Redundancy module - STEP-DIODE/5-24DC/2X5/1X10 - 2868606

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Redundancy module, 5-24 V DC, 2x 5 A, 1x 10 A

Key commercial data

package_quantity	1
GTIN	4046356583923

Technical data

Dimensions

Width	18 mm
Height	90 mm
Depth	61 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 70 °C (> 55° C derating)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, no condensation)

Input data

Nominal input voltage range	5 V DC ... 24 V DC
Nominal input voltage range	4.5 V DC ... 30 V DC
Input voltage range DC	[NO ASSET AVAILABLE: TXB,6776516,P]
Nominal input current I_N	2x 5 A (-25°C ... 55°C)
Nominal input current I_N	1x 10 A (-25°C ... 55°C)
Nominal input current I_N	2x 5 A (-25°C ... 55°C)
Nominal input current I_N	1x 10 A (-25°C ... 55°C)

Output data

Output current	10 A (Increasing power)
Output current	5 A (Redundancy)
Derating	55 °C ... 70 °C (2.5%/K)
Power loss nominal load max.	2.5 W (I_{OUT} = 5 A)

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Technical data

General

Net weight	0.1 kg
Efficiency	> 97 %
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Protection class	III
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Alignable: 0 mm horizontally, 30 mm vertically
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
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)
UL approvals	UL/C-UL listed UL 508
UL approvals	UL/C-UL Recognized UL 60950

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	6.5 mm
Screw thread	M3

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	6.5 mm

classifications

eCl@ss

eCl@ss 4.0	27250311
eCl@ss 4.1	27250311
eCl@ss 5.0	27242213
eCl@ss 5.1	27242213
eCl@ss 6.0	27049005

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classifications

eCl@ss

eCl@ss 7.0	27049005
eCl@ss 8.0	27049005

ETIM

ETIM 3.0	EC000599
ETIM 4.0	EC002542
ETIM 5.0	EC002542

UNSPSC

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

approvals

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

Approval details

UL Recognized

UL Listed

cUL Recognized

cUL Listed

cULus Recognized

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approvals

cULus Listed

Drawings

Block diagram