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Redundancy module - QUINT-DIODE/40 - 2938963

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Redundancy module QUINT-DIODE/40



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 1 STK |
| GTIN |  4 017918 929534 |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 62 mm |
| Height | 84 mm |
| Depth | 102 mm |

Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -25 °C ... 70 °C (> 60 °C derating, # -25 ... 60°C) |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C |
| Max. permissible relative humidity (operation) | ≤ 95 % (at 25 °C, non-condensing) |
| Noise immunity | EN 61000-6-2:2005 |

Input data

| | |
|-----------------------------|-------------------------------------|
| Nominal input voltage | 24 V DC |
| Nominal input voltage range | 24 V DC |
| Input voltage range | 0 V DC ... 30 V DC |
| Nominal input current | 2x 20 A |
| | 1x 40 A |
| Maximum input current | 2x 19 A (6 mm ² at 40°C) |

Redundancy module - QUINT-DIODE/40 - 2938963

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Input data

| | |
|--|--------------------------------------|
| | 1x 39 A (6 mm ² at 40°C) |
| | 2x 16 A (6 mm ² at 60°C) |
| | 1x 32 A (6 mm ² at 60°C) |
| | 2x 27 A (10 mm ² at 40°C) |
| | 1x 54 A (10 mm ² at 40°C) |
| | 2x 21 A (10 mm ² at 60°C) |
| | 1x 43 A (10 mm ² at 60°C) |
| | 2x 30 A (16 mm ² at 40°C) |
| | 1x 60 A (16 mm ² at 40°C) |
| | 2x 24 A (16 mm ² at 60°C) |
| | 1x 48 A (16 mm ² at 60°C) |

Output data

| | |
|------------------------------|---------|
| Nominal output voltage | 24 V DC |
| Nominal output current | 40 A |
| Connection in series | No |
| Power loss nominal load max. | 20 W |

General

| | |
|-----------------------|--|
| Net weight | 0.7 kg |
| Efficiency | > 97 % |
| Protection class | II (in closed control cabinet) |
| Mounting position | horizontal and vertical DIN rail NS 35, EN 60715 |
| Assembly instructions | Can be aligned: Horizontal 2 cm, vertical 5 cm |

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 flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 10 mm ² |
| Conductor cross section AWG min. | 20 |
| Conductor cross section AWG 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 flexible min. | 0.5 mm ² |
| Conductor cross section flexible max. | 10 mm ² |
| Conductor cross section AWG min. | 20 |

Redundancy module - QUINT-DIODE/40 - 2938963

Technical data

Connection data, output

| | |
|----------------------------------|-------|
| Conductor cross section AWG max. | 6 |
| Stripping length | 10 mm |
| Screw thread | M4 |

Standards and Regulations

| | |
|--|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Standards/regulations | EN 60079-0 |
| Noise emission | EN 55011 |
| Noise immunity | EN 61000-6-2:2005 |
| Connection in acc. with standard | CUL |
| 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) |
| Shipbuilding approval | Germanischer Lloyd (EMC 2), ABS, DNV |
| UL approvals | UL/C-UL listed UL 508 |
| | UL/C-UL Recognized UL 60950 |
| | UL/C-UL Listed UL 1604 Class I, Division 2, Groups A, B, C, D |
| ATEX | # II 3G Ex nA IIC T4 Gc |
| | KEMA 03 ATEX 1197X |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27040702 |
| eCl@ss 4.1 | 27040702 |
| eCl@ss 5.0 | 27242213 |
| eCl@ss 5.1 | 27242213 |
| eCl@ss 6.0 | 27049005 |
| eCl@ss 7.0 | 27049005 |
| eCl@ss 8.0 | 27371010 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001039 |
| ETIM 3.0 | EC001039 |
| ETIM 4.0 | EC000599 |
| ETIM 5.0 | EC000683 |

UNSPSC

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

Redundancy module - QUINT-DIODE/40 - 2938963

Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 13.2 | 39121004 |
|-------------|----------|

Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / DNV / EAC / EAC / ABS / ABS / cULus Recognized / cULus Listed


Ex Approvals


ATEX / UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized 

UL Listed 

cUL Recognized 

cUL Listed 

DNV

EAC

EAC

ABS

Redundancy module - QUINT-DIODE/40 - 2938963

Approvals

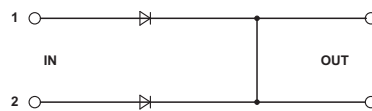
ABS

cULus Recognized 

cULus Listed 

Drawings

Block diagram



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