INDUSTRIAL COMPONENT DATA

# OV-24DC/480AC/5 2982650 PHOENIX CONTACT Semi-conductor relay

**Brand: PHOENIX CONTACT | Manufacturer Part Number: OV-24DC/480AC/5**




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| Manufacturer | PHOENIX CONTACT |
| MPN / Reference | OV-24DC/480AC/5 |
| Catalog number | 2982650 |
| Category | Optocoupler |
| Minimum order | 10 Pcs |
| Document ID | EO-9B90C1D0F5 |
| Generated | 2026-11-18 |

## Product Overview

Semi-conductor relay
Solid-state relay, for signal amplification and galvanic separation of control and load circuits, pluggable into plug-in sockets for soldering SIM-AMS, or with card connection for direct mounting on the printed circuit board, input: 4-32 V DC, output: 12-530 V AC/5 A
Solid-state relay, for signal amplification and isolation of the control and load circuits, can be plugged in the solderable plug-in bases SIM-AMS or with PCB connection for mounting directly onto the PCB, input: 4-32 V DC, output: 12-530 V AC/5 A

STRUCTURED PRODUCT DATA

## Technical Specifications

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

## Classification & Catalog Path

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| Catalog path | PHOENIX CONTACT > Industrial Relays |

## Additional Product Information

Technical dataProduct propertiesProduct type Single solid-state relay
Operating mode 100% operating factor
Data management status
Date of last data management 17.05.2024
Article revision 00
Insulation characteristics
Insulation Basic insulation
Electrical propertiesTest voltage (Input/output) 4 kV (50 Hz, 1 min., input/output)
Input dataNominal input voltage UN 24 V DC

Input voltage range 4 V DC ... 32 V DC
Switching threshold "0" signal, voltage < 1.2 V DC
Switching threshold "1" signal voltage > 3.5 V DC
Typical input current at UN 10 mA
Typical response time ms (maximum ½ periods)
Typical turn-off time ms (maximum ½ periods)
Transmission frequency 25 Hz
Output dataDesign of digital output electronic
Output voltage range 12 V AC ... 530 V AC (45/65 Hz)
Limiting continuous current 5 A (see derating curve)
Min. load current 20 mA
Leakage current < 1 mA
Surge current 80 A (tp = 20 ms)
Phase angle cos phi min 0.5
Max. load value 50 A2s
Peak offstate voltage 1000 V (Periodic peak reverse voltage)
Voltage drop at max. limiting continuous current 1.2 V
Output circuit 2-conductor
DimensionsDimensional drawing
Width 10.5 mm
Height 43 mm
Depth 25.4 mm
Material specificationsColor black (RAL 9005)
Environmental and real-life conditionsAmbient conditions
Ambient temperature (operation) -20 °C ... 70 °C
Ambient temperature (storage/transport) -20 °C ... 70 °C
ApprovalsUKCA
Certificate UKCA-compliant
Standards and regulationsStandards/regulations EN 61000-4-2
EN 61000-4-3
EN 61000-4-4
E...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / OV-24DC/480AC/5 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

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