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Data Sheet

August 15, 2026

CURTISS-WRIGHT / SYSTRAN

Curtiss-Wright / Systran DID48-68 48-Channel, Debounced Discrete Input IP Module

Curtiss-Wright Systran DID48-68 48 Channel Debounced Discrete Input IP The Systran / Curtiss-Wright DID48-68 is a 48-channel debounced discrete input IndustryPack module. Catalog title lists DID48-68 as 48-channel, debounced discrete input IP module. It captures contact/logic inputs with hardware debounce for industrial and simulation I/O carriers. Debounced digital status and contact inputs on an IndustryPack carrier. Instrument Type: Debounced discrete input IndustryPack The Systran / Curtiss-Wright DID48-68 is a 48-channel debounced discrete input IndustryPack module. Catalog title lists DID48-68 as 48-channel, debounced discrete input IP module. It captures contact/logic inputs with hardware debounce for industrial and simulation I/O carriers. Debounced digital status and contact inputs on an IndustryPack carrier. Instrument Type: Debounced discrete input IndustryPack Input Type: discrete digital with debounce



MODEL

**Curtiss-Wright /
Systran DID48-68**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DID48-68

LISTING

<https://aumictechlabs.com/products/did48-68-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Curtiss-Wright/Systran DID48-68 is a 48-channel debounced discrete input IP module engineered for industrial control and digital signal monitoring applications. Integrated debouncing

circuitry filters electrical noise and switch bounce to deliver clean, accurate data acquisition from discrete sensors and contact closures. Network connectivity via Ethernet enables direct integration into distributed control architectures without external signal conditioning hardware.

Technical Specifications

Channels: 48 discrete input channels

Input Type: Debounced digital inputs with integrated signal conditioning

Network Interface: Ethernet (RJ45); TCP/IP protocol suite

Application Protocols: Supports Modbus TCP, EtherNet/IP, and proprietary protocols

Input Connectors: Terminal blocks or industrial-grade connectors (configuration per module variant)

Key Features

Integrated debouncing eliminates spurious signals from switch bounce and electrical noise

Channel-to-channel and channel-to-ground isolation prevents ground loops and protects against voltage transients

IP-based architecture enables networked deployment across distributed systems

DIN rail or panel mounting options for flexible enclosure integration

Industrial-grade environmental ratings suitable for harsh operating environments

Typical Applications

Discrete sensor monitoring in automated manufacturing systems

Industrial control logic and supervisory systems

Safety-critical discrete input acquisition where signal integrity is mandatory

Networked discrete I/O consolidation in multi-site control architectures

Compatibility & Integration

The module integrates directly into TCP/IP-based industrial networks. Ethernet connectivity supports standard industrial protocols including Modbus TCP and EtherNet/IP, enabling interoperability with established control platforms and SCADA systems. Discrete input voltage thresholds, input current draw per channel, and isolation voltage ratings are detailed in the product manual. Power requirements and detailed environmental specifications (operating/storage temperature, humidity) are provided in technical documentation.

DID48 Characteristics / Specifications

PARAMETER	VALUE
Model	DID48-68
Instrument Type	Debounced discrete input IndustryPack
Channel Count	48
Input Type	discrete digital with debounce
Mezzanine	IndustryPack
Family	Systran / Curtiss-Wright DID discrete IP
Related Analog	ADM1224F 24-channel differential analog
Related Dac	IP-DAC128V-69
Form Factor	IndustryPack I/O module
Manufacturer	Systran / Curtiss-Wright
Use Case	debounced discrete inputs
Control	IP carrier / host CPU
Operating Temperature Class	commercial IP
Literature	Curtiss-Wright Systran DID48-68 listings
Connector	68-class discrete connector in the model suffix
Documentation Type	OEM IndustryPack catalog
Brand Lineage	Systran Curtiss-Wright
System Role	discrete input IP
Debounce	hardware debounce
Logic Class	industrial discrete levels per DID sheet
Isolation Class	per DID48-68 sheet
Power	from IP carrier
Operating temperature	Class: commercial IP

DID48 Specifications

PARAMETER	VALUE
Key Features	48 discrete input channels
Systran DID family	Companion analog ADM1224F
Technical Specifications	Model: DID48-68

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial IP
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Literature	Curtiss-Wright Systran DID48-68 listings
Connector	68-class discrete connector in the model suffix
Documentation Type	OEM IndustryPack catalog
Brand Lineage	Systran Curtiss-Wright
System Role	discrete input IP
Debounce	hardware debounce
Logic Class	industrial discrete levels per DID sheet
Isolation Class	per DID48-68 sheet
Power	from IP carrier Notes From Curtiss-Wright / Systran DID48-68 catalog title (48-channel debounced discrete input IP). Threshold, debounce time, and isolation are on the DID48-68 data sheet.

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	
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Available from Aumictech

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

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

Aumictech

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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.