

Redundancy module - QUINT-DIODE/48DC/40 - 2866585

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QUINT-DIODE/48DC/40 redundancy module

The figure shows the item
QUINT-DIODE/40 2938963



Key commercial data

| | |
|------------------------|---|
| Packing unit | 0 |
| Minimum order quantity | 1 |
| GTIN |  4 046356 494458 |
| Custom tariff number | 85044082 |
| Country of origin | CHINA |

Technical data

Input data

| | |
|----------------------------------|--------------------------------------|
| Nominal input voltage | 48 V DC (UN) |
| Nominal input voltage | < 60 V DC (Umax) |
| Nominal input current IN | 2x 20 A |
| Nominal input current IN | 1x 40 A |
| Maximum current I _{max} | 2x 19 A (6 mm ² at 40°C) |
| Maximum current I _{max} | 1x 39 A (6 mm ² at 40°C) |
| Maximum current I _{max} | 2x 16 A (6 mm ² at 60°C) |
| Maximum current I _{max} | 1x 32 A (6 mm ² at 60°C) |
| Maximum current I _{max} | 2x 27 A (10 mm ² at 40°C) |
| Maximum current I _{max} | 1x 54 A (10 mm ² at 40°C) |
| Maximum current I _{max} | 2x 21 A (10 mm ² at 60°C) |
| Maximum current I _{max} | 1x 43 A (10 mm ² at 60°C) |
| Maximum current I _{max} | 2x 30 A (16 mm ² at 40°C) |
| Maximum current I _{max} | 1x 60 A (16 mm ² at 40°C) |
| Maximum current I _{max} | 2x 24 A (16 mm ² at 60°C) |
| Maximum current I _{max} | 1x 48 A (16 mm ² at 60°C) |
| Nominal input current IN | 2x 20 A |

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Technical data

Input data

| | |
|----------------------------------|--|
| Nominal input current IN | 1x 40 A |
| Maximum current I _{max} | 2x 17 A (6 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 1x 35 A (6 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 2x 14 A (6 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 1x 28 A (6 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 2x 24 A (10 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 1x 49 A (10 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 2x 19 A (10 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 1x 39 A (10 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 2x 27 A (16 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 1x 54 A (16 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 2x 22 A (16 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |
| Maximum current I _{max} | 1x 44 A (16 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4) |

Output data

| | |
|------------------------------|------|
| Power loss nominal load max. | 28 W |
|------------------------------|------|

General data

| | |
|--|---|
| Width | 62 mm |
| Height | 84 mm |
| Depth | 102 mm |
| Net weight | 0.7 kg |
| Efficiency | > 97 % |
| Degree of protection | IP20 |
| Protection class | II |
| Ambient temperature (operation) | -25 °C ... 70 °C (> 60 °C derating, # -25 to +60°C) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Max. permissible relative humidity (operation) | ≤ 95 % (at 25 °C, no condensation) |
| Mounting position | horizontal and vertical DIN rail NS 35, EN 60715 |
| Assembly instructions | Can be aligned: Horizontal 2 cm, vertical 5 cm |
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise emission | EN 55011 |
| Noise immunity | EN 61000-6-2:2005 |
| Low Voltage Directive | Conformance with LV directive 2006/95/EC |
| Declaration of conformity in acc. with EN 60079-15 | # II 3 G Ex nA II T4 X |
| ATEX | # II 3 G Ex nA II T4 |

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Technical data

General data

| | |
|--|---|
| Standard - Electrical safety | EN 60950-1/VDE 0805 (SELV) |
| Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations | EN 50178/VDE 0160 (PELV) |
| UL approvals | UL/C-UL listed UL 508 |
| UL approvals | UL/C-UL Recognized UL 60950 |
| UL approvals | UL/C-UL Listed UL 1604 Class I, Division 2, Groups A, B, C, D |

Connection data, input

| | |
|--|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 10 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 6 |
| Stripping length | 10 mm |
| Screw thread | M4 |

Connection data, output

| | |
|--|---------------------|
| Connection method | Screw connection |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 10 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 6 |
| Stripping length | 10 mm |

Classifications

eclass

| | |
|------------|----------|
| eCl@ss 4.0 | 27250311 |
| eCl@ss 4.1 | 27250311 |
| eCl@ss 5.0 | 27242213 |
| eCl@ss 5.1 | 27242213 |
| eCl@ss 6.0 | 27242209 |
| eCl@ss 7.0 | 27242209 |

etim

| | |
|----------|----------|
| ETIM 3.0 | EC000599 |
| ETIM 4.0 | EC000599 |
| ETIM 5.0 | EC000599 |

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Classifications

unspsc

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211502 |
| UNSPSC 7.0901 | 39121004 |
| UNSPSC 11 | 39121004 |
| UNSPSC 12.01 | 39121004 |
| UNSPSC 13.2 | 39121004 |

Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / cULus Recognized / cUL Listed

Ex Approvals

ATEX / UL Listed / cUL Listed / cULus Recognized

Approvals submitted

Approval details

UL Recognized

UL Listed

cUL Recognized

cUL Listed

cULus Recognized

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Approvals

cUL Listed 

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