



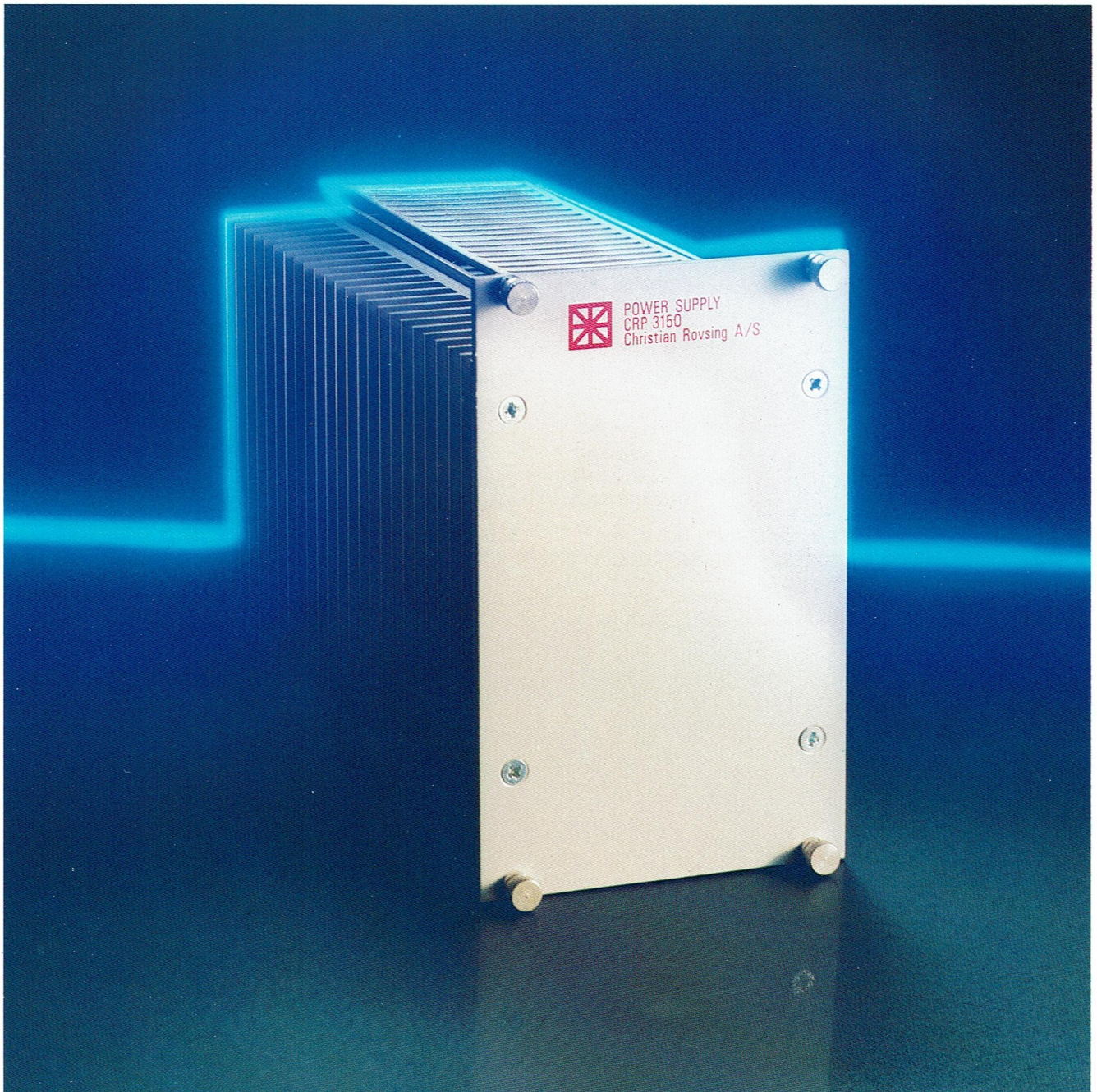
Switching Power Supply

Christian Rovsing A/S Power Division

CRP 3160 Telecom Series

The CRP 3160 has been designed to cover all DC/DC power conversion requirements needed in compact telecom equipment such as central office systems, pabxs, data systems, fibre optic systems and many others.

- universal input range
- 150 W output into any load combination between + 5 V and + 12 V.
- extremely compact



CRP 3160

Telecom Series

By using state of the art technology, such as high frequency switching at 100KHz, control, regulation and monitoring by a proprietary hybrid circuit and sophisticated regulation technique, Christian Roving A/S has succeeded in developing an outstanding and extremely compact, high performance power supply for the telecommunication industry.

The CRP 3160 has 3 outputs and can supply full power (150W) into any load combination between +5V and + 12V output, and it also contains an isolated, regulated output, which can be used either as a negative supply or mounted on top of the +12V in order to obtain higher output voltages.

An overvoltage, protection circuit to protect the user during fault conditions is included.

A proprietary hybrid circuit containing the complete control regulation and monitoring circuit for a 100 kHz DC/DC power supply.

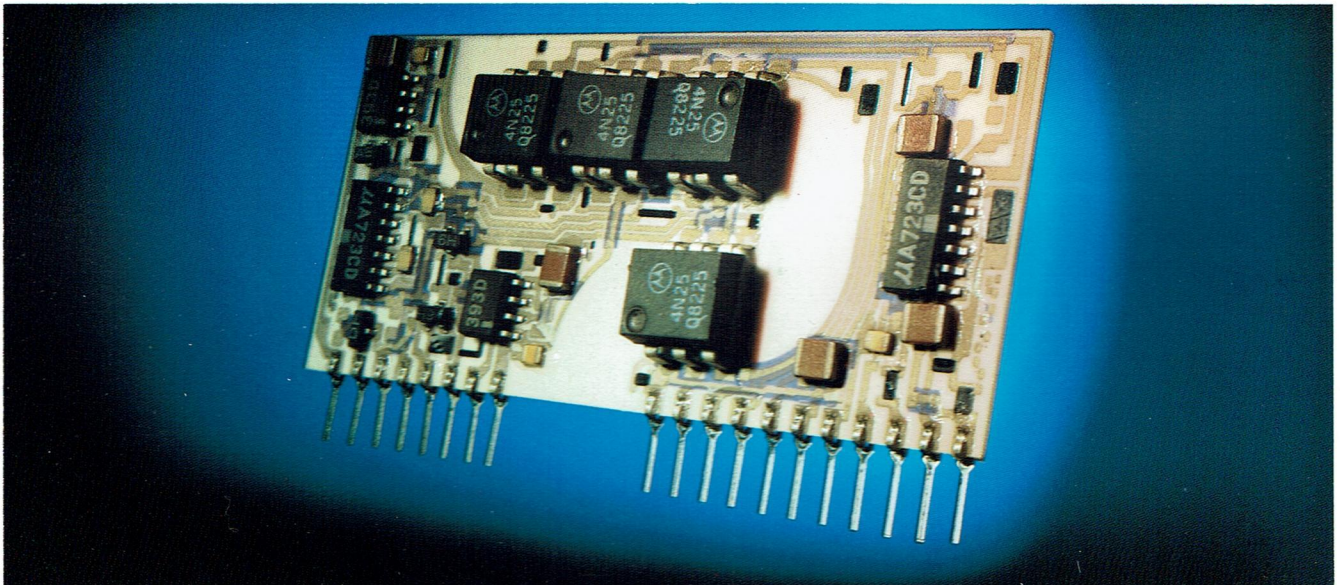
Input

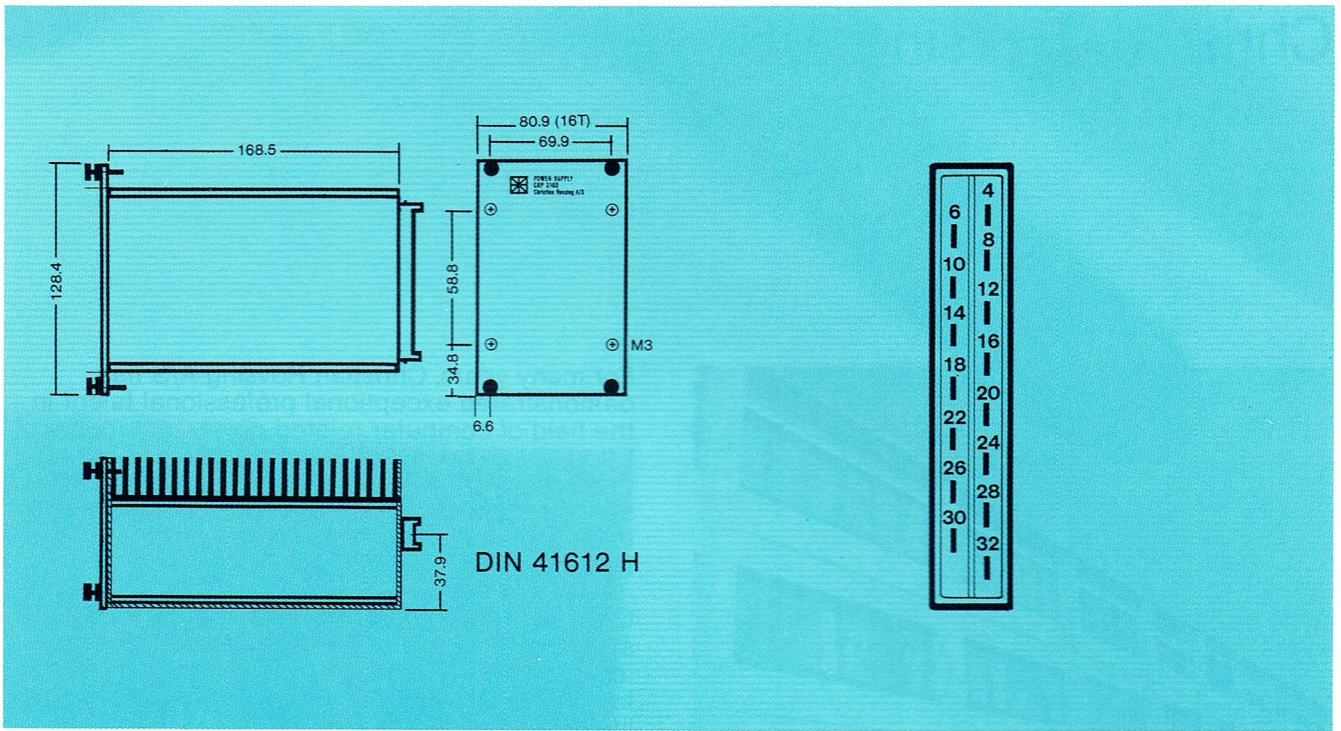
Input voltage 40-75 VDC Isolated

Output Specifications

Primary 1 voltage	+5, 1V/20A 2% 10-100% load
Primary 2 voltage	+12 V/6A 5% 10-100% load
Auxiliary voltage*	12V/1, 5A 5% 0-100% load
Primary 1 current	30A Current limited
Primary 2 current	12A Current limited
Auxiliary current	1,5A Current limited
Output power	150W Electronic limited
Ripple on outputs	Max. 25 m VRMS Measured at max. load
Efficiency	77% Typical at full load
Transient response	Output stays within regulation tolerance for a load change between 50%-100%-50%
Overvoltage protection	On Primary 1 and 2 Factory set
Line regulation	Max. 0.1% At any load

*) other voltages available on request



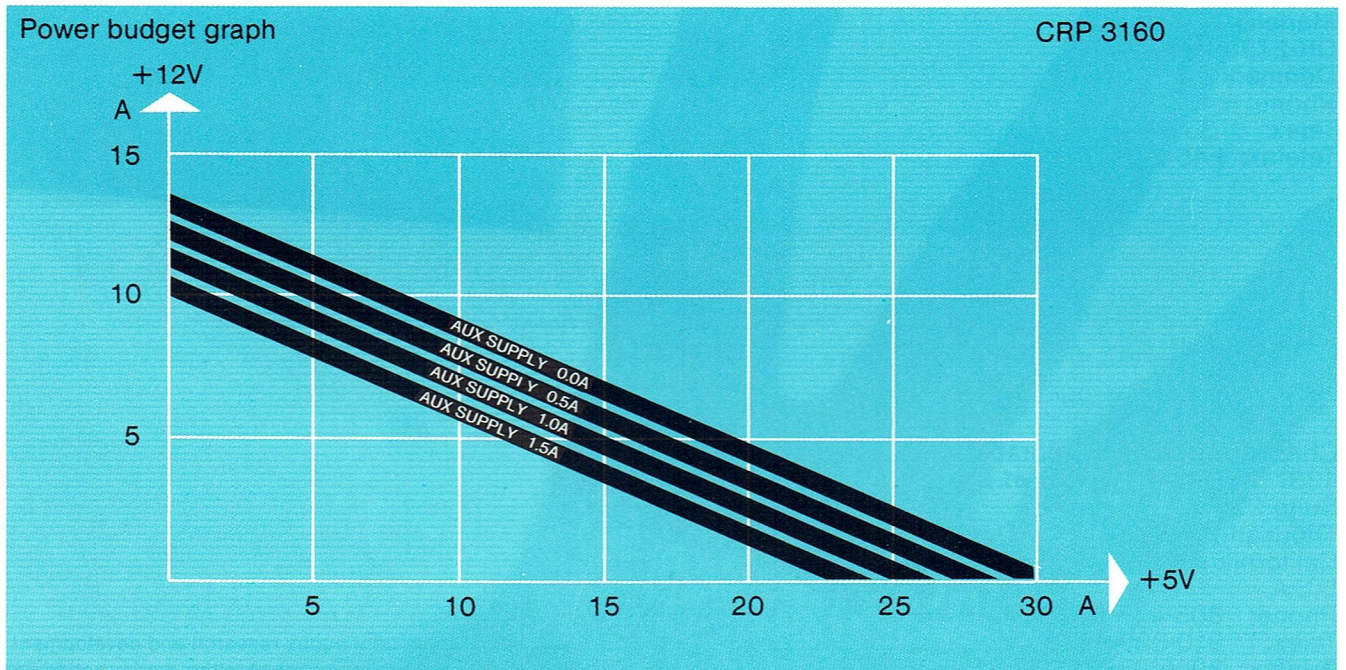


DIN 41612 H

													Input		
	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
	12V aux	+ 12V	RTN 12V aux	5V	5V	5V	RTN	RTN	RTN				+	÷	GND

General Specifications

Temp. stability	250 ppm/°C
Temp. operating range	0 - 55°C In free air
Temp. storage	-25°C - +85°C
Safety:	
Primary - earth/	3000 VDC
Secondary	



Christian Rovsing A/S



Power Systems Department in Herlev

For many years, Christian Rovsing A/S has demonstrated exceptional professional talent in the field of computer related power distribution. Efforts have been dedicated to the design and production of Switching Power Supplies to meet specific customer requirements from space and military standards to high-volume office automation.

Christian Rovsing A/S believes that by applying state of art technology and detailed understanding of computer systems requirements, it can deliver products with a uniquely long technological life time.

The exceptionally low component count makes the products extremely reliable and highly price competitive in high volume.

Several patents relating to power circuit design are held by the company.

Christian Rovsing
Marielundvej 46 B
DK-2730 Herlev
Denmark
Phone: +45 2 91 88 33
Telex: 35193 cr dk
Telefax: +45 2 84 29 50

Local Representative

Christian Rovsing Corporation
1337 Thousand Oaks Blvd.
Suite 220
Thousand Oaks
California 91362
U.S.A.
Phone: 805-497-6722
Telex: 910-336-5733
Telefax: 805-497-8271

Our products are under continuous research and development. Therefore, any information may change without prior notice.