Extract from the online catalog

QUINT-DIODE/48DC/40

Order No.: 2866585

The figure shows the item QUINT-DIODE/40 2938963

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2866585

QUINT-DIODE/48DC/40 redundancy module

H D W

Ex n

Product notes

WEEE/RoHS-compliant since: 02/16/2009

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Commercial data	
GTIN (EAN)	4 046356 494458
sales group	H049
Pack	1 pcs.
Customs tariff	85044082

Technical data

Input data

Nominal input voltage	48 V DC (U_N)
	< 60 V DC (U_{max})

Nominal input current I_N	2x 20 A
	1x 40 A
Maximum current I_{max}	2x 19 A (6 mm² at 40°C)
	1x 39 A (6 mm² at 40°C)
	2x 16 A (6 mm² at 60°C)
	1x 32 A (6 mm² at 60°C)
	2x 27 A (10 mm² at 40°C)
	1x 54 A (10 mm² at 40°C)
	2x 21 A (10 mm² at 60°C)
	1x 43 A (10 mm² at 60°C)
	2x 30 A (16 mm² at 40°C)
	1x 60 A (16 mm² at 40°C)
	2x 24 A (16 mm² at 60°C)
	1x 48 A (16 mm² at 60°C)
Nominal input current I_N	2x 20 A
	1x 40 A
Maximum current I_{max}	2x 17 A (6 mm² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 35 A (6 mm² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 14 A (6 mm² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 28 A (6 mm² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 24 A (10 mm² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 49 A (10 mm² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 19 A (10 mm² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 39 A (10 mm² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 27 A (16 mm² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 54 A (16 mm² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 22 A (16 mm² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 44 A (16 mm² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)

Output data	
Power loss nominal load max.	28 W
General data	
Width	62 mm
Height	84 mm
Depth	102 mm
Net weight	0.7 kg
Efficiency	> 97 %
Degree of protection	IP20
Protection class	II
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
Noise emission	EN 55011
Noise immunity	EN 61000-6-2:2005
Low Voltage Directive	Conformance with LV directive 2006/95/EC
Conformity with EN 50 021	EX II 3G EEx nA IIC T4, KEMA 03 ATEX 1197X
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 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	10 mm²
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 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	10 mm²
Conductor cross section AWG/kcmil min.	20
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, KEMA-EX, UL-EX LIS

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