

INDUSTRIAL COMPONENT DATA

CS1W-MD291 CS1W3005G CS1WMD291CHN OMRON Module 48/48 I/O NPN

Brand: OMRON | Manufacturer Part Number: CS1W-MD291



Manufacturer	OMRON
MPN / Reference	CS1W-MD291
Catalog number	CS1WMD291CHN
Category	PLC digital I/O-module
Minimum order	1 Pcs
Document ID	EO-B95099B8B8
Generated	2026-08-01

Product Overview

Module 48/48 I/O NPN

Digital I/O unit, 48 x 24 VDC inputs, 48 x transistor outputs, NPN, 0.1 A, 12-24 VDC

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path OMRON > Control Systems > CS1

Additional Product Information

CS-Series digital I/O units Rack PLC

Up to 96 I/O points per unit - input, output or mixed

Digital I/O units serve as the PLC's interface to achieve fast, reliable sequence control. A full range of units, from high-speed DC inputs to relay outputs, let you adapt CS1 to your needs.

CS1 units are available with various I/O densities and connection technologies. Up to

16 I/O points can be wired to units with detachable M3 screw terminals directly. High-density 32- and 64-point I/O units are equipped with standard 40-pin connectors.

Prefabricated cables and wiring terminals are available for easy interfacing to high-density I/O units.

Ordering information

Points Type Rated voltage Rated current

Remarks Connection type Order code*1

16AC or DC input 120VAC or VDC 10 mA - M3 CS1W-IA111

16AC input 240 VAC 10 mA - M3 CS1W-IA211

16DC input 24 VDC 7 mA - M3 CS1W-ID211

16DC input24 VDC7 mAInputs start interrupt tasks in PLC programM3 CS1W-INT01
16DC input24 VDC7 mA Latches pulses down to 50 us pulse width M3 CS1W-IDP01
32DC input24 VDC6 mA- 1 × 40 pt Fujitsu CS1W-ID231
64DC input24 VDC6 mA- 2 × 40 pt Fujitsu CS1W-ID261
96DC input24 VDC5 mA- 2 × 56 pt Fujitsu CS1W-ID291
8Triac output250 VAC1.2 A - M3 CS1W-OA201
16Triac output250 VAC0.5 A - M3 CS1W-OA211
8Relay output 250 VAC2.0 A - M3 CS1W-OC201
16Relay output 250 VAC2.0 A - M3 CS1W-OC211
16DC output (sink)12 to 24 VDC0.5 A - M3 CS1W-OD211
16DC output (source) 24 VDC 0.5 AWith short-circuit protection,alarm M3 CS1W-OD212
32DC output (sink) 12 to 2...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / CS1W-MD291 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.