

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	1 pc
GTIN	 4 046356 494458
Weight per Piece (excluding packing)	600.0 g
Custom tariff number	85044082
Country of origin	China

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	48 V DC (U _N)
	< 60 V DC (U _{max})

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Technical data

Input data

Input voltage range	10 V DC ... 60 V DC
Nominal input current I_N	2x 20 A
	1x 40 A
Maximum current I_{max}	2x 19 A (6 mm ² at 40°C)
	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)
Nominal input current I_N	2x 20 A
	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)
	1x 35 A (6 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 14 A (6 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 28 A (6 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 24 A (10 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 49 A (10 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 19 A (10 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 39 A (10 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 27 A (16 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 54 A (16 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 22 A (16 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	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

Output current	40 A
Power loss nominal load max.	28 W

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Technical data

General

Net weight	0.7 kg
Efficiency	> 97 %
Protection class	II
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
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
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/C-UL Recognized UL 60950
	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

eCl@ss

eCl@ss 4.0	27250311
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Classifications

eCl@ss

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
eCl@ss 8.0	27242209

ETIM

ETIM 3.0	EC000599
ETIM 4.0	EC000599
ETIM 5.0	EC002540

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 / cULus Listed

Ex Approvals

ATEX / UL Listed / cUL Listed / cULus Listed

Approvals submitted


Approval details

UL Recognized


UL Listed

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Approvals

cUL Recognized 

cUL Listed 

cULus Recognized 

cULus Listed 