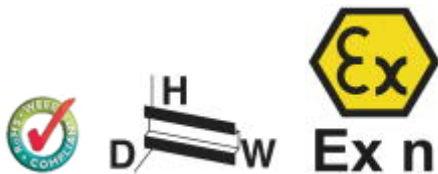


Redundancy module, with protective coating - QUINT-DIODE/40 - 2938963

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>)



Redundancy module QUINT-DIODE/40



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	683.6 g
Custom tariff number	85049091
Country of origin	China

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)
Noise immunity	EN 61000-6-2:2005

Input data

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

Redundancy module, with protective coating - QUINT-DIODE/40 - 2938963

Technical data

Input data

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

Nominal output voltage	24 V DC
Nominal output current	40 A
Connection in series	No
Output current	40 A
Power loss nominal load max.	20 W

General

Net weight	0.7 kg
Efficiency	> 97 %
Insulation voltage input/output	1 kV
Protection class	II (in closed control cabinet)
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
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
Standard - Electrical safety	EN 60950-1/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

Redundancy module, with protective coating - QUINT-DIODE/40 - 2938963

Technical data

General

	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 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

Classifications

eCl@ss

eCl@ss 4.0	27040702
eCl@ss 4.1	27040702
eCl@ss 5.0	27242213
eCl@ss 5.1	27242213
eCl@ss 6.0	27049005
eCl@ss 7.0	27049005
eCl@ss 8.0	27371010

ETIM

ETIM 2.0	EC001039
ETIM 3.0	EC001039

Redundancy module, with protective coating - QUINT-DIODE/40 - 2938963

Classifications

ETIM

ETIM 4.0	EC000599
ETIM 5.0	EC000683

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 / DNV / EAC / EAC / cULus Recognized / cULus Listed

Ex Approvals

ATEX / UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details

UL Recognized

UL Listed

cUL Recognized

Redundancy module, with protective coating - QUINT-DIODE/40 - 2938963

Approvals

cUL Listed

DNV

EAC

EAC

cULus Recognized

cULus Listed

Drawings

Block diagram

