

## **SIMATIC PCS 7 Automation Systems, S7-400 Series**

### **1 Introduction**

#### **1.1 How to use the tables "History of compatible SIMATIC PCS 7 AS Bundles"**

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### **2 History of the compatible SIMATIC PCS 7 AS Bundles**

#### **2.1 Type-specific order number history of the SIMATIC PCS 7 automation systems**

The introduction of configurators for the individual configuration of modular SIMATIC PCS 7 automation systems of the S7-400 series (AS Bundles) has the following effect: any technical change with an AS type will result in the second to last digit of the order number - as read from the left (identifier for the version), to change uniformly with all automation systems in ascending alphabetical order. It follows that a technical change not only has an effect on the order numbers of the directly affected automation systems, but always on the order numbers of all automation systems.

The tables in this section list the currently valid order numbers for each AS type and those of the corresponding predecessor unit.

#### **2.2 Listing of no longer available SIMATIC PCS 7 AS Bundles**

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## 1 Introduction

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### 1.1 How to use the tables "History of compatible SIMATIC PCS 7 AS Bundles"

#### Predecessor order numbers (MLFBs)

The predecessor order numbers are arranged in each block one below the other in chronological form, so that the immediate successors follow directly below one another. The latest PCS 7 AS Bundle of this configuration (current successor) is listed on the right-hand side for all order numbers of a block.

#### Brief description

The brief descriptions describes the important changes with the components of this configuration. This makes it easier to identify the reason for the change of the order number digit "Version". However, a change in the order number is not necessarily due to a component change in this configuration. It can also be due to purely logistical reasons, e.g. due to a component change in another configuration.

#### Current successor

The current successor or the current bundle MLFB is for all previous MLFBs of the left column the bundle MLFB of a block on the right.

#### \* Symbol

The symbol \* in the order number represents a variable digit. The meaning of the variable digits differs, depending on whether the order number is based on the PCS 7 AS Configurator (Scheme A) or was defined before the introduction of the PCS 7 AS Configurator (Scheme B). The meaning of the variable digit is the same within a order number scheme. A change of the order number scheme also means a change in the assignment of the components. The exact meaning of the variable digits resp. the assigned components is described on the following pages.

#### Example:

You are looking for the current order number of the PCS 7 AS Bundle 6ES7654-8CH23-5DB0. Since the order number is already based on the PCS 7 AS Bundle configurator, the variable digits remain unchanged. The current order number is therefore 6ES7654-8CH23-5DF0.

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
AS 416-3	<-- CPU / AS type	
6ES7654 - 5EA31 - 0XX0	<-- first order number of this PCS 7 AS Bundle configuration	
6ES7654 - 5EA32 - 0XX0	<-- first successor order number of this PCS 7 AS Bundle configuration	
6ES7654 - 6K*47 - 0XX0	AS416-3 V4; DC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 6K*48 - 0XX0	AS416-3 V5; DC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **H*1 - 5JB*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - 5JB*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 5JC*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 5JD*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - 5JE*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
	<b>current PCS 7 AS Bundle of this configuration --&gt;</b>	<b>6ES7654-**H*3 - 5JF*</b>
6ES7654 - 2EA31 - 0XX0	<-- additional PCS 7 AS Bundle configuration	
6ES7654 - 2EA32 - 0XX0	AS416-3 V2; AC10A; UR1 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 3K*47 - 0XX0	AS416-3 V4; AC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 3K*48 - 0XX0	AS416-3 V5; AC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **H*1 - 5DB*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - 5DB*	<-- required order number of the example	
6ES7654 - **H*3 - 5DC*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 5DD*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - 5DE*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
	<b>current PCS 7 AS Bundle of this configuration --&gt;</b>	<b>6ES7654-**H*3 - 5DF*</b>







**Redundancy Station MLFB based on the PCS 7 AS Bundle configurator S7-400**

01/2017

**Meaning of variable digits represented by the "\*" symbol:**

CPU, CP443-1 and version: details see tables referenced below

6ES7656- \* \* ? \* ? - \* \* ? \*

- | | | | |
- | | | | |
- | | | | | **add. periphery connection:**
- | | | | | n: n= no add. CP443-5Ext (PROFIBUS) >> 6GK7443-5DX05-0XE0 <<
- | | | | |
- | | | | | **Power supply:**
- | | | | | A: with 2x 120/230V UC 4A >> 6ES7407-0DA02-0AA0 <<
- | | | | | B: with 2x 120/230V UC 10A >> 6ES7407-0KA02-0AA0 <<
- | | | | | C: with 2x 120/230V UC 10A red >> 6ES7407-0KR02-0AA0 <<
- | | | | | D: with 2x 120/230V UC 20A >> 6ES7407-0RA02-0AA0 <<
- | | | | | E: with 2x2 120/230V UC 10A red >> 6ES7407-0KR02-0AA0 <<
- | | | | | F: with 2x 24VDC 4A >> 6ES7405-0DA02-0AA0 <<
- | | | | | G: with 2x 24VDC 10A >> 6ES7405-0KA02-0AA0 <<
- | | | | | H: with 2x 24VDC 10A red >> 6ES7405-0KR02-0AA0 <<
- | | | | | J: with 2x 24VDC 20A >> 6ES7405-0RA02-0AA0 <<
- | | | | | K: with 2x2 24VDC 10A red >> 6ES7405-0KR02-0AA0 <<
- | | | | |
- | | | | | **Rack:**
- | | | | | 1: with 1x UR2-H (2x9 slots) aluminium >> 6ES7400-2JA10-0AA0 <<
- | | | | | 2: with 1x UR2-H (2x9 slots) steel >> 6ES7400-2JA00-0AA0 <<
- | | | | | 3: with 2x UR2 (9 slots) aluminium >> 6ES7400-1JA11-0AA0 <<
- | | | | | 4: with 2x UR2 (9 slots) steel >> 6ES7400-1JA01-0AA0 <<
- | | | | | 7: with 2x CR3 (4 slots) aluminium >> 6ES7401-1DA01-0AA0 <<
- | | | | |
- | | | | | **Sync module:**
- | | | | | 3: with 2x2 10m sync module (IF960) and 2x 1m FO >> 6ES7960-1AA06-0XA0, 6ES7960-1AA04-5AA0 <<
- | | | | | 4: with 2x2 10km sync module (IF960) and 2x 1m FO for testing >> 6ES7960-1AB06-0XA0, 6ES7960-1AA04-5AA0 <<
- | | | | |
- | | | | | **Memory Card:**
- | | | | | A: with 2x 1MB RAM Memory Card >> 6ES7952-1AK00-0AA0 <<
- | | | | | B: with 2x 2MB RAM Memory Card >> 6ES7952-1AL00-0AA0 <<
- | | | | | C: with 2x 4MB RAM Memory Card >> 6ES7952-1AM00-0AA0 <<
- | | | | | D: with 2x 8MB RAM Memory Card >> 6ES7952-1AP00-0AA0 <<
- | | | | | E: with 2x 16MB RAM Memory Card >> 6ES7952-1AS00-0AA0 <<
- | | | | | G: with 2x 64MB RAM Memory Card >> 6ES7952-1AY00-0AA0 <<
- | | | | |
- | | | | | **Way of delivery:**
- | | | | | 8: already assembled and tested
- | | | | | 7: single components

**Example of a redundancy station MLFB based on the PCS 7 AS Bundle configurator S7-400**

CPU type: see tables referenced below (M = AS417-2H)

CP443-1 (ind. Ethernet/PROFIBUS): for details see table AS417-2H

Representation of the version

6ES7656- 8 C M 3 3 - 1 C F 2

- | | | | |
- | | | | | 1: with 2x2 CP443-5Ext (PROFIBUS): details see table AS417-2
- | | | | | C: with 2x 120/230V UC 10A red
- | | | | | 1: with 1x UR2-H (2x9 slots) aluminium
- | | | | | 3: with 2x2 10m sync module (IF960) and 2x 1m FO
- | | | | | C: with 2x 4MB RAM Memory Card
- | | | | | 8: already assembled and tested

**Single station MLFB before implementation of the PCS 7 AS Bundle configurator**

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**Meaning of variable digits represented by the "\*" symbol:****6ES7654- 2 L \* 5 7 - 0 X X 0**

|

Memory Card:

C mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
D mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
E mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
F mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
G mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<

**Redundancy station MLFB before implementation of the PCS 7 AS Bundle configurator****Denotation of variable digits represented by the "\*" symbol:****6ES7654- 2 P \* 6 8 - 0 X C 0**

|

Memory Card:

C mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
D mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
E mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
F mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<
G mit 2x 1 MByte RAM Memory Card	>> 6ES7952-1AK00-0AA0 <<

## 2 History of the compatible SIMATIC PCS 7 AS Bundles

### 2.1.a Type-specific order number history of the SIMATIC PCS 7 automation systems S7-400

The tables below show for each AS type the currently valid order numbers (current successor) and the corresponding predecessor units. Variable digits of an order number are identified with the symbol "\*" and can be identified via the legend, if required. The brief description describes technical differences (where necessary) of the comparable automation systems with consecutive order numbers.

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 417-2H</b>		
6ES7654 - 2TR31 - 0XX0	AS417-4-2H V2; AC10A; UR2-H STEEL; CP443-1BX00 or EX02; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 2TR32 - 0XX0	AS417-4-2H V2; AC10A; UR2-H STEEL; CP443-1EX02; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 2TR33 - 0XX0	AS417-4-2H V2; AC10A R; UR2-H STEEL; CP443-1EX10; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 2TR34 - 0XX0	AS417-4-2H V3; AC10A R; UR2-H STEEL; CP443-1EX10 or EX11; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 2P*67 - 0XC0	AS417-4-2H V4; AC10A R; UR2-H STEEL or ALU; CP443-1EX11; 10m Sync-Modul	
6ES7654 - 2P*68 - 0XC0	AS417-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX11; 10m Sync-Modul	
6ES7656 - **M31 - 1CB*	AS417-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX11; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **M33 - 1CB*	AS417-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **M33 - 1CC*	No change (logistic update)	
6ES7656 - **M33 - 1CD*	AS417-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
6ES7656 - **M33 - 1CE*	AS417-5-2H V6.0; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
	AS417-5-2H V6.0; AC10A R; UR2-H ALU; CP443-1EX30; 10m Sync-Modul; optional CP443-5DX05	6ES7656 - **M33 - 1CF*
6ES7654 - 5TR31 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; CP443-1BX00 or EX02; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 5TR32 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; CP443-1EX02; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 5TR33 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; CP443-1EX10; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 5TR34 - 0XX0	AS417-4-2H V3; DC10A; UR2-H STEEL; CP443-1EX10 or EX11; 10m Sync-Modul; 4 MB RAM	
6ES7654 - 4P*67 - 0XC0	AS417-4-2H V4; DC10A; UR2-H STEEL or ALU; CP443-1EX11; 10m Sync-Modul	
6ES7654 - 4P*68 - 0XC0	AS417-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX11; 10m Sync-Modul	
6ES7656 - **M31 - 1GB*	AS417-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX11; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **M33 - 1GB*	AS417-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **M33 - 1GC*	No change (logistic update)	
6ES7656 - **M33 - 1GD*	AS417-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
6ES7656 - **M33 - 1GE*	AS417-5-2H V6.0; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
	AS417-5-2H V6.0; DC10A; UR2-H ALU; CP443-1EX30; 10m Sync-Modul; optional CP443-5DX05	6ES7656 - **M33 - 1GF*
6ES7656 - **M*0 - **E*	AS417-5-2H V6.0; optional CP443-5DX05	
	No change (logistic update)	6ES7656 - **M*0 - **F*
6ES7656 - **M*1 - **B*	AS417-4-2H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7656 - **M*3 - **B*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7656 - **M*3 - **C*	No change (logistic update)	
6ES7656 - **M*3 - **D*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7656 - **M*3 - **E*	AS417-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS417-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **M*3 - **F*
6ES7656 - **M*2 - **B*	AS417-4-2H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7656 - **M*4 - **B*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7656 - **M*4 - **C*	No change (logistic update)	
6ES7656 - **M*4 - **D*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7656 - **M*4 - **E*	AS417-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS417-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **M*4 - **F*
<b>AS 417FH</b>		
6ES7656 - **N*0 - **E*	AS417-5-2H V6.0; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7656 - **N*0 - **F*
6ES7656 - **N*1 - **B*	AS417-4-2H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7656 - **N*3 - **B*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7656 - **N*3 - **C*	No change (logistic update)	
6ES7656 - **N*3 - **D*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **N*3 - **E*	AS417-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS417-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **N*3 - **F*
6ES7656 - **N*2 - **B*	AS417-4-2H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7656 - **N*4 - **B*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7656 - **N*4 - **C*	No change (logistic update)	
6ES7656 - **N*4 - **D*	AS417-4-2H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **N*4 - **E*	AS417-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **N*4 - **F*	AS417-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	AS417-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **N*4 - **F*



<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 416-2H</b>		
6ES7656 - **P*0 - **E*	AS416-5-2H V6.0; optional CP443-5DX05	
	No change (logistic update)	6ES7656 - **P*0 - **F*
6ES7656 - **P*3 - **E*	AS416-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS416-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **P*3 - **F*
6ES7656 - **P*4 - **E*	AS416-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS416-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **P*4 - **F*
<b>AS 416FH</b>		
6ES7656 - **Q*0 - **E*	AS416-5-2H V6.0; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7656 - **Q*0 - **F*
6ES7656 - **Q*3 - **E*	AS416-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS416-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **Q*3 - **F*
6ES7656 - **Q*4 - **E*	AS416-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS416-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **Q*4 - **F*
<b>AS 414-2H</b>		
6ES7654 - 2VR34 - 0XX0	AS414-4-2H V3; AC10A R; UR2-H STEEL; CP443-1EX10 or EX11; 10m Sync-Modul; 1MB RAM	
6ES7654 - 2N*67 - 0XC0	AS414-4-2H V4; AC10A R; UR2-H STEEL or ALU; CP443-1EX11; 10m Sync-Modul	
6ES7654 - 2N*68 - 0XC0	AS414-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX11; 10m Sync-Modul	
6ES7656 - **E31 - 1CB*	AS414-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX11; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **E33 - 1CB*	AS414-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **E33 - 1CC*	No change (logistic update)	
6ES7656 - **E33 - 1CD*	AS414-4-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
6ES7656 - **E33 - 1CE*	AS414-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
	AS414-5-2H V6.0; AC10A R; UR2-H ALU; CP443-1EX30; 10m Sync-Modul; optional CP443-5DX05	6ES7656 - **E33 - 1CF*
6ES7654 - 5VR34 - 0XX0	AS414-4-2H V3; DC10A; UR2-H STEEL; CP443-1EX10 or EX11; 10m Sync-Modul; 1MB RAM	
6ES7654 - 4N*67 - 0XC0	AS414-4-2H V4; DC10A; UR2-H STEEL or ALU; CP443-1EX11; 10m Sync-Modul	
6ES7654 - 4N*68 - 0XC0	AS414-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX11; 10m Sync-Modul	
6ES7656 - **E31 - 1GB*	AS414-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX11; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **E33 - 1GB*	AS414-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **E33 - 1GC*	No change (logistic update)	
6ES7656 - **E33 - 1GD*	AS414-4-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
6ES7656 - **E33 - 1GE*	AS414-5-2H V6.0; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
	AS414-5-2H V6.0; DC10A; UR2-H ALU; CP443-1EX30; 10m Sync-Modul; optional CP443-5DX05	6ES7656 - **E33 - 1GF*
6ES7656 - **E*0 - **E*	AS414-5-2H V6.0; optional CP443-5DX05	
	No change (logistic update)	6ES7656 - **E*0 - **F*
6ES7656 - **E*1 - **B*	AS414-4-2H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7656 - **E*3 - **B*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7656 - **E*3 - **C*	No change (logistic update)	
6ES7656 - **E*3 - **D*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7656 - **E*3 - **E*	AS414-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS414-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **E*3 - **F*
6ES7656 - **E*2 - **B*	AS414-4-2H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7656 - **E*4 - **B*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7656 - **E*4 - **C*	No change (logistic update)	
6ES7656 - **E*4 - **D*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7656 - **E*4 - **E*	AS414-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS414-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **E*4 - **F*
<b>AS 414FH</b>		
6ES7656 - **F*0 - **E*	AS414-5-2H V6.0; AC10A; UR2-H ALU; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7656 - **F*0 - **F*
6ES7656 - **F*1 - **B*	AS414-4-2H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7656 - **F*3 - **B*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7656 - **F*3 - **C*	No change (logistic update)	
6ES7656 - **F*3 - **D*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **F*3 - **E*	AS414-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS414-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **F*3 - **F*
6ES7656 - **F*2 - **B*	AS414-4-2H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7656 - **F*4 - **B*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7656 - **F*4 - **C*	No change (logistic update)	
6ES7656 - **F*4 - **D*	AS414-4-2H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **F*4 - **E*	AS414-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS414-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **F*4 - **F*

01/2017

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 412-2H</b>		
01/2017		
6ES7654 - 2W*68 - 0XC0	AS412-3-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX11; 10m Sync-Modul	
6ES7656 - **A31 - 1CB*	AS412-3-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX11; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **A33 - 1CB*	AS412-3-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **A33 - 1CC*	No change (logistic update)	
6ES7656 - **A33 - 1CD*	AS412-3-2H V4.5; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
6ES7656 - **A33 - 1CE*	AS412-5-2H V6.0; AC10A R; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
	AS412-5-2H V6.0; AC10A R; UR2-H ALU; CP443-1EX30; 10m Sync-Modul; optional CP443-5DX05	6ES7656 - **A33 - 1CF*
6ES7654 - 4W*68 - 0XC0	AS412-3-2H V4.5; DC10A; UR2-H ALU; CP443-1EX11; 10m Sync-Modul	
6ES7656 - **A31 - 1GB*	AS412-3-2H V4.5; DC10A; UR2-H ALU; CP443-1EX11; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **A33 - 1GB*	AS412-3-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX04	
6ES7656 - **A33 - 1GC*	No change (logistic update)	
6ES7656 - **A33 - 1GD*	AS412-3-2H V4.5; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
6ES7656 - **A33 - 1GE*	AS412-5-2H V6.0; DC10A; UR2-H ALU; CP443-1EX20; 10m Sync-Modul; optional CP443-5DX05	
	AS412-5-2H V6.0; DC10A; UR2-H ALU; CP443-1EX30; 10m Sync-Modul; optional CP443-5DX05	6ES7656 - **A33 - 1GF*
6ES7656 - **A*0 - **E*	AS412-5-1H V6.0; optional CP443-5DX05	
	No change (logistic update)	6ES7656 - **A*0 - **F*
6ES7656 - **A*1 - **B*	AS412-3-2H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7656 - **A*3 - **B*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7656 - **A*3 - **C*	No change (logistic update)	
6ES7656 - **A*3 - **D*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7656 - **A*3 - **E*	AS412-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS412-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **A*3 - **F*
6ES7656 - **A*2 - **B*	AS412-3-2H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7656 - **A*4 - **B*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7656 - **A*4 - **C*	No change (logistic update)	
6ES7656 - **A*4 - **D*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7656 - **A*4 - **E*	AS412-5-2H V6.0; CP443-1EX20; optional CP443-5DX05	
	AS412-5-2H V6.0; CP443-1EX30; optional CP443-5DX05	6ES7656 - **A*4 - **F*
<b>AS 412FH</b>		
6ES7656 - **B*0 - **E*	AS412-5-1H V6.0; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7656 - **B*0 - **F*
6ES7656 - **B*1 - **B*	AS412-3-2H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7656 - **B*3 - **B*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7656 - **B*3 - **C*	No change (logistic update)	
6ES7656 - **B*3 - **D*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **B*3 - **E*	AS412-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS412-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **B*3 - **F*
6ES7656 - **B*2 - **B*	AS412-3-2H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7656 - **B*4 - **B*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7656 - **B*4 - **C*	No change (logistic update)	
6ES7656 - **B*4 - **D*	AS412-3-2H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7656 - **B*4 - **E*	AS412-5-2H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
	AS412-5-2H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	6ES7656 - **B*4 - **F*

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 417-1H</b>		
6ES7654 - 2SB32 - 0XX0	AS417-4-1H V2; AC10A; UR2 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 2SB33 - 0XX0	AS417-4-1H V2; AC10A R; UR2 STEEL; CP443-1EX10; 4 MB RAM	
6ES7654 - 2SB34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V3; AC10A R; UR2 STEEL; CP443-1EX10; 4 MB RAM	(1) at the same time
6ES7654 - 2UB34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V2; AC10A R; UR2 STEEL; CP443-1EX11; 4 MB RAM	(1) at the same time
6ES7654 - 2R*57 - 0XX0	AS417-4-1H V4; AC10A R; UR2 ALU; CP443-1EX11	
6ES7654 - 2R*58 - 0XX0	AS417-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX11	
6ES7654 - **M01 - 3CB*	AS417-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **M03 - 3CB*	AS417-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **M03 - 3CC*	No change (logistic update)	
6ES7654 - **M03 - 3CD*	AS417-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 3CE*	AS417-5-1H V6.0; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 3CF*	AS417-5-1H V6.0; AC10A R; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **M03 - 3CG*
6ES7654 - 5SB32 - 0XX0	AS417-4-1H V2; DC10A; UR2 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 5SB33 - 0XX0	AS417-4-1H V2; DC10A; UR2 STEEL; CP443-1EX10; 4 MB RAM	
6ES7654 - 5SB34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V3; DC10A; UR2 STEEL; CP443-1EX10; 4 MB RAM	(1) at the same time
6ES7654 - 5UB34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V2; DC10A; UR2 STEEL; CP443-1EX11; 4 MB RAM	(1) at the same time
6ES7654 - 4R*57 - 0XX0	AS417-4-1H V4; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 4R*58 - 0XX0	AS417-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **M01 - 3GB*	AS417-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **M03 - 3GB*	AS417-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **M03 - 3GC*	No change (logistic update)	
6ES7654 - **M03 - 3GD*	AS417-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 3GE*	AS417-5-1H V6.0; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 3GF*	AS417-5-1H V6.0; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **M03 - 3GG*
6ES7654 - 2SA32 - 0XX0	AS417-4-1H V2; AC10A; UR1 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 2SA33 - 0XX0	AS417-4-1H V2; AC10A R; UR1 STEEL; CP443-1EX10; 4 MB RAM	
6ES7654 - 2SA34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V3; AC10A R; UR1 STEEL; CP443-1EX10; 4 MB RAM	(1) at the same time
6ES7654 - 2UA34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V2; AC10A R; UR1 STEEL; CP443-1EX11; 4 MB RAM	(1) at the same time
6ES7654 - 2R*47 - 0XX0	AS417-4-1H V4; AC10A R; UR1 STEEL; CP443-1EX11	
6ES7654 - 2R*48 - 0XX0	AS417-4-1H V4.5; AC10A R; UR1 ALU; CP443-1EX11	
6ES7654 - **M01 - 6CB*	AS417-4-1H V4.5; AC10A R; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **M03 - 6CB*	AS417-4-1H V4.5; AC10A R; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **M03 - 6CC*	No change (logistic update)	
6ES7654 - **M03 - 6CD*	AS417-4-1H V4.5; AC10A R; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 6CE*	AS417-5-1H V6.0; AC10A R; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 6CF*	AS417-5-1H V6.0; AC10A R; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **M03 - 6CG*
6ES7654 - 5SA32 - 0XX0	AS417-4-1H V2; DC10A; UR1 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 5SA33 - 0XX0	AS417-4-1H V2; DC10A; UR1 STEEL; CP443-1EX10; 4 MB RAM	
6ES7654 - 5SA34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V3; DC10A; UR1 STEEL; CP443-1EX10; 4 MB RAM	(1) at the same time
6ES7654 - 5UA34 - 0XX0 <sup>(1)</sup>	AS417-4-1H V2; DC10A; UR1 STEEL; CP443-1EX11; 4 MB RAM	(1) at the same time
6ES7654 - 4R*47 - 0XX0	AS417-4-1H V4; DC10A; UR1 STEEL; CP443-1EX11	
6ES7654 - 4R*48 - 0XX0	AS417-4-1H V4.5; DC10A; UR1 ALU; CP443-1EX11	
6ES7654 - **M01 - 6GB*	AS417-4-1H V4.5; DC10A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **M03 - 6GB*	AS417-4-1H V4.5; DC10A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **M03 - 6GC*	No change (logistic update)	
6ES7654 - **M03 - 6GD*	AS417-4-1H V4.5; DC10A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 6GE*	AS417-5-1H V6.0; DC10A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M03 - 6GF*	AS417-5-1H V6.0; DC10A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **M03 - 6GG*
6ES7654 - **M*0 - **E*	AS417-5-1H V6.0; optional CP443-5DX05	
6ES7654 - **M*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **M*0 - **G*
6ES7654 - **M*1 - **B*	AS417-4-1H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **M*3 - **B*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **M*3 - **C*	No change (logistic update)	
6ES7654 - **M*3 - **D*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M*3 - **E*	AS417-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M*3 - **F*	AS417-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **M*3 - **G*
6ES7654 - **M*2 - **B*	AS417-4-1H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **M*4 - **B*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **M*4 - **C*	No change (logistic update)	
6ES7654 - **M*4 - **D*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M*4 - **E*	AS417-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **M*4 - **F*	AS417-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **M*4 - **G*

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<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 417F</b>		
6ES7654 - **N*0 - **E*	AS417-5-1H V6.0; optional CP443-5DX05; Safety License	
6ES7654 - **N*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **N*0 - **G*
6ES7654 - **N*1 - **B*	AS417-4-1H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7654 - **N*3 - **B*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7654 - **N*3 - **C*	No change (logistic update)	
6ES7654 - **N*3 - **D*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **N*3 - **E*	AS417-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **N*3 - **F*	AS417-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **N*3 - **G*
6ES7654 - **N*2 - **B*	AS417-4-1H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7654 - **N*4 - **B*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7654 - **N*4 - **C*	No change (logistic update)	
6ES7654 - **N*4 - **D*	AS417-4-1H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **N*4 - **E*	AS417-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **N*4 - **F*	AS417-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **N*4 - **G*
<b>AS 416-1H</b>		
6ES7654 - **P*0 - **E*	AS416-5-1H V6.0; optional CP443-5DX05	
6ES7654 - **P*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **P*0 - **G*
6ES7654 - **P*3 - **E*	AS416-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **P*3 - **F*	AS416-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **P*3 - **G*
6ES7654 - **P*4 - **E*	AS416-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **P*4 - **F*	AS416-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **P*4 - **G*
<b>AS 416F</b>		
6ES7654 - **Q*0 - **E*	AS416-5-1H V6.0; optional CP443-5DX05; Safety License	
6ES7654 - **Q*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **Q*0 - **G*
6ES7654 - **Q*3 - **E*	AS416-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **Q*3 - **F*	AS416-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **Q*3 - **G*
6ES7654 - **Q*4 - **E*	AS416-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **Q*4 - **F*	AS416-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **Q*4 - **G*
<b>AS 414-1H</b>		
6ES7654 - 2M*57 - 0XX0	AS414-4-1H V4; AC10A R; UR2 ALU; CP443-1EX11	
6ES7654 - 2M*58 - 0XX0	AS414-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX11	
6ES7654 - **E01 - 3CB*	AS414-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **E03 - 3CB*	AS414-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **E03 - 3CC*	No change (logistic update)	
6ES7654 - **E03 - 3CD*	AS414-4-1H V4.5; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E03 - 3CE*	AS414-5-1H V6.0; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E03 - 3CF*	AS414-5-1H V6.0; AC10A R; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **E03 - 3GG*
6ES7654 - 4M*57 - 0XX0	AS414-4-1H V4; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 4M*58 - 0XX0	AS414-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **E01 - 3GB*	AS414-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **E03 - 3GB*	AS414-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **E03 - 3GC*	No change (logistic update)	
6ES7654 - **E03 - 3GD*	AS414-4-1H V4.5; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E03 - 3GE*	AS414-5-1H V6.0; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E03 - 3GF*	AS414-5-1H V6.0; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **E03 - 3GG*
6ES7654 - **E*0 - **E*	AS414-5-1H V6.0; optional CP443-5DX05	
6ES7654 - **E*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **E*0 - **G*
6ES7654 - **E*1 - **B*	AS414-4-1H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **E*3 - **B*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **E*3 - **C*	No change (logistic update)	
6ES7654 - **E*3 - **D*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E*3 - **E*	AS414-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E*3 - **F*	AS414-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **E*3 - **G*
6ES7654 - **E*2 - **B*	AS414-4-1H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **E*4 - **B*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **E*4 - **C*	No change (logistic update)	
6ES7654 - **E*4 - **D*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E*4 - **E*	AS414-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **E*4 - **F*	AS414-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **E*4 - **G*

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 414F</b>		
6ES7654 - **F*0 - **E*	AS414-5-1H V6.0; optional CP443-5DX05; Safety License	
6ES7654 - **F*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **F*0 - **G*
6ES7654 - **F*1 - **B*	AS414-4-1H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7654 - **F*3 - **B*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7654 - **F*3 - **C*	No change (logistic update)	
6ES7654 - **F*3 - **D*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **F*3 - **E*	AS414-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **F*3 - **F*	AS414-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **F*3 - **G*
6ES7654 - **F*2 - **B*	AS414-4-1H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7654 - **F*4 - **B*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7654 - **F*4 - **C*	No change (logistic update)	
6ES7654 - **F*4 - **D*	AS414-4-1H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **F*4 - **E*	AS414-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **F*4 - **F*	AS414-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **F*4 - **G*
<b>AS 412-1H</b>		
6ES7654 - 2V*58 - 0XX0	AS412-3-1H V4.5; AC10A R; UR2 ALU; CP443-1EX11	
6ES7654 - **A01 - 3CB*	AS412-3-1H V4.5; AC10A R; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **A03 - 3CB*	AS412-3-1H V4.5; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **A03 - 3CC*	No change (logistic update)	
6ES7654 - **A03 - 3CD*	AS412-3-1H V4.5; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A03 - 3CE*	AS412-5-1H V6.0; AC10A R; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A03 - 3CF*	AS412-5-1H V6.0; AC10A R; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	
		6ES7654 - **A03 - 3CG*
6ES7654 - 4V*58 - 0XX0	AS412-3-1H V4.5; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **A01 - 3GB*	AS412-3-1H V4.5; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **A03 - 3GB*	AS412-3-1H V4.5; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **A03 - 3GC*	No change (logistic update)	
6ES7654 - **A03 - 3GD*	AS412-3-1H V4.5; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A03 - 3GE*	AS412-5-1H V6.0; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A03 - 3GF*	AS412-5-1H V6.0; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	
		6ES7654 - **A03 - 3GG*
6ES7654 - **A*0 - **E*	AS412-5-1H V6.0; optional CP443-5DX05	
6ES7654 - **A*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **A*0 - **G*
6ES7654 - **A*1 - **B*	AS412-3-1H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **A*3 - **B*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **A*3 - **C*	No change (logistic update)	
6ES7654 - **A*3 - **D*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A*3 - **E*	AS412-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A*3 - **F*	AS412-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **A*3 - **G*
6ES7654 - **A*2 - **B*	AS412-3-1H V4.5; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **A*4 - **B*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **A*4 - **C*	No change (logistic update)	
6ES7654 - **A*4 - **D*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A*4 - **E*	AS412-5-1H V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **A*4 - **F*	AS412-5-1H V6.0; CP443-1EX30; optional CP443-5DX05	
	No change (logistic update)	6ES7654 - **A*4 - **G*
<b>AS 412F</b>		
6ES7654 - **B*0 - **E*	AS412-5-1H V6.0; optional CP443-5DX05; Safety License	
6ES7654 - **B*0 - **F*	No change (logistic update)	
	No change (logistic update)	6ES7654 - **B*0 - **G*
6ES7654 - **B*1 - **B*	AS412-3-1H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7654 - **B*3 - **B*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7654 - **B*3 - **C*	No change (logistic update)	
6ES7654 - **B*3 - **D*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **B*3 - **E*	AS412-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **B*3 - **F*	AS412-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **B*3 - **G*
6ES7654 - **B*2 - **B*	AS412-3-1H V4.5; CP443-1EX11; optional CP443-5DX04; Safety License	
6ES7654 - **B*4 - **B*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX04; Safety License	
6ES7654 - **B*4 - **C*	No change (logistic update)	
6ES7654 - **B*4 - **D*	AS412-3-1H V4.5; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **B*4 - **E*	AS412-5-1H V6.0; CP443-1EX20; optional CP443-5DX05; Safety License	
6ES7654 - **B*4 - **F*	AS412-5-1H V6.0; CP443-1EX30; optional CP443-5DX05; Safety License	
	No change (logistic update)	6ES7654 - **B*4 - **G*

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
AS 417-4		
6ES7654 - 2GB31 - 0XX0	AS417-4 V2; AC10A; UR2 ALU; CP443-1BX00 or EX02; 4 MB RAM	
6ES7654 - 2GB32 - 0XX0 <sup>(1)</sup>	AS417-4 V2; AC10A; UR2 STEEL; CP443-1EX02; 4 MB RAM	(1) at the same time
6ES7654 - 2GB32 - 0XY0 <sup>(1)</sup>	AS417-4 V2; AC10A; UR2 STEEL; CP443-1EX02; 8 MB RAM	(1) at the same time
6ES7654 - 1L*57 - 0XX0	AS417-4 V4; AC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 1L*58 - 0XX0	AS417-4 V5; AC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **K*1 - 3BB*	AS417-4 V5.3; AC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **K*3 - 3BB*	AS417-4 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **K*3 - 3BC*	No change (logistic update)	
6ES7654 - **K*3 - 3BD*	AS417-4 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **K*3 - 3BE*	No change (logistic update)	
6ES7654 - **K*3 - 3BF*	AS417-4 V5.3; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS417-4 V7.0; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **K*3 - 3BG*
6ES7654 - 5GB31 - 0XX0	AS417-4 V2; DC10A; UR2 ALU; CP443-1BX00 or EX02; 4 MB RAM	
6ES7654 - 5GB32 - 0XX0	AS417-4 V2; DC10A; UR2 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 4L*57 - 0XX0	AS417-4 V4; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 4L*58 - 0XX0	AS417-4 V5; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **K*1 - 3GB*	AS417-4 V5.3; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **K*3 - 3GB*	AS417-4 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **K*3 - 3GC*	No change (logistic update)	
6ES7654 - **K*3 - 3GD*	AS417-4 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **K*3 - 3GE*	No change (logistic update)	
6ES7654 - **K*3 - 3GF*	AS417-4 V5.3; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS417-4 V7.0; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **K*3 - 3GG*
6ES7654 - 2GA32 - 0XX0	AS417-4 V2; AC10A; UR1 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 3L*47 - 0XX0	AS417-4 V4; AC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 3L*48 - 0XX0	AS417-4 V5; AC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **K*1 - 5DB*	AS417-4 V5.3; AC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **K*3 - 5DB*	AS417-4 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **K*3 - 5DC*	No change (logistic update)	
6ES7654 - **K*3 - 5DD*	AS417-4 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **K*3 - 5DE*	No change (logistic update)	
6ES7654 - **K*3 - 5DF*	AS417-4 V5.3; AC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	AS417-4 V7.0; AC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **K*3 - 5DG*
6ES7654 - 5GA32 - 0XX0	AS417-4 V2; DC10A; UR1 STEEL; CP443-1EX2; 4 MB RAM	
6ES7654 - 6L*47 - 0XX0	AS417-4 V4; DC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 6L*48 - 0XX0	AS417-4 V5; DC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **K*1 - 5JB*	AS417-4 V5.3; DC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **K*3 - 5JB*	AS417-4 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **K*3 - 5JC*	No change (logistic update)	
6ES7654 - **K*3 - 5JD*	AS417-4 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **K*3 - 5JE*	No change (logistic update)	
6ES7654 - **K*3 - 5JF*	AS417-4 V5.3; DC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	AS417-4 V7.0; DC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **K*3 - 5JG*
6ES7654 - **K*1 - **B*	AS417-4 V5.3; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **K*3 - **B*	AS417-4 V5.3; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **K*3 - **C*	No change (logistic update)	
6ES7654 - **K*3 - **D*	AS417-4 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **K*3 - **E*	No change (logistic update)	
6ES7654 - **K*3 - **F*	AS417-4 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS417-4 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **K*3 - **G*
6ES7654 - **K*4 - **E*	AS417-4 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **K*4 - **F*	AS417-4 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS417-4 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **K*4 - **G*

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<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 416-3</b>		
6ES7654 - 2EB31 - 0XX0	AS416XL V1; AC10A; UR2 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 2EB32 - 0XX0	AS416-3 V2; AC10A; UR2 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 1K*57 - 0XX0	AS416-3 V4; AC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 1K*58 - 0XX0	AS416-3 V5; AC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **H*1 - 3BB*	AS416-3 V5.3; AC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - 3BB*	AS416-3 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 3BC*	No change (logistic update)	
6ES7654 - **H*3 - 3BD*	AS416-3 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - 3BE*	No change (logistic update)	
6ES7654 - **H*3 - 3BF*	AS416-3 V5.3; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-3 V7.0; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **H*3 - 3BG*
6ES7654 - 5EB31 - 0XX0	AS416XL V1; DC10A; UR2 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 5EB32 - 0XX0	AS416-3 V2; DC10A; UR2 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 4K*57 - 0XX0	AS416-3 V4; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 4K*58 - 0XX0	AS416-3 V5; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **H*1 - 3GB*	AS416-3 V5.3; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - 3GB*	AS416-3 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 3GC*	No change (logistic update)	
6ES7654 - **H*3 - 3GD*	AS416-3 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - 3GE*	No change (logistic update)	
6ES7654 - **H*3 - 3GF*	AS416-3 V5.3; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-3 V7.0; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **H*3 - 3GG*
6ES7654 - 2EA31 - 0XX0	AS416XL V1; AC10A; UR1 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 2EA32 - 0XX0	AS416-3 V2; AC10A; UR1 STEEL; CP443-1EX02; 4 MB RAM	
6ES7654 - 3K*47 - 0XX0	AS416-3 V4; AC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 3K*48 - 0XX0	AS416-3 V5; AC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **H*1 - 5DB*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - 5DB*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 5DC*	No change (logistic update)	
6ES7654 - **H*3 - 5DD*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - 5DE*	No change (logistic update)	
6ES7654 - **H*3 - 5DF*	AS416-3 V5.3; AC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-3 V7.0; AC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **H*3 - 5DG*
6ES7654 - 5EA31 - 0XX0	AS416XL V1; DC10A; UR1 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 5EA32 - 0XX0	AS416-3 V2; DC10A; UR1 STEEL; CP443-1EX2; 4 MB RAM	
6ES7654 - 6K*47 - 0XX0	AS416-3 V4; DC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 6K*48 - 0XX0	AS416-3 V5; DC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **H*1 - 5JB*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - 5JB*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - 5JC*	No change (logistic update)	
6ES7654 - **H*3 - 5JD*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - 5JE*	No change (logistic update)	
6ES7654 - **H*3 - 5JF*	AS416-3 V5.3; DC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-3 V7.0; DC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **H*3 - 5JG*
6ES7654 - **H*1 - **B*	AS416-3 V5.3; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **H*3 - **B*	AS416-3 V5.3; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **H*3 - **C*	No change (logistic update)	
6ES7654 - **H*3 - **D*	AS416-3 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*3 - **E*	No change (logistic update)	
6ES7654 - **H*3 - **F*	AS416-3 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS416-3 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **H*3 - **G*
6ES7654 - **H*4 - **E*	AS416-3 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **H*4 - **F*	AS416-3 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS416-3 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **H*4 - **G*

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<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 416-2</b>		
6ES7654 - 2DB31 - 0XX0	AS416-2 V1; AC10A; UR2 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 2DB32 - 0XX0	AS416-2 V3; AC10A; UR2 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 1J*57 - 0XX0	AS416-2 V4; AC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 1J*58 - 0XX0	AS416-2 V5; AC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **G*1 - 3BB*	AS416-2 V5.3; AC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **G*3 - 3BB*	AS416-2 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **G*3 - 3BC*	No change (logistic update)	
6ES7654 - **G*3 - 3BD*	AS416-2 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **G*3 - 3BE*	No change (logistic update)	
6ES7654 - **G*3 - 3BF*	AS416-2 V5.3; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-2 V7.0; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **G*3 - 3BG*
6ES7654 - 5DB31 - 0XX0	AS416-2 V1; DC10A; UR2 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 5DB32 - 0XX0	AS416-2 V3; DC10A; UR2 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 4J*57 - 0XX0	AS416-2 V4; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - 4J*58 - 0XX0	AS416-2 V5; DC10A; UR2 ALU; CP443-1EX11	
6ES7654 - **G*1 - 3GB*	AS416-2 V5.3; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **G*3 - 3GB*	AS416-2 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **G*3 - 3GC*	No change (logistic update)	
6ES7654 - **G*3 - 3GD*	AS416-2 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **G*3 - 3GE*	No change (logistic update)	
6ES7654 - **G*3 - 3GF*	AS416-2 V5.3; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-2 V7.0 DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **G*3 - 3GG*
6ES7654 - 2DA31 - 0XX0	AS416-2 V1; AC10A; UR1 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 2DA32 - 0XX0	AS416-2 V3; AC10A; UR1 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 3J*47 - 0XX0	AS416-2 V4; AC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 3J*48 - 0XX0	AS416-2 V5; AC20A; D521 CP443-1EX11	
6ES7654 - **G*1 - 5DB*	AS416-2 V5.3; AC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **G*3 - 5DB*	AS416-2 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **G*3 - 5DC*	No change (logistic update)	
6ES7654 - **G*3 - 5DD*	AS416-2 V5.3; AC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **G*3 - 5DE*	No change (logistic update)	
6ES7654 - **G*3 - 5DF*	AS416-2 V5.3; AC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-2 V7.0; AC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **G*3 - 5DG*
6ES7654 - 5DA31 - 0XX0	AS416-2 V1; DC10A; UR1 ALU; CP443-1BX00 or EX02; 2 MB RAM	
6ES7654 - 5DA32 - 0XX0	AS416-2 V3; DC10A; UR1 STEEL; CP443-1EX2; 2 MB RAM	
6ES7654 - 6J*47 - 0XX0	AS416-2 V4; DC20A; UR1 STEEL; CP443-1EX11	
6ES7654 - 6J*48 - 0XX0	AS416-2 V5; DC20A; UR1 STEEL or ALU; CP443-1EX11	
6ES7654 - **G*1 - 5JB*	AS416-2 V5.3; DC20A; UR1 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **G*3 - 5JB*	AS416-2 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **G*3 - 5JC*	No change (logistic update)	
6ES7654 - **G*3 - 5JD*	AS416-2 V5.3; DC20A; UR1 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **G*3 - 5JE*	No change (logistic update)	
6ES7654 - **G*3 - 5JF*	AS416-2 V5.3; DC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	
	AS416-2 V7.0; DC20A; UR1 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **G*3 - 5JG*
6ES7654 - **G*1 - **B*	AS416-2 V5.3; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **G*3 - **B*	AS416-2 V5.3; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **G*3 - **C*	No change (logistic update)	
6ES7654 - **G*3 - **D*	AS416-2 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **G*3 - **E*	No change (logistic update)	
6ES7654 - **G*3 - **F*	AS416-2 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS416-2 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **G*3 - **G*
6ES7654 - **G*4 - **E*	AS416-2 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **G*4 - **F*	AS416-2 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS416-2 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **G*4 - **G*

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<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>AS 414-3</b>		
6ES7654 - 2BB32 - 0XX0	AS414-3 V3; AC10A; UR2 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 1Q*57 - 0XX0	AS414-3 V4; AC10A; UR2 ALU; CP 443-1 EX11	
6ES7654 - 1Q*58 - 0XX0	AS414-3 V5; AC10A; UR2 ALU; CP 443-1 EX11	
6ES7654 - **C*1 - 3BB*	AS414-3 V5.3; AC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **C*3 - 3BB*	AS414-3 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **C*3 - 3BC*	No change (logistic update)	
6ES7654 - **C*3 - 3BD*	AS414-3 V5.3; AC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **C*3 - 3BE*	No change (logistic update)	
6ES7654 - **C*3 - 3BF*	AS414-3 V5.3; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS414-3 V7.0; AC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **C*3 - 3BG*
6ES7654 - 5BB32 - 0XX0	AS414-3 V3; DC10A; UR2 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 4Q*57 - 0XX0	AS414-3 V4; DC10A; UR2 ALU; CP 443-1 EX11	
6ES7654 - 4Q*58 - 0XX0	AS414-3 V5; DC10A; UR2 ALU; CP 443-1 EX11	
6ES7654 - **C*1 - 3GB*	AS414-3 V5.3; DC10A; UR2 ALU; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **C*3 - 3GB*	AS414-3 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **C*3 - 3GC*	No change (logistic update)	
6ES7654 - **C*3 - 3GD*	AS414-3 V5.3; DC10A; UR2 ALU; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **C*3 - 3GE*	No change (logistic update)	
6ES7654 - **C*3 - 3GF*	AS414-3 V5.3; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	
	AS414-3 V7.0; DC10A; UR2 ALU; CP443-1EX30; optional CP443-5DX05	6ES7654 - **C*3 - 3GG*
6ES7654 - 2BA32 - 0XX0	AS414-3 V3; AC10A; UR1 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 3Q*47 - 0XX0	AS414-3 V4; AC20A; UR1 STEEL; CP 443-1 EX11	
6ES7654 - 3Q*48 - 0XX0	AS414-3 V5; AC20A; UR1 STEEL or ALU; CP 443-1 EX11	
6ES7654 - **C*1 - 5DB*	AS414-3 V5.3; AC20A; UR1; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **C*3 - 5DB*	AS414-3 V5.3; AC20A; UR1; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **C*3 - 5DC*	No change (logistic update)	
6ES7654 - **C*3 - 5DD*	AS414-3 V5.3; AC20A; UR1; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **C*3 - 5DE*	No change (logistic update)	
6ES7654 - **C*3 - 5DF*	AS414-3 V5.3; AC20A; UR1; CP443-1EX30; optional CP443-5DX05	
	AS414-3 V7.0; AC20A; UR1; CP443-1EX30; optional CP443-5DX05	6ES7654 - **C*3 - 5DG*
6ES7654 - 5BA32 - 0XX0	AS414-3 V3; DC10A; UR1 STEEL; CP443-1EX02; 2 MB RAM	
6ES7654 - 6Q*47 - 0XX0	AS414-3 V4; DC20A; UR1 STEEL; CP 443-1 EX11	
6ES7654 - 6Q*48 - 0XX0	AS414-3 V5; DC20A; UR1 STEEL or ALU; CP 443-1 EX11	
6ES7654 - **C*1 - 5JB*	AS414-3 V5.3; DC20A; UR1; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **C*3 - 5JB*	AS414-3 V5.3; DC20A; UR1; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **C*3 - 5JC*	No change (logistic update)	
6ES7654 - **C*3 - 5JD*	AS414-3 V5.3; DC20A; UR1; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **C*3 - 5JE*	No change (logistic update)	
6ES7654 - **C*3 - 5JF*	AS414-3 V5.3; DC20A; UR1; CP443-1EX30; optional CP443-5DX05	
	AS414-3 V7.0; DC20A; UR1; CP443-1EX30; optional CP443-5DX05	6ES7654 - **C*3 - 5JG*
6ES7654 - **C*1 - **B*	AS414-3 V5.3; CP443-1EX11; optional CP443-5DX04	
6ES7654 - **C*3 - **B*	AS414-3 V5.3; CP443-1EX20; optional CP443-5DX04	
6ES7654 - **C*3 - **C*	No change (logistic update)	
6ES7654 - **C*3 - **D*	AS414-3 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **C*3 - **E*	No change (logistic update)	
6ES7654 - **C*3 - **F*	AS414-3 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS414-3 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **C*3 - **G*
6ES7654 - **C*4 - **E*	AS414-3 V5.3; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **C*4 - **F*	AS414-3 V5.3; CP443-1EX30; optional CP443-5DX05	
	AS414-3 V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **C*4 - **G*
<b>AS 416-3IE</b>		
6ES7654 - **J*0 - **B*	AS416-3PN V5.3; optional CP443-5DX04	
6ES7654 - **J*0 - **C*	AS416-3PN V6.0; optional CP443-5DX04	
6ES7654 - **J*0 - **D*	AS416-3PN V6.0; optional CP443-5DX05	
6ES7654 - **J*0 - **E*	No change (logistic update)	
6ES7654 - **J*0 - **F*	No change (logistic update)	
	AS416-3PN V7.0; optional CP443-5DX05	6ES7654 - **J*0 - **G*
6ES7654 - **J*3 - **E*	AS416-3PN V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **J*3 - **F*	AS416-3PN V6.0; CP443-1EX30; optional CP443-5DX05	
	AS416-3PN V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **J*3 - **G*
6ES7654 - **J*4 - **E*	AS416-3PN V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **J*4 - **F*	AS416-3PN V6.0; CP443-1EX30; optional CP443-5DX05	
	AS416-3PN V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **J*4 - **G*
<b>AS 414-3IE</b>		
6ES7654 - **D*0 - **B*	AS414-3PN V5.3; optional CP443-5DX04	
6ES7654 - **D*0 - **C*	AS414-3PN V6.0; optional CP443-5DX04	
6ES7654 - **D*0 - **D*	AS414-3PN V6.0; optional CP443-5DX05	
6ES7654 - **D*0 - **E*	No change (logistic update)	
6ES7654 - **D*0 - **F*	No change (logistic update)	
	AS414-3PN V7.0; optional CP443-5DX05	6ES7654 - **D*0 - **G*
6ES7654 - **D*3 - **E*	AS414-3PN V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **D*3 - **F*	AS414-3PN V6.0; CP443-1EX30; optional CP443-5DX05	
	AS414-3PN V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **D*3 - **G*
6ES7654 - **D*4 - **E*	AS414-3PN V6.0; CP443-1EX20; optional CP443-5DX05	
6ES7654 - **D*4 - **F*	AS414-3PN V6.0; CP443-1EX30; optional CP443-5DX05	
	AS414-3PN V7.0; CP443-1EX30; optional CP443-5DX05	6ES7654 - **D*4 - **G*

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## 2.1.b Type-specific order number history of the SIMATIC PCS 7 automation systems 410

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**Predecessor Order No.**    **Brief description**    **Current Successor**

**AS 410-2H &  
AS 410FH**

<b>6ES7656 - *C**0 - **F*</b>	AS410-5-2H V8; optional CP443-5DX05-0XE0	
	since Oct. 2013 AS410-5-2H V8; optional CP443-5DX05-0XE1	
	since Aug. 2015 AS410-5-2H V8; optional CP443-5DX05-0XE1; (PS 4A or PS 10A R) and (UR2 ALU or UR2H ALU or CR3) and (10m Sync-Mod.) with conformal coating and 70°C operation temperature	<b>6ES7656 - *C**0 - **F*</b>
<b>6ES7656 - *C**3 - **F*</b>	AS410-5-2H V8; CP443-1EX30-0XE0; optional CP443-5DX05-0XE0	
	since Oct. 2013 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1	
	since Aug. 2015 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1; (PS 4A or PS 10A R) and (UR2 ALU or UR2H ALU or CR3) and (10m Sync-Mod.) with conformal coating and 70°C operation temperature	<b>6ES7656 - *C**3 - **F*</b>
<b>6ES7656 - *C**4 - **F*</b>	AS410-5-2H V8; CP443-1EX30-0XE0; optional CP443-5DX05-0XE0	
	since Oct. 2013 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1	
	since Aug. 2015 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1; (PS 4A or PS 10A R) and (UR2 ALU or UR2H ALU or CR3) and (10m Sync-Mod.) with conformal coating and 70°C operation temperature	<b>6ES7656 - *C**4 - **F*</b>

**AS 410-1H &  
AS 410F**

<b>6ES7654 - *C**0 - **F*</b>	AS410-5-2H V8; optional CP443-5DX05-0XE0	
	since Oct. 2013 AS410-5-2H V8; optional CP443-5DX05-0XE1	
	since Aug. 2015 AS410-5-2H V8; optional CP443-5DX05-0XE1; (PS 4A or PS 10A R) and (UR2 ALU or CR3) with conformal coating and 70°C operation temperature	<b>6ES7654 - *C**0 - **F*</b>
<b>6ES7654 - *C**3 - **F*</b>	AS410-5-2H V8; CP443-1EX30-0XE0; optional CP443-5DX05-0XE0	
	since Oct. 2013 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1	
	since Aug. 2015 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1; (PS 4A or PS 10A R) and (UR2 ALU or CR3) with conformal coating and 70°C operation temperature	<b>6ES7654 - *C**3 - **F*</b>
<b>6ES7654 - *C**4 - **F*</b>	AS410-5-2H V8; CP443-1EX30-0XE0; optional CP443-5DX05-0XE0	
	since Oct. 2013 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1	
	since Aug. 2015 AS410-5-2H V8; CP443-1EX30-0XE1; optional CP443-5DX05-0XE1; (PS 4A or PS 10A R) and (UR2 ALU or CR3) with conformal coating and 70°C operation temperature	<b>6ES7654 - *C**4 - **F*</b>

## 2.2 Discontinued PCS 7 AS Bundles

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**Order No.**                      **Brief description**

**AS 417-2H**

6ES7654 - 2SB31 - 0XX0	AS417-4-2H V2; AC10A; UR2-H STEEL; CP443-1EX02; 4 MB RAM; CP443-1BX00
6ES7654 - 2SR02 - 0XX0	AS417-4-2H V2; AC10A; UR2-H STEEL; 4 MB RAM
6ES7654 - 2SR03 - 0XX0	AS417-4-2H V2; AC10A R; UR2-H STEEL; 4 MB RAM
6ES7654 - 2SR04 - 0XX0	AS417-4-2H V3; AC10A R; UR2-H STEEL; 4 MB RAM
6ES7654 - 2SR32 - 0XX0	AS417-4-2H V2; AC10A; UR2-H STEEL; CP443-1EX02; 4 MB RAM
6ES7654 - 2TR02 - 0XX0	AS417-4-2H V2; AC10A; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM
6ES7654 - 2TR03 - 0XX0	AS417-4-2H V2; AC10A R; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM
6ES7654 - 2TR04 - 0XX0	AS417-4-2H V3; AC10A R; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM
6ES7654 - 5SB31 - 0XX0	AS417-4-2H V3; DC10A; UR2-H STEEL; CP443-1EX02; 4 MB RAM; CP443-1BX00
6ES7654 - 5SR02 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; 4 MB RAM
6ES7654 - 5SR03 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; 4 MB RAM
6ES7654 - 5SR04 - 0XX0	AS417-4-2H V3; DC10A; UR2-H STEEL; 4 MB RAM
6ES7654 - 5SR32 - 0XX0	AS417-4-2H V3; DC10A; UR2-H STEEL; CP443-1EX02; 4 MB RAM
6ES7654 - 5TR02 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM
6ES7654 - 5TR03 - 0XX0	AS417-4-2H V2; DC10A; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM
6ES7654 - 5TR04 - 0XX0	AS417-4-2H V3; DC10A; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM

**AS 414-2H**

6ES7654 - 2UR04 - 0XX0	AS414-4-2H V3; AC10A R; UR2-H STEEL; 4 MB RAM
6ES7654 - 2VR04 - 0XX0	AS414-4-2H V3; AC10A R; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM
6ES7654 - 5UR04 - 0XX0	AS414-4-2H V3; DC10A; UR2-H STEEL; 4 MB RAM
6ES7654 - 5VR04 - 0XX0	AS414-4-2H V3; DC10A; UR2-H STEEL; 10m Sync-Modul; 4 MB RAM

**AS 417-1H**

6ES7654 - 2SA02 - 0XX0	AS417-4-2H V2; AC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 2SA03 - 0XX0	AS417-4-2H V2; AC10A R; UR1 STEEL; 4 MB RAM
6ES7654 - 2SA04 - 0XX0	AS417-4-2H V3; AC10A R; UR1 STEEL; 4 MB RAM
6ES7654 - 2SB02 - 0XX0	AS417-4-2H V2; AC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 2SB03 - 0XX0	AS417-4-2H V2; AC10A R; UR2 STEEL; 4 MB RAM
6ES7654 - 2SB04 - 0XX0	AS417-4-2H V3; AC10A R; UR2 STEEL; 4 MB RAM
6ES7654 - 5SA02 - 0XX0	AS417-4-2H V2; DC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 5SA03 - 0XX0	AS417-4-2H V2; DC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 5SA04 - 0XX0	AS417-4-2H V3; DC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 5SB02 - 0XX0	AS417-4-2H V2; DC10A; UR2 STEEL; 4 MB RAM
6ES7654 - 5SB03 - 0XX0	AS417-4-2H V2; DC10A; UR2 STEEL; 4 MB RAM
6ES7654 - 5SB04 - 0XX0	AS417-4-2H V3; DC10A; UR2 STEEL; 4 MB RAM

**AS 414-1H**

6ES7654 - 2UA04 - 0XX0	AS414-4-2H V3; AC10A R; UR1 STEEL; 4 MB RAM
6ES7654 - 2UB04 - 0XX0	AS414-4-2H V3; AC10A R; UR2 STEEL; 4 MB RAM
6ES7654 - 5UA04 - 0XX0	AS414-4-2H V3; DC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 5UB04 - 0XX0	AS414-4-2H V3; DC10A; UR2 STEEL; 4 MB RAM

**AS 417-4**

6ES7654 - 2GA02 - 0XX0	AS417-4 V2; AC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 2GB02 - 0XX0	AS417-4 V2; AC10A; UR2 STEEL; 4 MB RAM
6ES7654 - 2GB11 - 0XX0	AS417-4 V2; AC10A; UR2 ALU; 4 MB RAM; CP443-5FX00
6ES7654 - 5GA02 - 0XX0	AS417-4 V2; DC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 5GB02 - 0XX0	AS417-4 V2; DC10A; UR2 STEEL; 4 MB RAM
6ES7654 - 5GB11 - 0XX0	AS417-4 V2; DC10A; UR2 ALU; 4 MB RAM; CP443-5FX00

**AS 416-3**

6ES7654 - 2EA11 - 0XX1	AS416-2XL V2; AC10A; UR1 ALU; 2 MB RAM; CP443-5FX00
6ES7654 - 2EB11 - 0XX0	AS416-2XL V2; AC10A; UR2 ALU; 2 MB RAM; CP443-5FX00
6ES7654 - 2GA02 - 0XX0	AS416-3 V2; AC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 2GB02 - 0XX0	AS416-3 V2; AC10A; UR2 STEEL; 4 MB RAM
6ES7654 - 5EA11 - 0XX0	AS416-2XL V2; DC10A; UR1 ALU; 2 MB RAM; CP443-5FX00
6ES7654 - 5EB11 - 0XX0	AS416-2XL V2; DC10A; UR2 ALU; 2 MB RAM; CP443-5FX00
6ES7654 - 5GA02 - 0XX0	AS416-3 V2; DC10A; UR1 STEEL; 4 MB RAM
6ES7654 - 5GB02 - 0XX0	AS416-3 V2; DC10A; UR2 STEEL; 4 MB RAM

**Order No.**                      **Brief description**

**AS 416-2**

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<b>6ES7654 - 2DA01 - 0XX0</b>	AS416-2 V2; AC10A; UR1 ALU 2 MB RAM
<b>6ES7654 - 2DA02 - 0XX0</b>	AS416-2 V3; AC10A; UR1 STEEL; 2 MB RAM
<b>6ES7654 - 2DA11 - 0XX0</b>	AS416-2 V2; AC10A; UR1 ALU; 2 MB RAM; CP443-5FX00
<b>6ES7654 - 2DB01 - 0XX0</b>	AS416-2 V2; AC10A; UR2 ALU; 2 MB RAM
<b>6ES7654 - 2DB02 - 0XX0</b>	AS416-2 V3; AC10A; UR2 STEEL; 2 MB RAM
<b>6ES7654 - 2DB11 - 0XX0</b>	AS416-2 V2; AC10A; UR2 ALU; 2 MB RAM; CP443-5FX00
<b>6ES7654 - 5DA01 - 0XX0</b>	AS416-2 V2; DC10A; UR1 ALU; 2 MB RAM
<b>6ES7654 - 5DA11 - 0XX0</b>	AS416-2 V3; DC10A; UR1 STEEL; 2 MB RAM
<b>6ES7654 - 5DA02 - 0XX0</b>	AS416-2 V2; DC10A; UR1 ALU; 2 MB RAM; CP443-5FX00
<b>6ES7654 - 5DB01 - 0XX0</b>	AS416-2 V2; DC10A; UR2 ALU; 2 MB RAM
<b>6ES7654 - 5DB02 - 0XX0</b>	AS416-2 V3; DC10A; UR2 STEEL; 2 MB RAM
<b>6ES7654 - 5DB11 - 0XX0</b>	AS416-2 V2; DC10A; UR2 ALU; 2 MB RAM; CP443-5FX00

**AS 414-3**

<b>6ES7654 - 2DA02 - 0XX0</b>	AS414-3 V3; AC10A; UR1 STEEL; 1 MB RAM
<b>6ES7654 - 2DB02 - 0XX0</b>	AS414-3 V3; AC10A; UR2 STEEL; 1 MB RAM
<b>6ES7654 - 5DA02 - 0XX0</b>	AS414-3 V3; DC10A; UR1 STEEL; 1 MB RAM
<b>6ES7654 - 5DB02 - 0XX0</b>	AS414-3 V3; DC10A; UR2 STEEL; 1 MB RAM

**AS 414-2**

<b>6ES7654 - 1LB02 - 0XX0</b>	AS414-2 V3; AC4A; UR1 STEEL; 256 kB RAM
<b>6ES7654 - 2BA01 - 0XX0</b>	AS414-2 V1; AC10A; UR1 ALU; 1 MB RAM
<b>6ES7654 - 2BB01 - 0XX0</b>	AS414-2 V1; AC10A; UR2 ALU; 1 MB RAM
<b>6ES7654 - 5BA01 - 0XX0</b>	AS414-2 V1; DC10A; UR1 ALU; 1 MB RAM
<b>6ES7654 - 5BB01 - 0XX0</b>	AS414-2 V1; DC10A; UR2 ALU; 1 MB RAM

**AS 412-1**

<b>6ES7654 - 1AB02 - 0XX0</b>	AS412-1 V3; AC4A; UR1 STEEL; 256 kB RAM
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## 2.3 History of the CPU types

01/2017

The module history of the CPUs used in the SIMATIC PCS 7 AS Bundles is represented below. The current successor of a CPU type is listed in the right column. The modules of a block (CPU type) are spare part compatible. Spare part compatible CPUs can be used without having to change the configuration. Please bear in mind, however, that the interfaces may have changed.

<u>Predecessor Order No.</u>	<u>Brief description</u>	<u>Current Successor</u>
<b>CPU410</b>		
CPU 410-5H	CPU410-5H Process Automation V8 --- 32MB; 7,5ns; 10000 ALARM8	CPU 410-5H
	-->	

### H-CPU's

CPU 417-4HL00	CPU417-4H V2 --- 4 ..20 MB; 100 ns; 8191 DBs; 10000 ALARM8	CPU 417-5HT06
CPU 417-4HL01	CPU417-4H V3 --- 4 .. 20 MB; 100 ns; 8191 DBs; 10000 ALARM8	
CPU 417-4HL04	CPU417-4H V4 --- 10 MB; 30 ns; 8191 DBs; 10000 ALARM8	
CPU 417-4HT14	CPU417-4H V4.5 --- 30 MB, 18 ns; 8191 DBs; 10000 ALARM8	
	CPU417-5H/PN V6 --- 32MB; 7,5ns; 16000 DBs; 10000 ALARM8	
CPU 416 H	CPU416-5H/PN V6 --- 15MB; 12,5 ns; 16000 DBs; 10000 ALARM8	CPU 416-5HS06
	-->	
CPU 414-4HJ00	CPU414-4H V3 --- 768 kB; 100 ns; 4095 DBs; 600 ALARM8	CPU 414-5HM06
CPU 414-4HJ04	CPU414-4H V4 --- 1,4 MB; 60 ns; 4095 DBs; 1200 ALARM8	
CPU 414-4HM14	CPU414-4H V4.5 --- 1,4 MB, 45 ns; 4095 DBs; 1200 ALARM8	
	CPU414-5H/PN V6 --- 4MB; 18,75 ns; 6000 DBs; 2500 ALARM8	
CPU 412-3HJ14	CPU412-3H V4.5 --- 768 kB; 75 ns; 4095 DBs; 600 ALARM8	CPU 412-5HK06
	CPU412-5H/PN V6 --- 1MB; 31,25 ns; 6000 DBs; 600 ALARM8	

### Standard-CPU's

CPU 417-4XL00	CPU417-4 V2 --- 4 ..20 MB; 100 ns; 8191 DBs; 10000 ALARM8	CPU 417-4XT07
CPU 417-4XL01	CPU417-4 V3 --- 4 .. 20 MB; 100 ns; 8191 DBs; 10000 ALARM8	
CPU 417-4XL04	CPU417-4 V4 --- 10 MB; 30 ns; 8191 DBs; 10000 ALARM8	
CPU 417-4XT05	CPU417-4 V5 --- 30 MB, 18 ns; 8191 DBs; 10000 ALARM8	
	CPU417-4 V7 --- 32 MB, 7,5 ns; 16000 DBs; 10000 ALARM8	
CPU 416-2XL01	CPU416XL V1 --- 1,6 MB;	CPU 416-3XS07
CPU 416-3XL00	CPU416-3 V3 --- 3,2 MB; 80 ns; 4095 DBs; 1800 ALARM8	
CPU 416-3XL04	CPU416-3 V4 --- 5,6 MB; 40 ns; 4095 DBs; 1800 ALARM8	
CPU 416-3XR05	CPU416-3 V5 --- 11,2 MB; 30 ns; 10000 DBs; 1800 ALARM8	
	CPU416-3 V7 --- 16 MB; 12,5 ns; 10000 DBs; 4000 ALARM8	
CPU 416-2XK01	CPU416-2 V1 --- 0,8 MB;	CPU 416-2XP07
CPU 416-2XK02	CPU416-2 V3 --- 1,6 MB; 80 ns; 4095 DBs; 1800 ALARM8	
CPU 416-2XK04	CPU416-3 V4 --- 2,8 MB; 40 ns; 4095 DBs; 1800 ALARM8	
CPU 416-2XN05	CPU416-3 V5 --- 5,6 MB; 30 ns; 10000 DBs; 1800 ALARM8	
	CPU416-3 V7 --- 8 MB; 12,5 ns; 10000 DBs; 4000 ALARM8	
CPU 414-2XJ01	CPU414-2 V1 --- 384 kB;	CPU 414-3XM07
CPU 414-3XJ00	CPU414-3 V3 --- 768 kB; 100 ns; 4095 DBs; 600 ALARM8	
CPU 414-3XJ04	CPU414-3 V4 --- 1,4 MB, 45 ns; 4095 DBs; 600 ALARM8	
CPU 414-3XM05	CPU414-3 V5 --- 2,8 MB; 45 ns; 6000 DBs; 600 ALARM8	
	CPU414-3 V7 --- 4 MB; 18,75 ns; 6000 DBs; 1200 ALARM8	

### PN-CPU's

CPU 416-3ER05	CPU416-3PN/DP V5 --- 11,2 MB; 30 ns; 10000 DBs; 1800 ALARM8	CPU 416-3ES07
CPU 416-3ES06	CPU416-3PN/DP V6 --- 16 MB; 30 ns; 10000 DBs; 4000 ALARM8	
	CPU416-3PN/DP V7 --- 16 MB; 12,5 ns; 10000 DBs; 4000 ALARM8	
CPU 414-3EM05	CPU414-3PN/DP V5 --- 2,8 MB; 45 ns; 6000 DBs; 600 ALARM8	CPU 414-3EM07
CPU 414-3EM06	CPU414-3PN/DP V6 --- 4 MB; 45 ns; 6000 DBs; 1200 ALARM8	
	CPU414-3PN/DP V7 --- 4 MB; 18,75 ns; 6000 DBs; 1200 ALARM8	

## 2.4 Compatibility remarks

### CP443-1EX20 (industrial Ethernet)

The CP 443-1EX20, in contrast to the CP 443-1EX11, only has two RJ45 ports. The FAQ ID:34894744 describes how to connect a CP 443-1EX20 with a AUI system and the dependencies when upgrading the CP 443-1EX11 to a CP 443-1EX20, taking the CPUs into consideration.

### V6.0 H-CPU (412-5H, 414-5H, 417-5H)

If V4.x H CPUs in redundant systems are replaced by V6.0 H CPUs, both CPUs and both Sync modules must be replaced. When you use V6.0 H CPUs in SIMATIC PCS 7 versions below V8.0, please select the corresponding V4.5 or V4.0 CPU in your hardware configuration with HW Config. V6.0 H CPUs are spare part compatible without having to change the existing hardware configuration. In SIMATIC PCS 7 V7.0+SP3 and higher the DB/FB/FC blocks, the performance and the memory of the V6.0 H CPUs can be used to their full extent even with the existing V4.x configuration.

