CGV20-100

LED power supply for 24Vdc constant voltage 4.2A (100 W) max., IP20, Built-in installation, non-dimmable Flicker free according to IEEE 1789



Electrical data

Input voltage(range)	180..240Vac
Rated input voltage(AC)	180..240Vac
Mains frequency	50/60Hz
Power factor	≥0.5 230 Vac
Input current	0.75A/230VAC Max 1.0A/180VAC Max
No-load loss	<0.5W
Inrush current	<40A
Output voltage	24Vdc
Output current	0-4.2A
Output power(nominal)	100W max
Efficiency	≥85%
Turn - on Delay Time	<1000mS /230VAC
MTBF	>50000h 25℃
Ripple & Noise	<300mV
Withstand Voltage	I/P-O/P: 1.5KVAC
Isolation Resistance	I/P-O/P 10M Ohms/VDC/25/70% RH
Dimmable	198*60*20mm(L*W*H)

Operating condition

Operating temperature range(ta)	-10...+40°C
Max.Surface temperature(tc)	65 °C
Permitted rel.humidity during operation	20···85%
Protection class	II
Type of protection	IP20

Protection

Short circuit protection	Yes (2)
Overcurrent protection	Yes (2) 110%
Overvoltage protection	Yes (1)
Overheating protection	Yes (1) 95°

(1) The output turns off and can be restored after correcting the problem and restarting the power supply.
(2) The output switches to "Hiccups" mode and can be restored after the problem has been resolved and the power supply restarted.

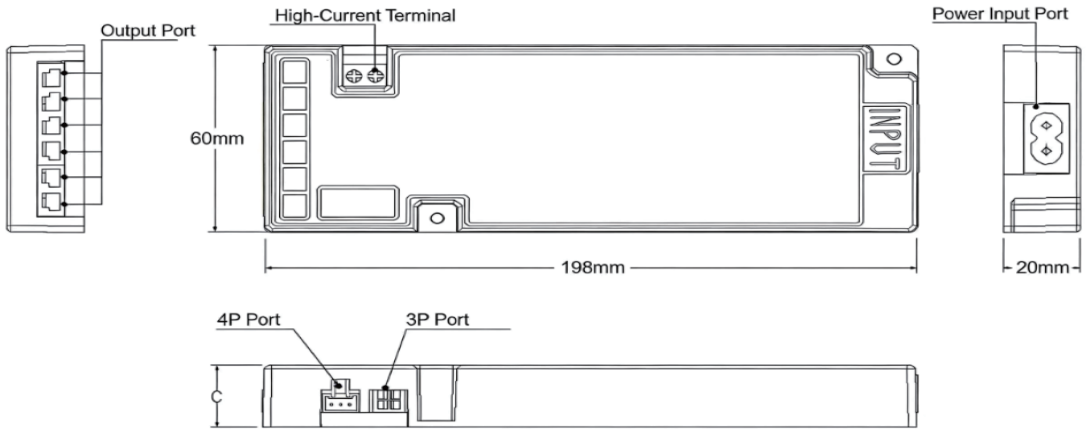
Standards & Certificates

Standards (LVD)	N/A
Standards (EMC)	N/A
Approval marks	N/A
RoHS compliant	N/A

Installation

Type of installation	Built-in installation
Type of connection	Connected double instulated cable
Cable length,input side	
Cable length,output side	
Cable preparation length,input side	
Cable preparation length,output side	

Dimension



Definition of AC Input Terminal Pinout

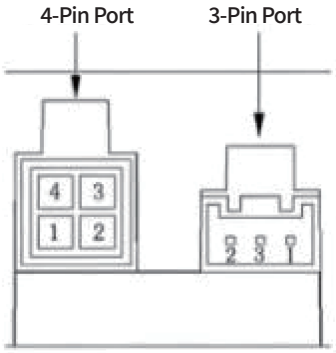
Pin Number	Pin Function	Terminal	Maximum Torque
1	AC/L	AC Socket DB-8-2	2Kgf-cm
2	AC/N		

Definition of DC output Terminal Pinout

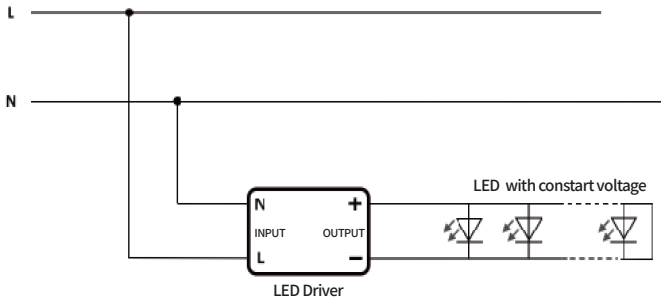
Pin Number	Pin Function	Terminal	Maximum Torque
1.2	-V	AC Socket DB-8-2	2Kgf-cm
3.4	+V		

Pin Number	4-Pin Port	Pin Description
1	Positive	Power Voltage 12~24V DC
2	Negative	Power Voltage 12~24V DC
3	Negative	Power Voltage 12~24V DC
4	Signal Control Terminal	12-24V PWM Analog Signal, Low-Level Trigger

3-Pin Port	Pin Description
Positive	Power Voltage 12~24V DC
Negative	Power Voltage 12~24V DC
Signal Control Terminal	12-24V PWM Analog Signal, Low-Level Trigger



Connect



Safty notice



Dangerous currents flow through the body when coming into direct or indirect contact with live components. This can result in electric shock. burns or even death. Work improperly carried out on current-carrying parts can cause fires.
Disconnect the mains power supply prior to installation and/or disassembly!
Permit work on the 230 V supply system to be performed only by specialist staff.