

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
Country of origin	Germany

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

Redundancy module - QUINT-DIODE/40 - 2938963

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Input data

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 %
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

Redundancy module - QUINT-DIODE/40 - 2938963

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Connection data, output

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 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
eCl@ss 9.0	27040701

ETIM

ETIM 2.0	EC001039
ETIM 3.0	EC001039
ETIM 4.0	EC000599
ETIM 5.0	EC002540

UNSPSC

UNSPSC 6.01	30211502
UNSPSC 7.0901	39121004

Redundancy module - QUINT-DIODE/40 - 2938963

Classifications

UNSPSC

UNSPSC 11	39121004
UNSPSC 12.01	39121004
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


Redundancy module - QUINT-DIODE/40 - 2938963

Approvals

ABS

ABS

cULus Recognized 

cULus Listed 

Drawings

Block diagram

