

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SIMATIC S7

6ES7650-8BK60-1AA0

ISOLATED ANALOG OUTPUT MODULE

Used with the applicable ET 200PA SMART distributed I/O configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

8.2 AO

Product name	Article no.	Brief description	Properties (Page 139)			
			F	C	R	T
AO8 Diag	6ES7 650-8BK60-0AA0 (as of product version 3)	Analog output module 8 AO; with voltage output; with diagnostics	W SM	O	C	
AO8 Diag	6ES7 650-8BK60-1AA0 (as of product version 3)	Analog output module 8 AO; with voltage output; with diagnostics; variant with protective coating	W SM	O	C	
AO8 Diag	6ES7 650-8BK60-0AA0	Analog output module 8 AO; with diagnostics	W SM	O	C	
AO8 Diag	6ES7 650-8BK60-1AA0	Analog output module 8 AO; with diagnostics; version with protective coating	W SM	O	C	
AO8 HART	6ES7 650-8BT60-0AA0	Analog output module 8 AO HART; 16 Bit 0/4...20mA; with diagnostics; with HART communication; redundancy	W SM	O	C	
AO8 HART	6ES7 650-8BT60-1AA0	Analog output module 8 AO HART; 16 Bit 0/4...20mA; with diagnostics; with HART communication; redundancy version with protective coating	W SM	O	C	

8.3 DI

Product name	Article no.	Brief description	Properties (Page 139)			
			F	C	R	T
DI32	6ES7 650-8DK80-0AA0	Digital input module 32 DI; DC 24 V	W SM	O	M	
DI32	6ES7 650-8DK80-1AA0	Digital input module 32 DI; DC 24 V; version with protective coating	W SM	O	M	
DI16	6ES7 650-8DK70-0AA0	Digital input module 16 DI; DC 24 V; with diagnostics	W SM	O	C	
DI16	6ES7 650-8DK70-1AA0	Digital input module 16 DI; DC 24 V; with diagnostics; version with protective coating	W SM	O	C	

SIMATIC

Process Control System PCS 7 Released Modules (V10.0)

List Manual

valid for PCS 7 as of V10.0

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Legal information

Warning notice system

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 only to property damage have no safety alert symbol. These 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

indicates that minor personal injury can result if proper precautions are not taken.

NOTICE

indicates that property damage can result if proper precautions are not taken.

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 product/system described in this documentation may be operated only by **personnel qualified** for the specific task in accordance with the relevant documentation, in particular its warning notices and safety instructions. Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.

Proper use of Siemens products

Note the following:

WARNING

Siemens products may only be used for the applications described in the catalog and in the relevant technical documentation. If products and components from other manufacturers are used, these must be recommended or approved by Siemens. Proper transport, storage, installation, assembly, commissioning, operation and maintenance are required to ensure that the products operate safely and without any problems. The permissible ambient conditions must be complied with. The information in the relevant documentation must be observed.

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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.