Extract from the online catalog

QUINT-DIODE/48DC/2X20/1X40

Order No.: 2320160

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2320160

DIN rail diode module 48 V DC/2x20 A or 1x40 A. Uniform redundancy up to the consumer.

Commercial data	
GTIN (EAN)	4 046356 524759
sales group	H009
Pack	1 pcs.
Customs tariff	85044082
Catalog page information	Page 627 (IF-2011)

Product notes

WEEE/RoHS-compliant since: 08/17/2009

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Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Input data

Nominal input voltage	48 V DC
DC input voltage range	30 V DC ... 56 V DC

Nominal input current I_N	2x 20 A (-25 °C ... 60 °C)
	1x 40 A (-25 °C ... 60 °C)
Maximum current I_{max}	2x 30 A (-25°C ... 40°C)
	1x 60 A (-25°C ... 40°C)
Nominal input current I_N	2x 20 A (-25 °C ... 60 °C)
	1x 40 A (-25 °C ... 60 °C)
Maximum current I_{max}	2x 30 A (-25°C ... 40°C)
	1x 60 A (-25°C ... 40°C)

Output data

Derating	60 °C ... 70 °C (2.5%/K)
Power loss nominal load max.	14 W (I_{OUT} = 20 A)

General data

Width	50 mm
Height	130 mm
Depth	125 mm
Net weight	0.75 kg
Efficiency	> 97 %
	> 97 %
Degree of protection	IP20
Protection class	III
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, no condensation)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Can be aligned: 5 mm horizontally, 15 mm next to active components, 5 cm vertically
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Low Voltage Directive	Conformance with Low Voltage Directive 2006/95/EC
ATEX	Ex II 3G Ex nA IIC T4 Gc
	KEMA 10 ATEX 0165X
IECEx	Ex nA IIC T4 Gc
	IECEx KEM 10.0091
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)
Standard – Safety extra-low voltage	IEC 60950-1 (SELV) and EN 60204 (PELV)
Standard - Safe isolation	DIN VDE 0100-410
	DIN VDE 0106-1010
Standard – Protection against electric shock	DIN 57100-410
Standard – Protection against shock currents, basic requirements for protective separation in electrical equipment	DIN VDE 0106-101
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950
	UL/C-UL listed ANSI/ISA 12.12.01

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	4 mm²
Conductor cross section AWG/kcmil min.	12
Conductor cross section AWG/kcmil max	10
Stripping length	7 mm
Screw thread	M3

Connection data, output

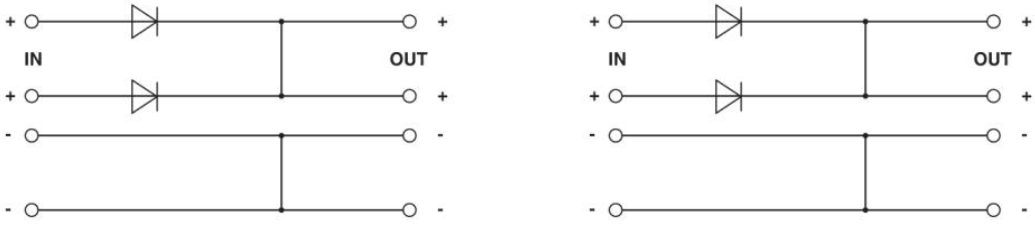
Connection method	Screw connection
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	16 mm²
Conductor cross section AWG/kcmil min.	10
Conductor cross section AWG/kcmil max	6
Stripping length	10 mm

Certificates / Approvals

Certification	CUL, CUL Listed, UL, UL Listed
Certification Ex:	CUL-EX LIS, IECEx, KEMA-EX, UL-EX LIS

Diagrams/Drawings

Block diagram



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