16x15+1 bits, integration time 16.7/20ms; linearization (RTD/TC), diagnostics	X			
SM431 AI8 x 16 bits	6ES7 431-7KF00-0AB0		Analog input module "TC/U" 8 channels, isolated per channel	X			
SM431 AI8 x 16 bits	6ES7 431-7KF10-0AB0		Analog input module "RTD" 16 bits, 8 channels	X			
			SM - AO				
SM432 AO8 x 13 bits	6ES7 432-1HF00-0AB0		Analog output module AO 8x13 bits, conversion time 420us, 0-10V/0-20mA	X			

Properties:

W = Module wizard: X = Supported

C = CiR support: X = Station can be added/removed per CiR; S = Station can be reconfigured "online";
M = Module can be added/removed per CiR; O = Module can be reconfigured "online";

R = Redundant I/O: X = Supported A = Redundant connection possible T = TIA release only
M = Module based; C = Channel based

T = Type discontinued: at specified date