

POWERGEAR[®]

Version: 4.01

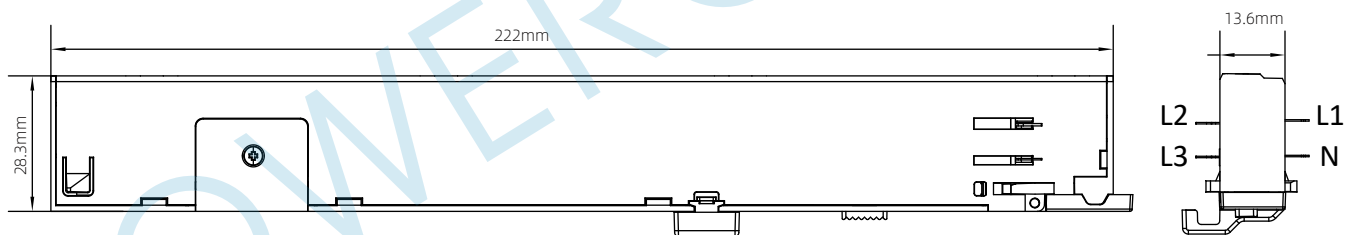
Datasheet I 4 wires 3 circuits invisible ultimate adaptor - 20W



Picture for reference only

Product code	PRO-UA420GST
Color	Black / Grey / White
Color code	RAL 9005/7040/9016
Main materials	PC UL94V0+Copper
Inner package QTY	N/A
Unit weight	106 g
Outer package QTY	100 PCS
Gross weight	11.2 Kg
Package size	535*265*350mm
Voltage & Max.load	220~240Vac, 50/60Hz, 20W, 50N

Dimensions



Notes:
Apply to POWERGEAR 3 circuits track system

Max units per circuit breaker:
B16:53
B10:33

DIP Switch



Current	1	2	3	Pout(W)	Uout(Vdc)
150mA	OFF	OFF	OFF	1.4-6.0	9-40
200mA	OFF	OFF	ON	1.8-8.0	9-40
250mA	OFF	ON	OFF	2.3-10.0	9-40
300mA	OFF	ON	ON	2.7-12.0	9-40
350mA	ON	OFF	OFF	3.2-14.0	9-40
400mA	ON	OFF	ON	3.6-16.0	9-40
450mA	ON	ON	OFF	4.1-18.0	9-40
500mA	ON	ON	ON	4.5-20.0	9-40

Notes:
Before use, choose the right current

Pout(W): COB Power



Specification

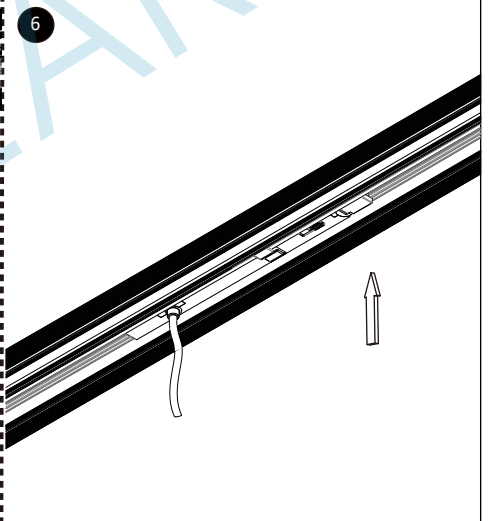
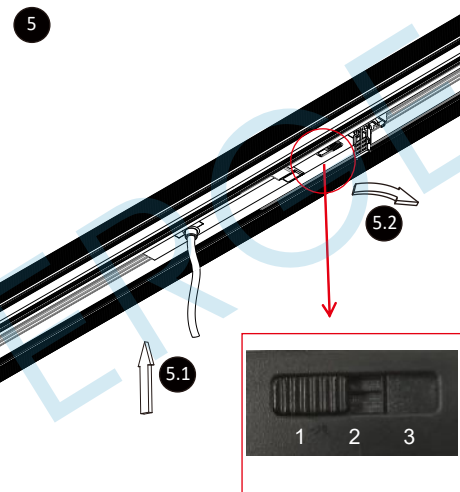
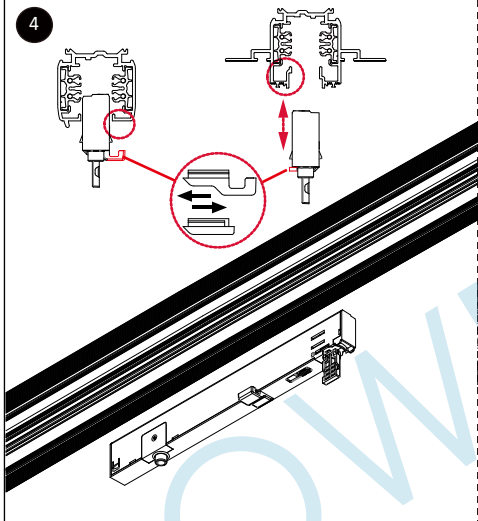
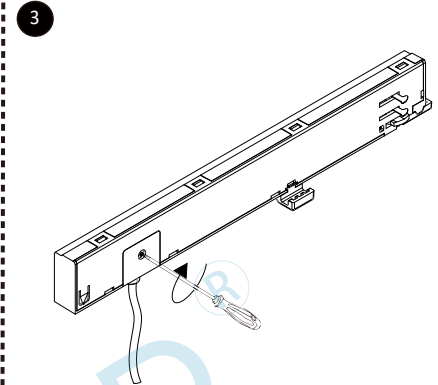
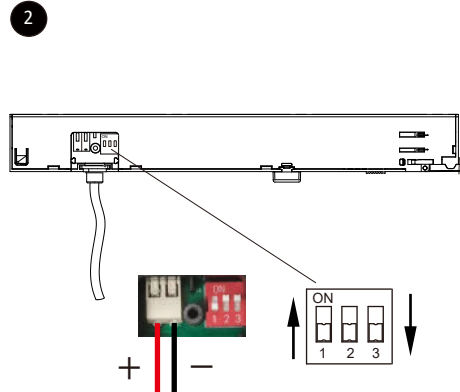
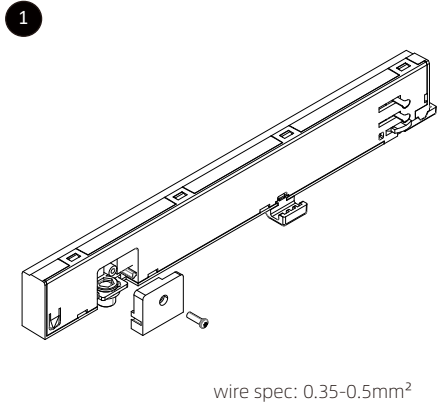
Voltage (Uin)	Nominal Voltage:220~240Vac; AC Voltage:198-265Vac
Current (Iin)	120mA Max.
THD	< 10%, @Full Load, 230Vac
Power factor	> 0.95, @Full Load, 230Vac 50/60Hz
Efficiency	88% @Full Load, 230Vac
Inrush current	< 90A (50% Ipeak, twidth=1.5us@AC240V)
Voltage (Uout)	9-40Vdc, Max Voltage 48Vdc Max.
Current (Iout)	150/200/250/300/350/400/450/500 mA ±5%
Power (Pout)	20W
Standards	IEC 61347,IEC 61000-3-2,IEC 61000-4-11,IEC 61000-4-2,IEC 55015...
Ta / Tc:	-20°C...35°C / 80°C
Surge:	L / N 1Kv, LN / PE 2Kv, acc. IEC 61000-4-5
Protection	Short-circuit, Open-circuit, Overvoltage
Expected Lifetime	50,000 hours

$P_{stLM} < 1$, $SVM < 0.4$
 Current Ripple < 3%
 (< 1000Hz, ripple/average)

Driver Typical Specification



Installation please read carefully before installing



Troubleshooting

1. The luminaire power abnormal: Please check the dip switch and ensure it's in the right position;
2. The in-track adaptor doesn't work: Please check the "+" and "-" polarity of the luminaire, do not reverse the connection, and ensure the wiring is firm;
3. The handle rotates difficultly: There is directional requirement when installing the product, please refer to Figure 4;
4. Unable to dismount from the track: Please refer to Figure 6. It cannot be dismounted if the operation sequence is wrong.

Disclaimer

1. It is forbidden to apply paint, glue, etc. to this product;
2. It is recommended to use POWERGEAR track system or the promised brand track;
3. This product is suitable for indoors, not outdoors;
4. This product has passed the safety and electromagnetic compatibility certification, because the margin of electromagnetic compatibility is related to the length of the lamp wire and the wiring method, please reconfirm before use;
5. If the structure or wiring of this product is not used/modified according to the instructions, resulting in damage to this product or related products, POWERGEAR doesn't continue to maintain the after-sales commitment;
6. Product optimization and version upgrade will not be prior noticed. Please refer to the actual product received. If you have any questions, please contact our sales staff in time;
7. POWERGEAR reserves the right of final interpretation of this product.

Notes:

1. The LED driver relies upon the luminaire enclosure for protection against accidental contact with live parts.
2. The LED driver is used for track system mounted on ceiling.
3. The components are unsuitable for the connection of inductive loads.
4. It is the user's responsibility to ensure electrical, mechanical and thermal compatibility between the track system and luminaires attached to it.

