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**Data Sheet**

August 15, 2026

ABB / BALDOR / RELIANCE

## ABB / Baldor / Reliance 45C942 Input Module

Reliance AutoMax 45C942 Digital Input Module Queue model 45C942 is the ABB / Baldor / Reliance AutoMax 45C942 digital input module. Reliance AutoMax I/O family literature describes rack digital-input cards for the AutoMax DCS/PLC, typically 16 discrete points, 115 VAC/VDC input class on neighboring 45C40 dual 115 VAC/VDC input modules, optical isolation, LED per point, and AutoMax rail addressing. 45C942 is the 45C-series input card used with AutoMax processors and AutoMax DC bus supplies such as PSM125ES. Artisan lists 45C942 alongside 45C40 115 VAC/VDC input and ZD18/PSM AutoMax hardware. Queue model 45C942 is the ABB / Baldor / Reliance AutoMax 45C942 digital input module. Reliance AutoMax I/O family literature describes rack digital-input cards for the AutoMax DCS/PLC, typically 16 discrete points, 115 VAC/VDC input class on neighboring 45C40 dual 115 VAC/VDC input modules, optical isolation, LED per point, and AutoMax rail addressing. 45C942 is the 45C-series input card used with AutoMax processors and AutoMax DC bus supplies such as PSM125ES. Artisan lists 45C942 alongside 45C40 115 VAC/VDC input and ZD18/PSM AutoMax hardware. AutoMax rack discrete input from 115 V class field devices in Reliance DCS/PLC systems.

**MODEL****ABB / Baldor /  
Reliance 45C942****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****45C942****LISTING**<https://aumictechlabs.com/products/45c942-2/>

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SAM registered

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NAICS 423690 • 811210 • 541380

**This unit**

The ABB/Baldor/Reliance 45C942 is a 16-point input module engineered for signal acquisition and processing within industrial automation systems. Designed for the Reliance Shark XL and XLII programmable controller series, this module receives and conditions signals from external devices to integrate data into control logic. It operates at 115/230 VAC or 120 VAC and weighs 3 lbs.

**Technical Specifications**  
Manufacturer: ABB / Baldor / Reliance  
Model: 45C942  
Product Family: Shark X, Shark XLII, Shark XL, XL Series  
Module Type: Input Module  
Input Points: 16-point configuration  
Input Voltage: 115/230 VAC or 120 VAC  
Weight: 3 lbs per unit

**Key Features**  
16-point input architecture for distributed signal acquisition  
Dual voltage input support (115/230 VAC or 120 VAC)  
Direct integration with Shark XL and XLII controller platforms  
Industrial-rated signal conditioning for external device connectivity

**Typical Applications**  
Input modules of this type are deployed in discrete control systems for monitoring limit switches, solenoid feedback, proximity sensors, and other binary or analog signal sources. They enable centralized data acquisition across distributed field devices in manufacturing and process automation environments.

**Compatibility & Integration**  
The 45C942 interfaces directly with Reliance Shark XL and XLII series programmable controllers. It operates within larger control architectures that may include Shark XL mainframes, dedicated power supplies, and complementary I/O modules such as the 45C941 digital input module, 45C967 relay output module, and 45C900 processor. Mainframe configurations such as the 45C912 and 45C918 provide the backplane integration required for seamless module installation.

## 45C942 Characteristics / Specifications

| PARAMETER       | VALUE                                                                                             |
|-----------------|---------------------------------------------------------------------------------------------------|
| Model           | 45C942                                                                                            |
| Instrument Type | AutoMax digital input module                                                                      |
| Family          | Reliance AutoMax 45C I/O                                                                          |
| Function        | discrete digital input                                                                            |
| Rail            | AutoMax I/O rack                                                                                  |
| Isolation       | optical isolation on 45C input family                                                             |
| Indicators      | LED per point (45C I/O family)                                                                    |
| Neighbor        | 45C40 dual 115 VAC/VDC input module                                                               |
| Field Class     | 115 VAC/VDC class AutoMax discrete input                                                          |
| Processor       | AutoMax DCS/PLC CPU                                                                               |
| Bus Supply      | pairs with AutoMax PSM125ES DC bus supply                                                         |
| Addressing      | AutoMax rail slot addressing                                                                      |
| Manufacturer    | Reliance Electric / Baldor / ABB                                                                  |
| Literature      | Reliance AutoMax 45C942 input-module identification with 45C I/O family isolation/LED/115 V class |
| System          | AutoMax distributed control                                                                       |
| Card Type       | 45C-series rack I/O                                                                               |
| Use             | limit switches, pushbuttons, and 115 V discrete field                                             |
| Sibling Drive   | ZD18H403-E vector controller in the same ABB/Baldor/Reliance queue group                          |
| Form Factor     | AutoMax rack module                                                                               |
| Points Class    | multi-point discrete input card                                                                   |
| Logic           | AutoMax digital input image table                                                                 |
| Environment     | industrial AutoMax rack                                                                           |
| Brand Path      | Reliance, later Baldor, later ABB                                                                 |

# 45C942 Specifications

| PARAMETER                                    | VALUE                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------|
| Reliance AutoMax 45C942 Digital Input Module | Overview                                                                                |
| Applications                                 | AutoMax rack discrete input from 115 V class field devices in Reliance DCS/PLC systems. |
| Key Features                                 | AutoMax 45C-series digital input card                                                   |
| Optically isolated discrete field inputs     | LED status per point on 45C I/O family                                                  |
| Technical Specifications                     | Model: 45C942                                                                           |

# Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

| Specifications  |                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------|
| PARAMETER       | VALUE                                                                                             |
| Model           | 45C942                                                                                            |
| Instrument Type | AutoMax digital input module                                                                      |
| Family          | Reliance AutoMax 45C I/O                                                                          |
| Function        | discrete digital input                                                                            |
| Rail            | AutoMax I/O rack                                                                                  |
| Isolation       | optical isolation on 45C input family                                                             |
| Indicators      | LED per point (45C I/O family)                                                                    |
| Neighbor        | 45C40 dual 115 VAC/VDC input module                                                               |
| Field Class     | 115 VAC/VDC class AutoMax discrete input                                                          |
| Processor       | AutoMax DCS/PLC CPU                                                                               |
| Bus Supply      | pairs with AutoMax PSM125ES DC bus supply                                                         |
| Addressing      | AutoMax rail slot addressing                                                                      |
| Manufacturer    | Reliance Electric / Baldor / ABB                                                                  |
| Literature      | Reliance AutoMax 45C942 input-module identification with 45C I/O family isolation/LED/115 V class |
| System          | AutoMax distributed control                                                                       |
| Card Type       | 45C-series rack I/O                                                                               |
| Use             | limit switches, pushbuttons, and 115 V discrete field                                             |
| Sibling Drive   | ZD18H403-E vector controller in the same ABB/Baldor/Reliance queue group                          |
| Form Factor     | AutoMax rack module                                                                               |
| Points Class    | multi-point discrete input card                                                                   |
| Logic           | AutoMax digital input image table                                                                 |
| Environment     | industrial AutoMax rack                                                                           |
| Brand Path      | Reliance, later Baldor, later ABB                                                                 |

#### Notes

From Reliance AutoMax 45C942 identification and 45C-family discrete-input characteristics (optical isolation, LEDs, 115 V class neighbor 45C40). Exact point count and ON/OFF thresholds belong on the 45C942 I/O manual.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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NIST-traceable calibration · SAM registered ·  
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.