

INDUSTRIAL COMPONENT DATA

S8V-CP0424 S8V 1003R S8VCP0424 OMRON Electronic circuit breaker, 4 channels, max. 10 A per channel, 24 VDC

Brand: OMRON | Manufacturer Part Number: S8V-CP0424



Manufacturer	OMRON
MPN / Reference	S8V-CP0424
Catalog number	S8VCP0424
Category	Accessories/spare parts for low-voltage switch technology
Minimum order	1 Pcs
Document ID	EO-AD0E2FCE47
Generated	2026-08-03

Product Overview

Electronic circuit breaker, 4 channels, max. 10 A per channel, 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 > Power supplies > S8V Circuit Breakers
--------------	---

Additional Product Information

4- / 8-channel electronic circuit breakers with adjustable tripping currents from 2 to 10 A

Thermomagnetic tripping characteristic

Sequential and load-dependent start-up of the outputs to avoid high inrush currents

Ability to switch-on high capacitive loads reliably

Backlit buttons with multi-color LEDs indicate the output status at a glance

Push-In Plus terminal blocks

Space saving Value Design for Panel

UL Class 2 model reduces the costs of applying a safety standard

Specifications & ordering info

Ordering information

ModelNumber Structure

Model Number Legend

Not all combinations are possible. Refer to List of Models in Ordering Information, below.

(1) Number of Outputs

Code Number of Outputs

04 4 outputs

08 8 outputs

(2) Rated input voltage

Code Rated input voltage

24 24 VDC

(3) UL Class 2 output

Code UL Class 2 output certified

S Yes

No No

List of Models

Unit

Number of Outputs UL Class 2 output Order code

4 outputs No S8V-CP0424

Yes S8V-CP0424S

8 outputs No S8V-CP0824

Specifications

Item Model Number ofOutputs UL Class 2 output S8V-CP0424 S8V-CP0424S S8V-CP0824

4 4 8

No Yes No

I/O characteristics Rated inputvoltage (Input voltage allowable range) 24 VDC (20 to 30 VDC) 24 VDC (20 to 28.8 VDC) 24 VDC (20 to 30 VDC)

Allowableinput current2For power input terminals, use 35 A max. per pole. 40 A 15.2 A 70 A

Max. ratedoutput current (per output) 10 A 3.8 A 10 A

Internalvoltage drop2A voltage drop will occur in the S8V-CP. Considerthe voltage drop at the output. 200 mV max. 150 m...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / S8V-CP0424 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 PI #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.