

Basler Accessories



Technical Specification

POWER SUPPLIES 12 V, PLUGS 6P AND 12P

Order Numbers

2000031201

2000031202

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Order Number	Description	Applicable Cameras
2000031201	Power supply 12 VDC with 6-pin plug	ace GigE, aviator CL, sprint, racer, runner, L300
2000031202	Power supply 12 VDC with 12-pin plug	aviator GigE, pilot, scout GigE

Table 1: Power Supply Types

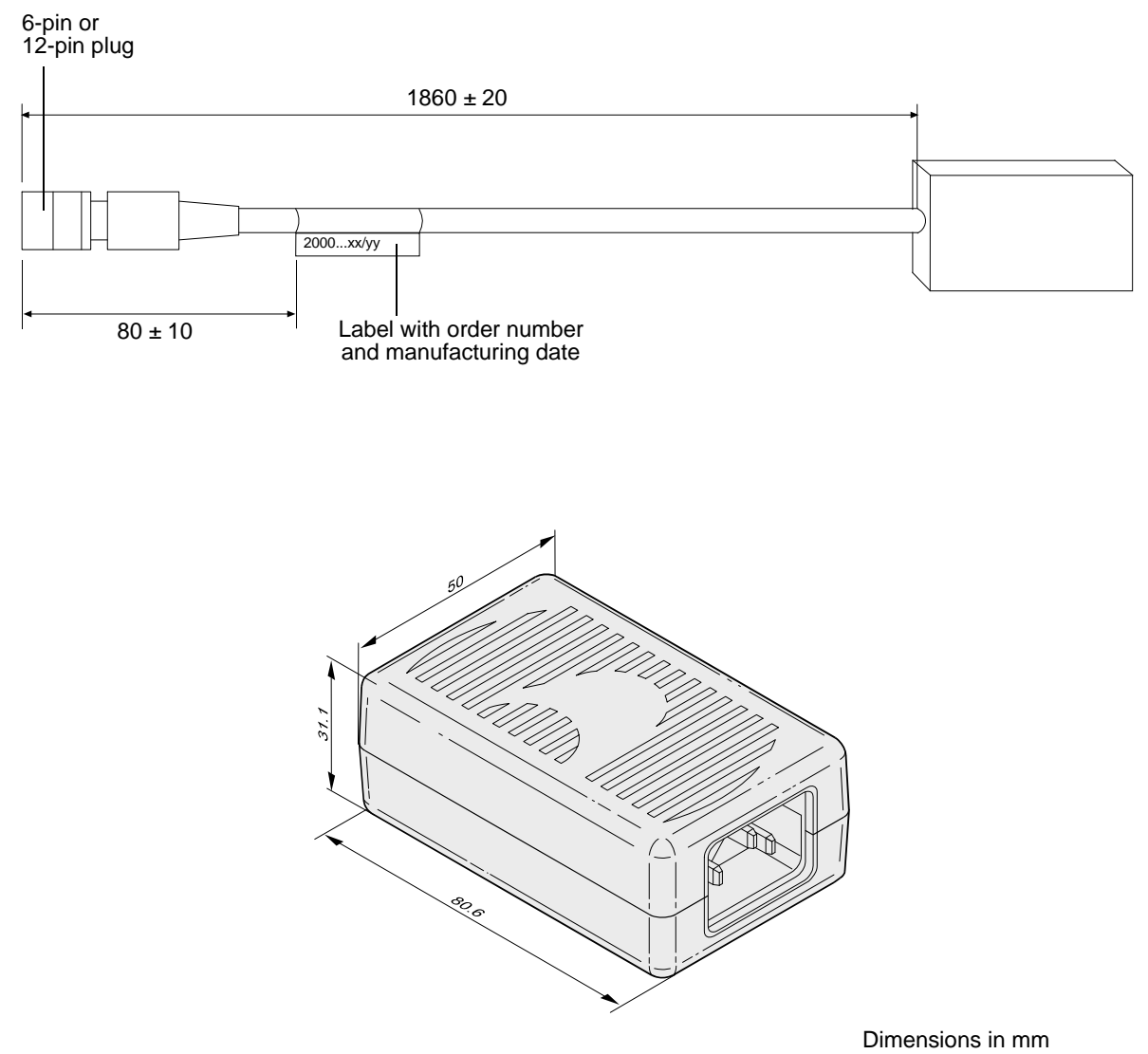


Fig. 1: Power Supply Overview

Physical Specifications

	2000031201	2000031202
DC Output Connector	6-pin plug for applicable cameras	12-pin plug for applicable cameras
AC Input Connector	IEC 60320 C14	
Housing Dimensions	80.6 mm x 50.0 mm x 31.1 mm \pm 1.0 mm	
Housing Material	94V-0 Polycarbonate	
Cable Diameter	4 mm max.	
Minimum Bending Radius (Cable)	35 mm, fixed installation	
Minimum Number of Bending Cycles (Cable)	None (for fixed installation only)	
Suitable for Drag Chain Applications	No	
Suitable for Robotics Applications	No	

Table 2: Physical Specifications

Electrical Specifications

		2000031201	2000031202
AC Input	Voltage Range	100 - 240 VAC	
	Current	0.6 A max.	
	Frequency Range	47 - 63 Hz	
DC Output	Voltage	12 VDC \pm 1 %	
Isolation Input/Output		Yes	
Earth Leakage Current		< 3.5 mA @ 240 VAC	
Turn-on Delay		1 s typical	
Inrush Current		30 A @ 115 VAC - 60 A @ 230 VAC	
Hold-up Time		8 ms @ full load	
Safety		SELV (Safety Extra-Low Voltage) LPS (Limited Power Source)	
Overvoltage at Output		Protected	
Short Circuit at Output		Protected (Auto Recovery)	

Table 3: Electrical Specifications

Environmental Specifications

	2000031201	2000031202
Operating Temperature Range	0 °C - 40 °C	
Humidity	0 % - 90 % relative, non-condensing	

Table 4: Environmental Specifications

General Specifications

	2000031201	2000031202
MTBF	200,000 hrs @ 25 °C ambient temperature	
Energy Efficiency	ENERGY STAR Version 2.0, Level V	

Table 5: General Specifications

Plug Specifications

	2000031201	2000031202
Durability	> 100 mating cycles	
Protection Rating	IP40	
Plug Insulation Material	Polyamide/PBT	

Table 6: Plug Specifications

General Information

	2000031201	2000031202
RoHS Compliance	Yes	
CE Conformity	Yes	
UL Conformity	Yes	
Warranty	1 year	

Table 7: General Information



The power supply is intended for use with the cameras specified in [Table 1](#) only.

An additional power cable is required for using the power supply. Suitable power cables and power cable extensions are available from Basler AG.

Read the camera user's manual including the safety warnings before connecting the camera to the power supply. The user's manual also contains further information about pin assignments, power requirements, as well as comprehensive information about installing and using the camera.

You can download the user's manual and related documents for your camera free of charge from the Basler website: www.baslerweb.com

Revision History

Doc. ID Number	Date	Changes
DG00108001000	7 Aug 2012	Initial release of this document.
DG00108002000	13 Aug 2012	Added the information that suitable power cords and power cord extensions are available from Basler AG.
DG00108003000	17 Mar 2015	Revised the document layout. Added the tables providing the physical specifications, electrical specifications, environmental specifications, general specifications, plug specifications, and general information. Added the information that an additional power cable is required for using the power supply.
DG00108004000	28 Jul 2017	Added maximum cable diameter in Table 2 on page 2 .