

Redundancy module - UNO-DIODE/5-24DC/2X10/1X20 - 2905489

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, 5 V - 24 V DC, 2 x 10 A, 1 x 20 A.

Why buy this product

- Flexible mounting by simply snapping onto the DIN rail



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	240.000 g
Custom tariff number	85049091
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	90 mm
Depth	84 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 70 °C (> 55 °C Derating: 2,5 %/K)
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 range	5 V DC ... 24 V DC
-----------------------------	--------------------

Redundancy module - UNO-DIODE/5-24DC/2X10/1X20 - 2905489

Technical data

Input data

Input voltage range	4.5 V DC ... 30 V DC
Nominal input current	2x 10 A (-25°C ... 55°C)
	1x 20 A (-25°C ... 55°C)

Output data

Nominal output current (I _N)	20 A
Derating	55 °C ... 70 °C (2.5%/K)
Connection in series	No
Power loss nominal load max.	5 W (I _{OUT} = 10 A)

General

Net weight	0.2 kg
Efficiency	> 97 %
Insulation voltage input/output	1 kV AC (type test)
	0.5 kV AC (routine test)
Protection class	III
	> 60600000 h (40°C)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Alignable: 0 mm horizontally, 30 mm vertically

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
Screw thread	M3

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14

Redundancy module - UNO-DIODE/5-24DC/2X10/1X20 - 2905489

Technical data

Connection data, output

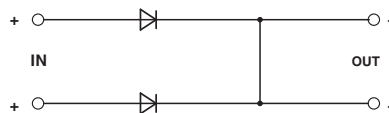
Stripping length	8 mm
Screw thread	M3

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Shock	18 ms, 30g, in each space direction (according to IEC 60068-2-27)
Noise immunity	EN 61000-6-2:2005
Connection in acc. with standard	CUL
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-5
	EN 61000-4-6
	EN 61000-4-11
Standard - Electrical safety	IEC 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 60204-1 (PELV)
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950
Vibration (operation)	< 15 Hz, amplitude ± 2.5 mm (according to IEC 60068-2-6)
	15 Hz ... 150 Hz, 2.3g, 90 min.
Low Voltage Directive	Conformance with LV directive 2006/95/EC

Drawings

Block diagram



Approvals

Approvals

Redundancy module - UNO-DIODE/5-24DC/2X10/1X20 - 2905489


Approvals


Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / IECCE CB Scheme / EAC / cULus Recognized / cULus Listed


Ex Approvals


Approval details

UL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 214596


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

cUL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 214596

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

IECEE CB Scheme  <http://www.iecee.org/DK-36263-UL>

EAC EAC-Zulassung

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

cULus Listed 
