

QUINT-DIODE/40

Order No.: 2938963



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Redundancy module QUINT-DIODE/40



Ex n

Commercial data	
EAN	4017918929534
sales group	H049
Pack	1 pcs.
Customs tariff	85044081
Weight/Piece	0.682 KG
Catalog page information	Page 596 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
07/10/2006



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Technical data	
Input data	
Nominal input voltage	24 V DC
DC input voltage range	0 V DC ... 30 V DC

Nominal input current I_N	2x 20 A (Max. 30 A)
	1x 40 A (Max. 60 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)	

Output data

Power loss nominal load max.	20 W
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General data

Width	62 mm
Height	84 mm
Depth	102 mm
Weight	0.7 kg
Efficiency	> 97 %
Insulation voltage input/output	1 kV
Degree of protection	IP20
Class of protection	II (in an enclosed control cabinet)
Ambient temperature (operation)	-25 °C ... 70 °C (> 60 °C derating, Ex -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
Emitted interference	EN 55011
Immunity to interference	EN 61000-6-2:2005
Conformity with EN 50 021	EX II 3G EEx nA IIC T4, KEMA 03 ATEX 1197X

Standard - Electrical safety	EN 60950/VDE 0805 (SELV)
Shipbuilding approval	Germanischer Lloyd (EMC 2), ABS, DNV
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

Type of connection	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

Type of connection	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

Certificates / Approvals

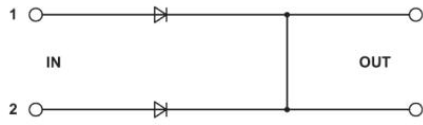


Certification ABS, CUL, CUL Listed, DNV, UL, UL Listed

Certification Ex: CUL-EX LIS, KEMA-EX, PxC-EX, UL-EX LIS

Diagrams/Drawings

Block diagram



Approbationslogos (EX-Bereich)





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