

APTER POWER PRODUCT MANUAL

6ES7143-3BH00-0XA0

SIMATIC ET 200eco BM 143 Digital I/O Module

The Siemens 6ES7143-3BH00-0XA0 is a SIMATIC DP ET 200eco BM 143 basic module with eight digital inputs, eight 2 A digital outputs, eight M12 connections, duplicate assignment, and IP65/IP67 protection.

It exchanges local binary sensor and actuator signals with a PROFIBUS DP automation station while providing rugged decentralized connectivity near the machine. The separately ordered Siemens connection block, correct M12 field cables, 24 V load supply, and PROFIBUS configuration complete the station for conveyors, assembly cells, packaging lines, and material-handling equipment.

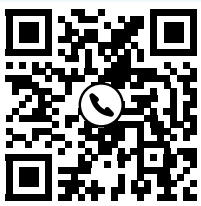
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Rugged M12-connected I/O for distributed PROFIBUS machines.

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SCAN FOR PRODUCT & QUOTE
6ES7143-3BH00-0XA0

1. Product Overview and Identity

The Siemens 6ES7143-3BH00-0XA0 is a SIMATIC DP ET 200eco BM 143 basic module with eight digital inputs, eight 2 A digital outputs, eight M12 connections, duplicate assignment, and IP65/IP67 protection.

It exchanges local binary sensor and actuator signals with a PROFIBUS DP automation station while providing rugged decentralized connectivity near the machine. The separately ordered Siemens connection block, correct M12 field cables, 24 V load supply, and PROFIBUS configuration complete the station for conveyors, assembly cells, packaging lines, and material-handling equipment.

Model Configuration

Field	Verified information
Complete model	6ES7143-3BH00-0XA0
Manufacturer	Siemens
Product description	SIMATIC ET 200eco BM 143 Digital I/O Module

Key Features

- Exact Siemens MLFB 6ES7143-3BH00-0XA0
- SIMATIC ET 200eco BM 143 Digital I/O Module
- 8
- 8, rated 2 A
- Model-specific lifecycle, weight, dimensions, and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SIMATIC DP ET 200eco BM 143 basic module
Digital inputs	8
Digital outputs	8, rated 2 A
Field connections	8 x M12, duplicate assignment
Degree of protection	IP65/IP67
Required accessory	Connection block 6ES7194-3AA00-0.A0 ordered separately
Siemens net weight	0.235 kg
Siemens packaging dimensions	7.0 x 21.0 x 3.8 cm
Country of origin	Germany
Lifecycle	PM410; product cancelled since 1 October 2022; spare-part status

Verification Note

Use the complete 6ES7143-3BH00-0XA0 identifier. Siemens records product cancellation for 6ES7143-3BH00-0XA0 from 1 October 2022 and identifies it as a spare-part product. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It exchanges local binary sensor and actuator signals with a PROFIBUS DP automation station while providing rugged decentralized connectivity near the machine. The separately ordered Siemens connection block, correct M12 field cables, 24 V load supply, and PROFIBUS configuration complete the station for conveyors, assembly cells, packaging lines, and material-handling equipment.
- Maintains the documented SIMATIC DP ET 200eco distributed I/O role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
Conveyor I/O	Connects local sensors and 2 A actuators along material flow equipment
Assembly cells	Places rugged digital I/O close to tooling and fixtures
Packaging machinery	Reduces cabinet wiring by distributing M12-connected inputs and outputs
Washdown-adjacent automation	Uses IP65/IP67 construction only with correctly sealed connectors

Compatible Components

- Siemens connection block 6ES7194-3AA00-0.A0 matching the module version
- PROFIBUS DP master and project containing the exact ET 200eco article
- M12 sensor and actuator cables with the documented pin assignments
- 24 V DC load supply, grounding, addressing, and protective devices for the field station

Lifecycle Status

Siemens records product cancellation for 6ES7143-3BH00-0XA0 from 1 October 2022 and identifies it as a spare-part product.

4. Installation Precautions

- Connection block: Order and verify the required 6ES7194-3AA00-0.A0 accessory separately
- Sealing: Fit approved M12 connectors and protective caps to preserve IP65/IP67
- Output load: Check each actuator current, total load, inrush, and external protection
- PROFIBUS: Preserve station address, bus termination, cable, baud rate, and GSD configuration
- Commissioning: Test every input, output, duplicate assignment, diagnostic, and emergency function

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product record for 6ES7143-3BH00-0XA0:

<https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product/6ES7143-3BH00-0XA0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7143-3bh00-0xa0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.