

Redundancy module - QUINT-DIODE/40 - 2938963

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Redundancy module QUINT-DIODE/40



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 929534
GTIN	4017918929534
Weight per Piece (excluding packing)	600.000 g
Custom tariff number	85049091
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)
Degree of pollution	2

Input data

Nominal input voltage	24 V DC
Nominal input voltage range	24 V DC

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Technical data

Input data

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)
	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 (I _N)	40 A
Connection in series	No
Power loss nominal load max.	20 W

General

Net weight	0.7 kg
Efficiency	> 97 %
Insulation voltage input / PE	1 kV
Insulation voltage output / PE	1 kV
Protection class	II (in closed control cabinet)
Degree of protection	IP20
MTBF (IEC 61709, SN 29500)	28571428 h (40 °C)
Mounting position	horizontal and vertical DIN rail NS 35, EN 60715
Assembly instructions	alignable: horizontal 20 mm, vertical 50 mm

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

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Technical data

Connection data, input

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

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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	DNV GL (EMC A), ABS
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950-1
	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	27040801
eCl@ss 4.1	27040801
eCl@ss 5.1	27371000
eCl@ss 6.0	27371000
eCl@ss 7.0	27371010
eCl@ss 8.0	27371010
eCl@ss 9.0	27371010

ETIM

ETIM 2.0	EC001039
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Classifications

ETIM

ETIM 3.0	EC001039
ETIM 4.0	EC002540
ETIM 5.0	EC000683
ETIM 6.0	EC000683
ETIM 7.0	EC000683

UNSPSC

UNSPSC 6.01	30211502
UNSPSC 7.0901	39121004
UNSPSC 11	39121004
UNSPSC 12.01	39121004
UNSPSC 13.2	32151504

Approvals

Approvals

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


Ex Approvals


ATEX / UL Listed / cUL Listed / cULus Listed


Approval details

ABS	http://www.eagle.org/eagleExternalPortalWEB/	15-HG1369922-PDA-DUB
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ABS	http://www.eagle.org/eagleExternalPortalWEB/	15-HG1369922-PDA
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UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
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Approvals

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
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EAC			EAC-Zulassung
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EAC			RU C- DE.A*30.B.01082
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DNV GL		https://approvalfinder.dnvgl.com/	TAA0000249
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cULus Recognized			
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cULus Listed			
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