

---

# S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3

---

Mise en route SIMATIC Manager Partie2 : Tension et Pt100 ...

S7 300 Sm331 Ai 8

SIEMENS SIMATIC SM331 GETTING STARTED Pdf Download ...

s7300\_sm331\_ai\_8x12\_bit\_getting\_started\_en-US\_en-US.pdf ...

Introduction SIMATIC S7-300 Testing the user program

Product Information - Siemens

*Test analog input module SM 331 AI 8 x 12 bit Analog Input SM331 Wiring PT100 -*

*Thermocouple - Voltage - 4-20 mA **ANALOG INPUT (AI) MODULE |PLC S7-300| S7-300***

*Modules Order Number - Video 13 Ремонт модуля SIEMENS AI 8x14bit*

---

Siemens Analog Input Fault OR Error *PLC Siemens S7 300 Training, Lesson8 Counters*

*and Comparators ANALOG OUTPUT (Unscale Instruction) S7 300 CPU 314 2DP with*

*TIA Portal #15 Installing PLC Components and Hardware Connection **ANALOG***

**OUTPUT (AO) MODULE |PLC|S7-300/400|SPECIFICATIONS| INSTALLATION|T.B**

**CONNECTIONS|IN HINDI**

---

How to Analog Hardware Installation for S7 300 | Siemens S7 300 Program | Lesson 15

---

Configure an I/O module (PLC-S7 300) *Siemens S7 300 CPU Status and LED Errors Explanation* ANALOG OUTPUT (FC 106 unscale) programming in Simatic Manager  
**Case study Bus fault in Simatic PLC S7-300 CPU S7-1200 + ET200S 17: PLC Analog Signal Scaling Concept Explained So Easy** *Analog Input | Analog Output | Adjustment | scaling | Un scaling | FC105 | FC106 | wiring | 1*

---

How to do connection of Siemens PLC (S7-200) Wiring? By Dhaka Industrial Automation ПЛК Simatic S7-300 + Модуль Softlink SM322 PLC Siemens S7-300 basic use, digital - input, output. Englisch :-)  
TREND, ANALOG INPUT, ANALOG OUTPUT, Wincc SCADA 7.3 AND Simatic Manager v.5.5 Hardware Configuration of PLC, SIMATIC S7 300 CPU ET 200S Analog to Digital Programming Use Multiply in S7 300 PLC Program | PLC Online Training | Lesson 19 Introduction Siemens Plc s7 300 and CPU 313c | Part 1 English Version **How to Analog to Analog Programming in Siemens S7 300 PLC | PLC Online Training | Lesson 16 How to Do Connection of Siemens Plc S7-300 Hardware Input and Output wiring | Part 2**

---

Analogue functions in simatic manager and winCC flexible to monitor boiler temperature S7-300 CPU communication with Extension ET200 S (IM 151-1) with Simatic Manager Profibus Plc-simatic-S7-300|software|hardware configuration|communication

S7-300 SM331;AI 8x12 Bit Getting Started Part 2: Voltage ...

S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3

Automation Sales : Siemens S7-300 Analog I/O Modules

SM331, 8AI, 9/12/14Bit - 6ES7331-7KF02-0AB0 - Industry ...

Electrical connection Getting Started Configuration with ...

S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3

S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3

6.7 Analog input module SM 331; AI 8 x 12 bit;(6ES7331 ...

Download S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3

S7-300 SM331; AI 8 x 12 Bit Getting Started part 3 ...

SM 331 analog input modules - Industry Mall - Siemens WW

Product Details - Industry Mall - Siemens WW

**S7 300 Sm331 Ai 8 X 12  
Bit Getting Started Part  
3**

**Downloaded from  
[blog.gmercyyu.edu](http://blog.gmercyyu.edu) by  
guest**

---

## CHASE BROOKS

---

Mise en route SIMATIC Manager Partie2 :  
 Tension et Pt100 ... Test analog input  
 module SM 331 AI 8 x 12 bit Analog  
 Input SM331 Wiring PT100 -  
 Thermocouple - Voltage - 4-20 mA

**ANALOG INPUT (AI) MODULE | PLC  
 S7-300 | S7-300 Modules Order Number -  
 Video 13 Ремонт модуля SIEMENS AI  
 8x14bit**

---

Siemens Analog Input Fault OR Error PLC  
 Siemens S7 300 Training, Lesson8  
 Counters and Comparators ANALOG  
 OUTPUT (Unscale Instruction) S7-300  
 CPU 314 2DP with TIA Portal #15  
 Installing PLC Components and Hardware  
 Connection **ANALOG OUTPUT (AO)  
 MODULE**

## |PLC|S7-300/400|SPECIFICATIONS| INSTALLATION|T.B CONNECTIONS|IN HINDI

---

How to Analog Hardware Installation for  
 S7 300 | Siemens S7 300 Program |  
 Lesson 15

---

Configure an I/O module (PLC-S7 300)  
 Siemens S7 300 CPU Status and LED  
 Errors Explanation ANALOG OUTPUT (FC  
 106-unscale) programming in Simatic  
 Manager **Case study Bus fault in Simatic  
 PLC S7-300 CPU S7-1200 + ET200S  
 17: PLC Analog Signal Scaling  
 Concept Explained So Easy Analog  
 Input | Analog Output | Adjustment |  
 scaling | Un scaling | FC105 | FC106 |  
 wiring | 1**

---

How to do connection of Siemens PLC (S7-200) Wiring? By Dhaka Industrial Automation [ПЛК Simatic S7-300 + Модуль Softlink SM322 PLC Siemens S7-300 basic use, digital - input, output. Englisch :-\)](#) [TREND, ANALOG INPUT, ANALOG OUTPUT, Wincc SCADA 7.3 AND Simatic Manager v.5.5 Hardware Configuration of PLC, SIMATIC S7-300 CPU ET 200S Analog to Digital Programming Use Multiply in S7-300 PLC Program | PLC Online Training | Lesson 19 Introduction Siemens Plc s7-300 and CPU 313c | Part 1 English Version](#) [How to Analog to Analog Programming in Siemens S7 300 PLC | PLC Online Training | Lesson 16](#) **How to Do Connection of Siemens Plc S7-300 Hardware Input and Output wiring | Part 2**

Analogue functions in simatic manager and winCC flexible to monitor boiler temperature *S7-300 CPU communication with Extension ET200 S (IM 151-1) with Simatic Manager Profibus Plc-simatic-S7-300|software|hardware configuration|communication* S7 300 Sm331 Ai 805/2008, Getting Started, A5E00253410-04. Siemens Industry Online Support. Siemens AGs7300\_sm331\_ai\_8x12\_bit\_getting\_started\_en-US\_en-US.pdf ...If you install thermocouples solely, you can also use the analog module SM331; AI 8 x TC with the order number 6ES7331-7PF10-0AB0. Notes on connecting this device can be found in the "S7-300 Automation System, Module data" reference manual. Mechanical setup of the example station

4.2 Mounting of analog module components S7-300 SM331; AI 8 x 12 Bit Getting Started part 3 ... 6.7 Analog input module SM 331; AI 8 x 12 bit; (6ES7331-7KF02-0AB0) S7-300 Module data Manual, 02/2013, A5E00105505-08 377 Technical specifications Technical specifications Dimensions and weight Dimensions W x H x D (mm) 40 x 125 x 117 Weight approx. 250 g Module-specific data Supports isochronous mode No Number of inputs 6.7 Analog input module SM 331; AI 8 x 12 bit; (6ES7331 ... SM331 module Front panel connector for convenient connection of the power supply and data cables. Analog module components Quantity Item Order no. 1 SM 331, Electrically ISOLATED 8 AI, ALARM DIAGNOSTICS

6ES7331-7KF02-0AB0 1 20-pin FRONT CONNECTOR with spring contacts Alternatives: - FRONT CONNECTOR WITH 20-PIN SCREW-TYPE CONTACTS S7-300 SM331; AI 8x12 Bit Getting Started Part 2: Voltage ... Product Information S7--300 Isolated Analog Input Module SM 331; AI 8 x 16 Bit 2810013--0001 Dimensions and Weight Dimensions W | H | D 40 | 125 | 120mm (1.56 | 4.88 | 4.68 in.) Weight approx. 272 g (9.6 oz.) Data for Specific Module Number of inputs 8 Length of cable: Shielded max. 200 m (218 yd.) Voltage, Currents, Potentials Product Information - Siemens 6ES7331-7KF02-0AB0 SM331, 8AI, 9/12/14Bit SIMATIC S7-300, Analog input SM 331, isolated, 8 AI, Resolution 9/12/14 bits, U/I/thermocouple/resistor, alarm, diagnostics, 1x 20-pole

Removing/inserting with active backplane bus SM331, 8AI, 9/12/14Bit - 6ES7331-7KF02-0AB0 - Industry ...6ES7331-1KF02-0AB0. Product Description. SIMATIC S7-300, Analog input SM 331, Isolated 8 AI, resolution 13 bits U/I/resistor/Pt100, NI100, NI1000, LG-NI1000, PTC/KTY, 66 ms conversion time; 1x 40-pole. Product family. Product Details - Industry Mall - Siemens WW You have the analog input module SM331, AI8x12 Bit (order number 6ES7 331-7KF02-0AB0) available. The module is diagnostic and hardware interrupt capable and can process up to 8 analog inputs. The module is diagnostic and hardware interrupt capable and can process up to 8 analog inputs (e.g. 4- 20 mA; PT 100; thermocouple). &38 60 9 '&Introduction SIMATIC S7-300 Testing

the user program Siemens Industry Catalog - Automation technology - Automation systems - SIMATIC Industrial Automation Systems - Controllers - Advanced Controllers - S7-300 - I/O modules - Analog modules - SM 331 analog input modules SM 331 analog input modules - Industry Mall - Siemens WW Mise en route SM331 AI 8x12 bits Partie 2: Pt100 et tension A5E00264162-01 2 ... 1 PROFILE-SUPPORT SIMATIC S7-300, L=530MM 6ES7390-1AF30-0AA0 1 Console de programmation (PG) avec interface MPI et câble MPI ou PC avec carte interface équivalente suivant le matériel .Mise en route SIMATIC Manager Partie2 : Tension et Pt100 ...the s7 300 sm331 ai 8 x 12 bit getting started part 3 leading in experience. You can locate out the

pretension of you to create proper support of reading style. Well, it is not an easy inspiring if you in reality complete not later reading. It will be worse. But, this scrap book will guide you to character swing of what you can setting so.S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3Mounting the sample station Before you can use the analog input module SM331, you need a basic setup of general SIMATIC S7-300 components. Page 11 Graphics Description Connect the bus connector (delivered with the SM331) to the left connector on the back of the CPU Mounting the CPU: • Hang the CPU to the top end of the rail • Push it all the way left to the power supply •...SIEMENS SIMATIC SM331 GETTING STARTED Pdf Download ...Oct 18 2020 S7-300-Sm331-

Ai-8-X-12-Bit-Getting-Started-Part-3 2/3 PDF Drive - Search and download PDF files for free. information on SM 331; AI 8 x 13 Bit Using the module The spare parts of the SM 331-1KF02 are compatible with the SM 331 ...S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 37 Getting Started SM331 AI 8x12bit Part1: 4-20mA A5E00253410 You will be guided through these steps • Mechanical setup of the sample station (see chapter 4) General mounting instructions for S7-300 modules Configuration of the SM331 for the two selected measurement transducer types • Electrical wiring of the sample station (see chapter 5)Electrical connection Getting Started Configuration with ...S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 - Bookmark File PDF S7 300 Sm331 Ai 8 X



12 Bit Getting Started Part 3 of the words dictions and how the author conveys the proclamation and lesson to the readers are agreed simple to S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 the s7 300 sm331 ai 8 x 12 bit getting started part 3 leading in experience You can locate out the pretension of you to create proper support of reading style Well, it is not an easy inspiring if you in reality complete not later reading It will be worse But, this scrap book Download S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 Product Number: Description: RRP\* Our Price\* 6ES7331-1KF02-0AB0: 6ES7331-1KF02-0AB0: SM331 8x AI, 13 bits, multirange, enhanced version: \$0.00-6ES7331-7KF02-0AB0 Automation

Sales : Siemens S7-300 Analog I/O Modules S7-300 SM331; AI 8 x 12 Bit Getting Started Teil 3: Thermoelemente Getting Started 11/2006 A5E00264192-02 . Sicherheitshinweise Dieses Handbuch enthält Hinweise, die Sie zu Ihrer persönlichen Sicherheit sowie zur Vermeidung von Sachschäden beachten müssen. 05/2008, Getting Started, A5E00253410-04. Siemens Industry Online Support. Siemens AG S7 300 Sm331 Ai 8 6ES7331-1KF02-0AB0. Product Description. SIMATIC S7-300, Analog input SM 331, Isolated 8 AI, resolution 13 bits U/I/resistor/Pt100, NI100, NI1000, LG-NI1000, PTC/KTY, 66 ms conversion time; 1x 40-pole. Product family. SIEMENS SIMATIC SM331 GETTING

STARTED Pdf Download ...

the s7 300 sm331 ai 8 x 12 bit getting started part 3 leading in experience. You can locate out the pretension of you to create proper support of reading style. Well, it is not an easy inspiring if you in reality complete not later reading. It will be worse. But, this scrap book will guide you to character swing of what you can setting so.

**s7300\_sm331\_ai\_8x12\_bit\_getting\_started\_en-US\_en-US.pdf ...**

S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 - Bookmark File PDF S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 of the words dictions and how the author conveys the proclamation and lesson to the readers are agreed simple to

Introduction SIMATIC S7-300 Testing the

user program

Product Number: Description: RRP\* Our Price\* 6ES7331-1KF02-0AB0:

6ES7331-1KF02-0AB0: SM331 8x AI, 13 bits, multirange, enhanced version: \$0.00-6ES7331-7KF02-0AB0

Product Information - Siemens

Siemens Industry Catalog - Automation technology - Automation systems - SIMATIC Industrial Automation Systems - Controllers - Advanced Controllers - S7-300 - I/O modules - Analog modules - SM 331 analog input modules

***Test analog input module SM 331 AI 8 x 12 bit Analog Input SM331***

***Wiring PT100 - Thermocouple -***

***Voltage - 4-20 mA ANALOG INPUT***

***(AI) MODULE |PLC S7-300| S7-300***

***Modules Order Number - Video 13***

***Ремонт модуля SIEMENS AI 8x14bit***

---

**Siemens Analog Input Fault OR Error PLC Siemens S7 300 Training, Lesson8 Counters and Comparators ANALOG OUTPUT (Unscale Instruction) S7 300 CPU 314-2DP with TIA Portal #15 Installing PLC Components and Hardware Connection ANALOG OUTPUT (AO) MODULE |PLC|S7-300/400|SPECIFICATIONS|INSTALLATION|T.B CONNECTIONS|IN HINDI**

---

**How to Analog Hardware Installation for S7 300 | Siemens S7 300 Program | Lesson 15**

---

**Configure an I/O module (PLC-S7 300) Siemens S7 300 CPU Status**

**and LED Errors Explanation ANALOG OUTPUT (FC 106 unscale) programming in Simatic Manager Case study Bus fault in Simatic PLC S7-300 CPU S7-1200 + ET200S 17: PLC Analog Signal Scaling Concept Explained So Easy Analog Input | Analog Output | Adjustment | scaling | Un scaling | FC105 | FC106 | wiring | 1**

---

**How to do connection of Siemens PLC (S7-200) Wiring? By Dhaka Industrial Automation ПЛК Simatic S7-300 + Модуль Softlink SM322 PLC Siemens S7-300 basic use, digital - input, output. Englisch :-)**  
**TREND, ANALOG INPUT, ANALOG OUTPUT, Wincc SCADA 7.3 AND Simatic Manager v.5.5 Hardware**

**Configuration of PLC ,SIMATIC S7 300 CPU ET 200S Analog to Digital Programming Use Multiply in S7 300 PLC Program | PLC Online Training | Lesson 19 Introduction Siemens Plc s7 300 and CPU 313c | Part 1 English Version **How to Analog to Analog Programming in Siemens S7 300 PLC | PLC Online Training | Lesson 16 How to Do Connection of Siemens Plc S7-300 Hardware Input and Output wiring | Part 2****

**Analogue functions in simatic manager and winCC flexible to monitor boiler temperature S7-300 CPU communication with Extension ET200 S (IM 151-1) with Simatic Manager Profibus Plc-simatic- S7-300|software| hardware**

**configuration|communication**

Product Information S7--300 Isolated Analog Input Module SM 331; AI 8 x 16 Bit 2810013--0001 Dimensions and Weight Dimensions W | H | D 40 | 125 | 120mm (1.56 | 4.88 | 4.68 in.) Weight approx. 272 g (9.6 oz.) Data for Specific Module Number of inputs 8 Length of cable:Shielded max. 200 m (218 yd.) Voltage, Currents, Potentials S7-300 SM331;AI 8x12 Bit Getting Started Part 2: Voltage ...  
6.7 Analog input module SM 331; AI 8 x 12 bit;(6ES7331-7KF02-0AB0) S7-300 Module data Manual, 02/2013, A5E00105505-08 377 Technical specifications Technical specifications Dimensions and weight Dimensions W x H x D (mm) 40 x 125 x 117 Weight approx. 250 g Module-specific data

Supports isochronous mode No Number of inputs

*S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3*

SM331 module Front panel connector for convenient connection of the power supply and data cables. Analog module components Quantity Item Order no. 1 SM 331, Electrically ISOLATED 8 AI, ALARM DIAGNOSTICS

6ES7331-7KF02-0AB0 1 20-pin FRONT CONNECTOR with spring contacts Alternatives: - FRONT CONNECTOR WITH 20-PIN SCREW-TYPE CONTACTS

### **Automation Sales : Siemens S7-300 Analog I/O Modules**

If you install thermocouples solely, you can also use the analog module SM331; AI 8 x TC with the order number 6ES7331-7PF10-0AB0. Notes on

connecting this device can be found in the "S7-300 Automation System, Module data" reference manual. Mechanical setup of the example station 4.2

Mounting of analog module components SM331, 8AI, 9/12/14Bit -

6ES7331-7KF02-0AB0 - Industry ...

6ES7331-7KF02-0AB0 SM331, 8AI, 9/12/14Bit SIMATIC S7-300, Analog input SM 331, isolated, 8 AI, Resolution 9/12/14 bits, U/I/thermocouple/resistor, alarm, diagnostics, 1x 20-pole Removing/inserting with active backplane bus

*Electrical connection Getting Started Configuration with ...*

Mounting the sample station Before you can use the analog input module SM331, you need a basic setup of general SIMATIC S7-300 components. Page 11

Graphics Description Connect the bus connector (delivered with the SM331) to the left connector on the back of the CPU Mounting the CPU: • Hang the CPU to the top end of the rail • Push it all the way left to the power supply •...

*S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3*

*S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3 the s7 300 sm331 ai 8 x 12 bit getting started part 3 leading in experience You can locate out the pretension of you to create proper support of reading style Well, it is not an easy inspiring if you in reality complete not later reading It will be worse But, this scrap book*

*S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3*

### **6.7 Analog input module SM 331; AI**

### **8 x 12 bit;(6ES7331 ...**

*S7-300 SM331; AI 8 x 12 Bit Getting Started Teil 3: Thermoelemente Getting Started 11/2006 A5E00264192-02 . Sicherheitshinweise Dieses Handbuch enthält Hinweise, die Sie zu Ihrer persönlichen Sicherheit sowie zur Vermeidung von Sachschäden beachten müssen.*

*Download S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3*

*Mise en route SM331 AI 8x12 bits Partie 2: Pt100 et tension A5E00264162-01 2 ... 1 PROFILE-SUPPORT SIMATIC S7-300, L=530MM 6ES7390-1AF30-0AA0 1 Console de programmation (PG) avec interface MPI et câble MPI ou PC avec carte interface équivalente suivant le matériel .*

*S7-300 SM331; AI 8 x 12 Bit Getting*

*Started part 3 ...*

7 Getting Started SM331 AI 8x12bit  
Part1: 4-20mA A5E00253410 You will be guided through these steps • Mechanical setup of the sample station (see chapter 4) General mounting instructions for S7-300 modules Configuration of the SM331 for the two selected measurement transducer types • Electrical wiring of the sample station (see chapter 5)

### **SM 331 analog input modules - Industry Mall - Siemens WW**

You have the analog input module SM331, AI8x12 Bit (order number 6ES7 331-7KF02-0AB0) available. The module is diagnostic and hardware interrupt capable and can process up to 8 analog inputs. The module is diagnostic and hardware interrupt capable and can process up to 8 analog inputs (e.g. 4- 20

mA; PT 100; thermocouple). &38 60 9 '&  
*Product Details - Industry Mall - Siemens WW*

Oct 18 2020 S7-300-Sm331-Ai-8-X-12-Bit-Getting-Started-Part-3 2/3 PDF Drive - Search and download PDF files for free. information on SM 331; AI 8 x 13 Bit Using the module The spare parts of the SM 331-1KF02 are compatible with the SM 331 ...

*Test analog input module SM 331 AI 8 x 12 bit Analog Input SM331 Wiring PT100 - Thermocouple - Voltage - 4-20 mA*

**ANALOG INPUT (AI) MODULE |PLC S7-300| S7-300 Modules Order Number - Video 13 Ремонт модуля SIEMENS AI 8x14bit**

Siemens Analog Input Fault OR Error PLC  
*Siemens S7 300 Training, Lesson8*

Counters and Comparators ANALOG  
OUTPUT (Unscale Instruction) S7-300  
CPU-314-2DP with TIA Portal #15  
Installing PLC Components and Hardware  
Connection **ANALOG OUTPUT (AO)**

### MODULE

**|PLC|S7-300/400|SPECIFICATIONS|  
INSTALLATION|T.B CONNECTIONS|IN  
HINDI**

How to Analog Hardware Installation for  
S7-300 | Siemens S7-300 Program |  
Lesson 15

Configure an I/O module (PLC-S7-300)  
*Siemens S7-300 CPU Status and LED*  
*Errors Explanation ANALOG-OUTPUT (FC*  
*106-unscale) programming in Simatic*  
*Manager* **Case study Bus fault in Simatic**  
**PLC S7-300 CPU S7-1200 + ET200S**

## 17: PLC Analog Signal Scaling

**Concept Explained So Easy** *Analog*  
*Input | Analog Output | Adjustment |*  
*scaling | Un scaling | FC105 | FC106 |*  
*wiring | 1*

How to do connection of Siemens PLC  
(S7-200) Wiring? By Dhaka Industrial  
Automation **ПЛК Simatic S7-300 +**  
**Модуль Softlink SM322 PLC Siemens**  
**S7-300 basic use, digital - input, output.**  
**English :-)** TREND, ANALOG-INPUT,  
ANALOG-OUTPUT, WinCC-SCADA 7.3  
AND Simatic Manager v.5.5 Hardware  
Configuration of PLC, SIMATIC S7-300  
CPU-ET-200S Analog-to-Digital  
Programming Use Multiply in S7-300 PLC  
Program | PLC-Online-Training | Lesson  
19 Introduction Siemens-Plc-s7-300-and  
CPU-313c | Part-1-English-Version **How to**



Analog to Analog Programming in  
Siemens S7 300 PLC | PLC Online  
Training | Lesson 16 **How to Do  
Connection of Siemens Plc S7-300  
Hardware Input and Output wiring |  
Part 2**

---

Analogue functions in simatic manager  
and winCC flexible to monitor boiler  
temperature *S7-300 CPU communication  
with Extension ET200 S (IM 151-1) with  
Simatic Manager Profibus Plc-simatic-  
S7-300|software|hardware  
configuration|communication*

Related with S7 300 Sm331 Ai 8 X 12 Bit Getting Started Part 3:

- Hanna Barbera Style Guide : [click here](#)