



Power supply unit, 1-phase, 230VAC/24VDC, 3A

Part no. **GW4-030-BA3**  
 Catalog No. **200016**

Similar to illustration

## Delivery program

			This item is only available until 12/18/2020, after which it will be replaced with the following item: 172892, PSG120E24RM
Product range			GW4 power supply units
Description			unregulated smoothed
Phases			Single-phase
Input voltage range			230 V AC
Nominal input voltage			230 V AC
Rated output voltage			24 V DC
Rated output current		A	3
For use with			easy... MFD... EC4P... XC-CPU... XIOC... PS4...

## Technical data

### General

Protection class			1
Potential isolation			Yes, VDE 0551, IEC/EN 60742, SELV
Supply frequency			
Rated value		Hz	50/60
Electromagnetic compatibility (EMC)			
Emitted interference			Class B (EN 55011, 22)
ESD	Air/contact discharge	kV	6 kV contact (Level 3), 8 kV air (Level 3), IEC/EN 61000-4-2
RFI			10 V/m, modulated, IEC/EN 61000 4-2
Burst			2 kV (Level 3) IEC/EN 61000-4-4
Surge			2 kV (Inst. Class 3), IEC/EN 61000-4-5
Surge voltage			4.9 kV, IEC EN 60947
Environmental compatibility			
Ambient temperature			-25 - 55
Ambient temperature, storage		°C	- -25 - 85
Overvoltage category/pollution degree			2, EN 50178
Vibration			0.075 mm (10 - 57 Hz), 10 cycles, IEC 60068-2-6
Shock resistance Shock duration 11 ms		g	15, IEC 60068-2-27 (3 shocks)
Altitude		m	Up to 2000 m a.s.l.; observe derating at higher altitudes
<b>Notes</b>			Derating From +44 to +55 °C: linear derating of power from 100 % to 93 %
Degree of Protection			IP20
Fixing			Screw fixing
Mounting position			As required
Heat dissipation		W	26

### Input voltage

Rated value		V AC	230
Range		V AC	230

Input current nominal value per phase	A	0.45
No-load losses	W	7.6
Short-circuit losses	W	15.5

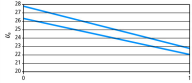
### Output voltage

Rated value	V DC	24
Residual ripple	%	≤ 5
Output current (nominal value)	A	3
Output current, range at 55 °C	A	0 - 3

### Terminal capacities

Solid	mm <sup>2</sup>	0.5 - 4
Flexible with ferrule	mm <sup>2</sup>	0.5 - 2.5
Connections		Screw connection
Weight	kg	2

### Fuse specification

Input current	I <sub>1</sub>	A	0.45
Circuit-breaker			
PKZ			PKZM0-0.63
Current setting		A	0.45
Miniature circuit-breaker			
FAZ			FAZ-S1/1
Short-circuit protection only			●
Current/voltage characteristics			

### Notes

Range of rated voltages U<sub>e</sub> at 230 V or 3 x 400 V AC (primary side)

and a load current of I = 0 A up to rated current 1 x I<sub>e</sub>

## Design verification as per IEC/EN 61439

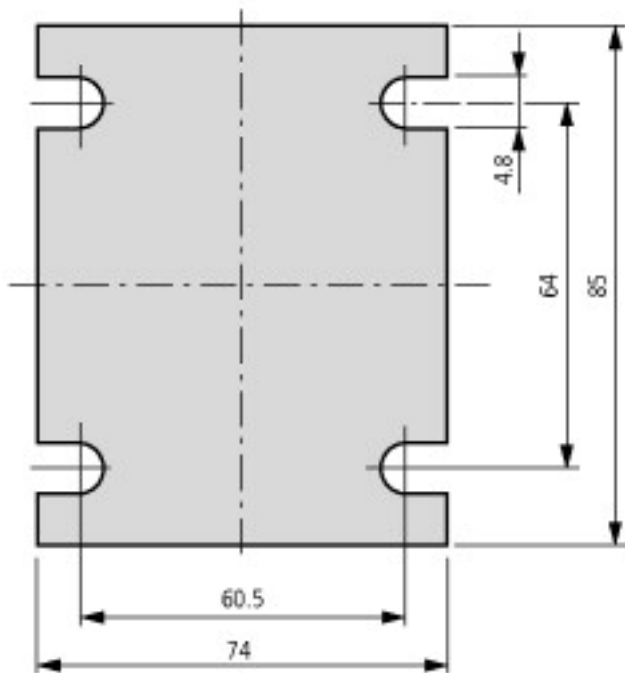
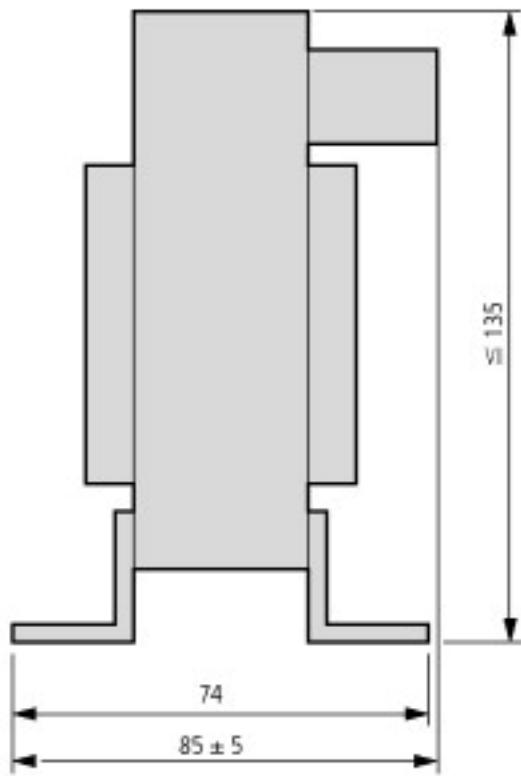
Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	26
Heat dissipation capacity	P <sub>diss</sub>	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures			
10.2.3.2 Verification of resistance of insulating materials to normal heat			
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			

10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## Technical data ETIM 6.0

PLC's (EG000024) / PLC system power supply (EC000599)		
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / SPS system power supply (ecl@ss8.1-27-24-22-09 [AKE532011])		
Input voltage at AC 50 Hz	V	0 - 0
Input voltage at AC 60 Hz	V	0 - 0
Input voltage at DC	V	0 - 0
Type of voltage (input voltage)		AC
Max. input current AC 50 Hz	A	0.45
Max. input current AC 60 Hz	A	0.45
Max. input current DC	A	0
Type of output voltage		DC
Output voltage at AC 50 Hz	V	0 - 0
Output voltage at AC 60 Hz	V	0 - 0
Output voltage at DC	V	0 - 0
Max. output current AC 50 Hz	A	0
Max. output current AC 60 Hz	A	0
Max. output current DC	A	3
Redundancy		No
Suitable for safety functions		Yes
Width	mm	85
Height	mm	122
Depth	mm	90

## Dimensions



<sup>1)</sup> Maximum space requirements