

6ES7223-1BL22-0XA0

SIMATIC S7-200 EM223 Digital I/O Module

PRODUCT TECHNICAL REFERENCE

Siemens 6ES7223-1BL22-0XA0 is a SIMATIC S7-200 EM223 digital input/output expansion module for S7-22X CPUs. It adds sixteen 24 VDC sink/source inputs and sixteen 24 VDC source transistor outputs to the configured controller.

OFFICIAL SOURCE

SIMATIC S7-200 EM223 Product Data Sheet | Siemens Industry Mall article
6ES7223-1BL22-0XA0

Verified technical profile

SIMATIC S7-200 EM223 Digital I/O Module

Product family	SIMATIC S7-200
Module type	EM223 digital I/O
Compatible CPUs	S7-22X
Digital inputs	16
Input voltage	24 VDC sink/source
Digital outputs	16
Output voltage	24 VDC source
Output current	0.75 A per channel
Product status	Cancelled since 01 October 2017
Net weight	0.323 kg

Only values traceable to the listed manufacturer source are treated as verified technical data.

System role and engineering boundaries

Siemens 6ES7223-1BL22-0XA0 is a SIMATIC S7-200 EM223 digital input/output expansion module for S7-22X CPUs. It adds sixteen 24 VDC sink/source inputs and sixteen 24 VDC source transistor outputs to the configured controller.

1

Adds sixteen 24 VDC sink/source inputs

2

Adds sixteen 24 VDC source transistor outputs

3

Provides combined discrete expansion for S7-22X CPUs

4

Supports documented maintenance of installed S7-200 systems

ENGINEERING NOTE

Install 6ES7223-1BL22-0XA0 only in a documented S7-22X expansion arrangement and isolate the 24 VDC field supply before wiring. Restore the input commons, source-output groups and STEP 7 Micro/WIN configuration, then prove each affected channel before machine release.

Industrial application matrix

Four source-supported operating contexts for this exact product.

Compact machine I/O expansion

Adds a balanced group of sensor inputs and actuator outputs to an S7-200 controller.

Conveyor and handling control

Provides discrete field interfaces for interlocks, position feedback and commanded devices.

Packaging equipment maintenance

Restores a combined input/output expansion position in an installed S7-22X system.

Legacy S7-200 replacement

Supports controlled like-for-like service where the EM223 article number and project configuration are preserved.

Related-series navigation

Eight verified Apter Power product pages, kept separate from the manufacturer source record.

RELATED APTER POWER SERIES PAGES	
01	6DD1683-0CH0 SIMATIC TDC interface
02	6AU1455-2AD00-0AA0 SIMOTION controller
03	6AV6643-0CD01-1AX1 SIMATIC HMI
04	6ES7314-6BH04-0AB0 S7-300 CPU
05	6ES7315-2EG10-0AB0 S7-300 CPU
06	6ES7321-1BL00-0AA0 digital input module
07	6ES7153-2BA02-0XB0 ET 200M interface
08	6ES7215-1BG40-0XB0 S7-1200 CPU

Navigation links only - not manufacturer evidence for technical parameters.

SOURCE RECORD

SIMATIC S7-200 EM223 Product Data Sheet | Siemens Industry Mall article 6ES7223-1BL22-0XA0

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