Redundancy module,QUINT4-DIODE/ 12-24DC/2X20/1X40

URL:https://www.sxplc.com/redundancy-module-quint4-diode-12-24dc-2x20-1x40

Product data sheet

Nominal input voltage range	12 V DC ... 24 V DC
Input voltage range	10 V DC ... 30 V DC
Voltage type of supply voltage	DC
Reverse polarity protection	< yes60 V
Nominal input current (IN)	2x 20 A (-40 °C ... 60 °C)
	1x 40 A (-40 °C ... 60 °C)
Maximum current Imax	2x 30 A (-40 °C ... 40 °C)
	1x 60 A (-40 °C ... 40 °C)
Input current IStatic	2x 25 A (40 °C)
Input current IDynamic	2x 30 A (5 s)
Input current ISFB	2x 120 A (15 ms)
Nominal input current (IN)	2x 20 A (-25 °C ... 60 °C)
	1x 40 A (-25 °C ... 60 °C)
Maximum current Imax	2x 30 A (-25 °C ... 40 °C)
	1x 60 A (-25 °C ... 40 °C)
Transient surge protection	Varistor
Voltage drop, input/output	0.5 V

Efficiency	> 97 %
Nominal output voltage	UIn - 0,5 V
Nominal output current (IN)	40 A (Increasing power)
	20 A (Redundancy)
Static Boost (IStat.Boost)	45 A
Dynamic Boost (IDyn.Boost)	60 A (5 s)
Selective Fuse Breaking (ISFB)	120 A (15 ms)
Derating	60 °C ... 70 °C (2.5 %/K)
Power loss nominal load max.	10 W (IOUT = 20 A)
Connection in series	no

Connection method	Screw connection
Conductor cross section, rigid min.	0.5 mm²
Conductor cross section, rigid max.	16 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section AWG min.	10
Conductor cross section AWG max.	6

Stripping length	10 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm
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Conductor cross section AWG min.	10
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Stripping length	10 mm
Screw thread	M4
Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Electrical properties

Insulation voltage input, output / housing	1000 V

Product properties

Product type	Redundancy module
Product family	QUINT DIODE
MTBF (IEC 61709, SN 29500)	40000000 h (40 °C)
LED	No
Article revision	09
Protection class	III
Degree of pollution	2