



## QUINT-DIODE/12-24DC/2X20/1X40 - Redundancy module 2320157

URL: <https://www.sxplc.com/quint->

[diode-12-24dc-2x20-1x40-redundancy-module-2320157](https://www.sxplc.com/quint-diode-12-24dc-2x20-1x40-redundancy-module-2320157)

### 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 (-25 °C ... 60 °C)
	1x 40 A (-25 °C ... 60 °C)
Maximum current I <sub>max</sub>	2x 30 A (-25 °C ... 40 °C)
	1x 60 A (-25 °C ... 40 °C)
Transient surge protection	Varistor
Voltage drop, input/output	typ. 0.5 V
Nominal input voltage range	12 V DC ... 24 V DC
Input voltage range	10 V DC ... 30 V DC
Input voltage range DC	10 V DC ... 30 V DC

Efficiency	> 97 %
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Nominal output voltage	UIn - 0,5 V
Nominal output current (IN)	40 A (Increasing power)
	20 A (Redundancy)
Derating	60 °C ... 70 °C (2.5 %/K)
Power loss nominal load max.	10 W (IOUT = 20 A)
Connection in series	no
Derating	60 °C ... 70 °C 2.5 %/K

Connection method	Screw connection
Conductor cross section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross section, rigid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	12
Conductor cross section AWG max.	10
Stripping length	8 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
Connection method	Screw connection
Conductor cross section, rigid min.	0.5 mm <sup>2</sup>
Conductor cross section, rigid max.	16 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	16 mm <sup>2</sup>

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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Insulation voltage input, output / housing	1000 V
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