

Redundancy module, with protective coating - QUINT-DIODE/48DC/40 - 2866585

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




QUINT-DIODE/48DC/40 redundancy module

The figure shows the item QUINT-DIODE/40 2938963



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 494458
GTIN	4046356494458

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	48 V DC (U _N)
	< 60 V DC (U _{max})
Input voltage range	10 V DC ... 60 V DC

Redundancy module, with protective coating - QUINT-DIODE/48DC/40 - 2866585

Technical data

Input data

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)
Nominal input current	2x 20 A
	1x 40 A
Maximum input current	2x 17 A (6 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 35 A (6 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 14 A (6 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 28 A (6 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 24 A (10 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 49 A (10 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 19 A (10 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 39 A (10 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 27 A (16 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 54 A (16 mm ² at 40°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	2x 22 A (16 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)
	1x 44 A (16 mm ² at 60°C for potentially explosive areas: Class I, Div. 2, Groups A, B, C, D; T4)

Output data

Nominal output voltage	47.3 V DC (Input/output voltage drop of 48 V ... 0.7 V)
Nominal output current (I _N)	40 A

Redundancy module, with protective coating - QUINT-DIODE/48DC/40 - 2866585

Technical data

Output data

Connection in series	No
Power loss nominal load max.	28 W

General

Net weight	0.7 kg
Efficiency	> 97 %
Insulation voltage input / PE	1 kV
Insulation voltage output / PE	1 kV
Protection class	II
Degree of protection	IP20
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
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
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
Noise emission	EN 55011
Noise immunity	EN 61000-6-2:2005
Connection in acc. with standard	CUL
Low Voltage Directive	Conformance with LV directive 2006/95/EC
Standard - Electrical safety	EN 60950-1/VDE 0805 (SELV)

Redundancy module, with protective coating - QUINT-DIODE/48DC/40 - 2866585

Technical data

Standards and Regulations

Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations	EN 50178/VDE 0160 (PELV)
Declaration of conformity in acc. with EN 60079-15	# II 3 G Ex nA II T4 X
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
Shock	30g, 18 ms according to IEC 60068-2-27
Vibration (operation)	3 Hz ... 15 Hz, amplitude ±2.5 mm; 15 Hz ... 100 Hz, 2.3g according to IEC 60068-2-6
ATEX	# II 3 G Ex nA II T4

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Approvals

Approvals

Approvals

UL Listed / UL Recognized / cUL Recognized / cUL Listed / EAC / EAC / cULus Recognized / cULus Listed

Ex Approvals

ATEX / UL Listed / cUL Listed / cULus Listed

Approval details


UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
-----------	--	---	---------------


UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
---------------	--	---	---------------


cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
----------------	--	---	---------------


Redundancy module, with protective coating - QUINT-DIODE/48DC/40 - 2866585

Approvals

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
------------	---	---	---------------

EAC			EAC-Zulassung
-----	---	--	---------------

EAC			RU C- DE.A*30.B.01082
-----	---	--	--------------------------

cULus Recognized			
------------------	--	--	--

cULus Listed			
--------------	---	--	--

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>