

## INDUSTRIAL COMPONENT DATA

# TRIO-DIODE/12-24DC/2X10/1X20 2866514 PHOENIX CONTACT

## Redundancy module

Brand: PHOENIX CONTACT | Manufacturer Part Number: TRIO-DIODE/12-24DC/2X10/1X20



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | TRIO-DIODE/12-24DC/2X10/1X20 |
| Catalog number  | 2866514                      |
| Category        | Surge protection module      |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-7C4F312E75                |
| Generated       | 2026-07-31                   |

### Product Overview

Redundancy module

Redundancy module with functional monitoring, 12 ... 24 V DC, 2x 10 A, 1x 20 A

## STRUCTURED PRODUCT DATA

### Technical Specifications

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

### Classification & Catalog Path

|              |                                       |
|--------------|---------------------------------------|
| Catalog path | PHOENIX CONTACT > Power Supplies (PS) |
|--------------|---------------------------------------|

### Additional Product Information

Technical dataInput dataDC operation

Nominal input voltage range 12 V DC ... 24 V DC

Input voltage range 10 V DC ... 30 V DC

Input voltage range DC 10 V DC ... 30 V DC

Voltage type of supply voltage DC

Reverse polarity protection < yes60 V

Nominal input current (IN) 2x 10 A (-25 °C ... 55 °C)

1x 20 A (-25 °C ... 55 °C)

Maximum current I<sub>max</sub> 2x 15 A (-25 °C ... 40 °C)

1x 30 A (-25 °C ... 40 °C)

Transient surge protection Varistor

Voltage drop, input/output 0.5 V

Output dataEfficiency > 97 %

Nominal output voltage U<sub>In</sub>- 0,5 V

Nominal output current (IN) 20 A (Increasing power)  
10 A (Redundancy)  
Derating 55 °C ... 70 °C (2.5 %/K)  
Power loss nominal load max. 7 W (IOUT= 10 A)  
Connection in series no  
Signal: Floating redundancy OK  
Output description Contact closed when UIN1& UIN2> 8 V  
Maximum switching voltage max. 60 V DC  
Maximum inrush current <= 100 mA (short-circuit-proof)  
Connection data Input  
Connection method Screw connection  
Conductor cross section, rigid min. 0.2 mm<sup>2</sup>  
Conductor cross section, rigid max. 2.5 mm<sup>2</sup>  
Conductor cross section flexible min. 0.2 mm<sup>2</sup>  
Conductor cross section flexible max. 2.5 mm<sup>2</sup>  
Conductor cross section AWG min. 24  
Conductor cross section AWG max. 14  
Stripping length 9 mm  
Screw thread M2,5  
Tightening torque, min 0.4 Nm  
Tightening torque max 0.5 Nm  
Output  
Connection method Screw connection  
Conductor cross section, rigid min. 0.5 mm<sup>2</sup>  
Conductor cross section, rigid max. 6 mm<sup>2</sup>  
Conductor cross section flexible min. 0.5 mm<sup>2</sup>  
Conductor cross section flexible max...

## REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / TRIO-DIODE/12-24DC/2X10/1X20 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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