

Redundancy module - 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://download.phoenixcontact.com>)



QUINT-DIODE/48DC/40 redundancy module

The figure shows the item
QUINT-DIODE/40 2938963



Key commercial data

Packing unit	0
Minimum order quantity	1
GTIN	 4 046356 494458
Custom tariff number	85044082
Country of origin	CHINA

Technical data

Input data

Nominal input voltage	48 V DC (UN)
Nominal input voltage	< 60 V DC (Umax)
Nominal input current IN	2x 20 A
Nominal input current IN	1x 40 A
Maximum current I _{max}	2x 19 A (6 mm ² at 40°C)
Maximum current I _{max}	1x 39 A (6 mm ² at 40°C)
Maximum current I _{max}	2x 16 A (6 mm ² at 60°C)
Maximum current I _{max}	1x 32 A (6 mm ² at 60°C)
Maximum current I _{max}	2x 27 A (10 mm ² at 40°C)
Maximum current I _{max}	1x 54 A (10 mm ² at 40°C)
Maximum current I _{max}	2x 21 A (10 mm ² at 60°C)
Maximum current I _{max}	1x 43 A (10 mm ² at 60°C)
Maximum current I _{max}	2x 30 A (16 mm ² at 40°C)
Maximum current I _{max}	1x 60 A (16 mm ² at 40°C)
Maximum current I _{max}	2x 24 A (16 mm ² at 60°C)
Maximum current I _{max}	1x 48 A (16 mm ² at 60°C)
Nominal input current IN	2x 20 A

Redundancy module - QUINT-DIODE/48DC/40 - 2866585

Technical data

Input data

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

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, # -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
Declaration of conformity in acc. with EN 60079-15	# II 3 G Ex nA II T4 X
ATEX	# II 3 G Ex nA II T4

Redundancy module - QUINT-DIODE/48DC/40 - 2866585

Technical data

General data

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 approvals	UL/C-UL Recognized UL 60950
UL approvals	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 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

Connection method	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

Classifications

eclass

eCl@ss 4.0	27250311
eCl@ss 4.1	27250311
eCl@ss 5.0	27242213
eCl@ss 5.1	27242213
eCl@ss 6.0	27242209
eCl@ss 7.0	27242209

etim

ETIM 3.0	EC000599
ETIM 4.0	EC000599
ETIM 5.0	EC000599

Redundancy module - QUINT-DIODE/48DC/40 - 2866585

Classifications

unspsc

UNSPSC 6.01	30211502
UNSPSC 7.0901	39121004
UNSPSC 11	39121004
UNSPSC 12.01	39121004
UNSPSC 13.2	39121004

Approvals

Approvals

Approvals

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

Ex Approvals

ATEX / UL Listed / cUL Listed / cULus Recognized

Approvals submitted

Approval details

UL Recognized

UL Listed

cUL Recognized

cUL Listed

cULus Recognized

Redundancy module - QUINT-DIODE/48DC/40 - 2866585

Approvals

cUL Listed 

© Phoenix Contact 2012 - all rights reserved
<http://www.phoenixcontact.com>