

## INDUSTRIAL COMPONENT DATA

# G3PE-545B 12-24VDC G3PE2012R G3PE545BDC1224.1 OMRON 45A 200-480vac, single-Phase C DIN With disip. Func. Ste..

Brand: OMRON | Manufacturer Part Number: G3PE-545B 12-24VDC



|                 |                    |
|-----------------|--------------------|
| Manufacturer    | OMRON              |
| MPN / Reference | G3PE-545B 12-24VDC |
| Catalog number  | G3PE545BDC1224.1   |
| Category        | Solid state relay  |
| Minimum order   | 10 Pcs             |
| Document ID     | EO-3F862A3F6A      |
| Generated       | 2026-07-28         |

## Product Overview

45A 200-480vac, single-Phase C DIN With disip. Func. Step-by-Zero  
Solid state relay, 1-pole, DIN-track mounting, 45 A, 528 VAC max

## 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; Solid State Relays &gt; G3PB

## Additional Product Information

ApplicationON/OFF controlNumber of phases1Number of poles1Mounting methodDIN rail/screwTerminal typeScrewComplete with socketLED indicatorRated operational voltage, AC200-480 VOperating voltage range, AC180-528 VRated operation current I<sub>e</sub> at AC-145 ARated load current Close mounting31 APermissible I<sup>2</sup>t value6600 A<sup>2</sup>sApplicable heater capacity (AC1: resistive load)18 kWProduct Height (unpacked)100 mmProduct Width (unpacked)44.5 mmProduct Depth (unpacked)100 mmSupply voltage DC12-24 VControl current max.10 mAMust operate voltage max.9.6 VMust release voltage min.1 VMaximum operating temperature80 °CMinimum operating temperature-30 °CIsolationPhototriacSwitching at zero-crossingCommunication port(s)None  
ETIM for 375390 Relays (EC002055)  
Feature Name  
Feature Value  
Voltage type (operating voltage) (EF005294)  
AC

Voltage type for actuating (EF008242)

AC

Modular version (EF001126)

No

Rated operation current  $I_e$  at AC-1 (EF006069)

45 A

Number of phases (EF000351)

1

Rated operation current  $I_e$  at AC-3 (EF006070)

45 A

Rated control supply voltage DC (EF003980)

12 V

Operating voltage AC 50 Hz (EF008206)

200 V

Operating voltage AC 60 Hz (EF008207)

200 V

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / G3PE-545B 12-24VDC 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

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

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