

**INDUSTRIAL COMPONENT DATA**

# G9SP-N20S G9SP0003R G9SPN20S OMRON Safety controller 20E-8S-6T

Brand: OMRON | Manufacturer Part Number: G9SP-N20S



|                 |                                                  |
|-----------------|--------------------------------------------------|
| Manufacturer    | OMRON                                            |
| MPN / Reference | G9SP-N20S                                        |
| Catalog number  | G9SPN20S                                         |
| Category        | Device for monitoring of safety-related circuits |
| Minimum order   | 1 Pcs                                            |
| Document ID     | EO-150EDE2271                                    |
| Generated       | 2026-07-29                                       |

## Product Overview

Safety controller 20E-8S-6T

G9SP Standalone Safety controller, 20 safety input, 8 safety output, 6 test output. PNP

Programmable Safety controller,G9SP standalone , 20 safety input, 8 safety output, 6 test output. PNP

**STRUCTURED PRODUCT DATA**

## Technical Specifications

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

## Classification & Catalog Path

Catalog path      OMRON &gt; Safety &gt; G9SP

## Additional Product Information

Three CPU-types to suit different applications

Clear diagnosis and monitoring via Ethernet or Serial connection

Memory cassette for easy duplication of configuration

Unique programming software to support easy design, verification, standardization and reuse of the program

Certified according to PLe (EN ISO 13849-1) and SIL 3 (IEC 61508)

Specifications & ordering info

Ordering information

Appearance

Appearance description

Order code

Standalone

safety controller

10 PNP safety inputs

4 PNP safety outputs  
4 test outputs  
4 PNP standard outputs  
G9SP-N10S  
10 PNP safety inputs  
16 PNP safety outputs  
6 test outputs  
G9SP-N10D  
20 PNP safety inputs  
8 PNP safety outputs  
6 test outputs  
G9SP-N20S  
Software  
Appearance  
Media  
Applicable OS  
Order code  
G9SP  
configurator  
Setup disk 1 license  
Windows 2000  
Windows XP  
Windows Vista  
Windows 7  
WS02-G9SP01-V1  
Setup disk 10 licenses  
WS02-G9SP10-V1  
Setup disk 50 licenses  
WS02-G9SP50-V1  
Setup disk Site license  
WS02-G9SPXX-V1  
Expansion units (standard I/O)  
Appearance  
Type  
Number of I/O  
Model  
In  
Out  
Expansion I/O unit  
Sinking  
12  
8 (solid state)  
CP1W-20EDT  
Sourcing  
12  
8 (solid state)  
CP1W-20EDT1

Sinking

-

32 (solid state)

CP1W-32ET

Sourcing

-

32 (solid state)

CP1W-32ET1

I/O Connecting cable, 80 cm long

CP1W-CN811

G9SP configuration

Option units

Appearance

Order code

RS-232 option board

CP1W-CIF01

Ethernet option board (Ver. 2.0 or later)

CP1W-CIF41

Memory cassette

CP1W-ME05M

G9SP Status Display Touchscreen with 1.8 m cable

82614-0010 H-T40M-P

G9SP-N10S Disp...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / G9SP-N20S with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

### GLOBAL OFFICES

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