



Constant Voltage Driver

Model: LV250W48VDC-X-TB-NX

**Fit the Stucchi Multisystem 9500 series track
Fit for Powergear 48V low voltage track**

Model	Item code	Rated Input Voltage	Input Current	PF	Output Power Range	Output Voltage	Output Current	Efficiency (typ.)
LV250W48VDC-W-TB-NX	157130	220-240VAC	≤1.5A	≥0.95	0-250W	48V	0-5.21A	92%
LV250W48VDC-B-TB-NX	157140	220-240VAC	≤1.5A	≥0.95	0-250W	48V	0-5.21A	92%

*** Test result @230V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	Output Features	Isolation
	Insulation Class	Class II
	IP Grade	IP20
Input	Rated Input Voltage	220-240VAC
	Range of Input Voltage	176-264VAC
	Frequency	50/60Hz
	Input Current	≤1.5A, 198VAC, Rated Load
	Input Power	≤272W (230VAC, full load)
	Power Factor	≥0.95 (230VAC, full load)
	THD	≤10% (230VAC, full load)
	Standby Power Consumption	≤0.5W @230VAC
	Inrush Current	≤80A/200us (230VAC, full-load)
	Connected quantity of 16A Breaker	12pcs, 16A type B / 19pcs 16A type C
Output	Output Voltage	48VDC ±3%
	No Load Voltage	48VDC ±3%
	Output Current	0 -5.21A
	Rated Output Power	250W
	Efficiency	≥90% (230VAC, full load)
	Started Delay Time	≤0.5S (220-240VAC)
	Output Ripple Voltage	<1% (220-240VAC, full load)

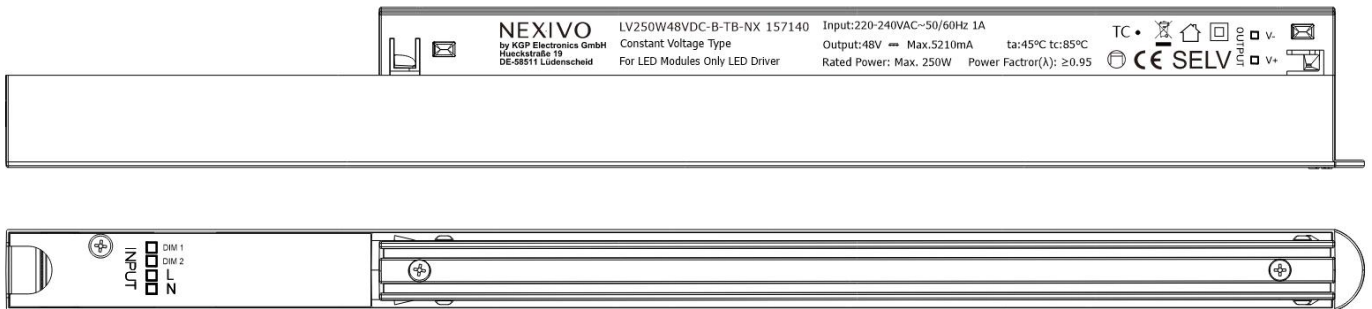
Protection	Short Circuit Protection	Auto Recovery
	Over Current Protection	120%~200%Io, Auto Recover
	No-load Protection	<50V, Auto Recovery
	Insulation voltage	I/P to O/P, 3KVac/5mA/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P to O/P < 250μA
Environment	Ta/Operation Temperature	-25...+45°C
	Ts/Storage Temperature	-40....+85°C
	Tc/Enclosure Temperature	<85°C
	Humidity	5%....85%RH
	Atmosphere	86-108KPa
Construction	Connection Method	Direct Lead
	Installation	Built-in
	PRI Wire preparation	NA
	SEC Wire preparation	NA
	Dimension	371X22X44mm (L*W*H)
	Color	White-RAL9010
		Black-RAL9016
Standards	Certification	TUV
	Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, GB19510.1, GB19510.14
	EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009, GB 17743, GB 17625.1
	Performance	EN62384
	Surge	L-N/2KV
Others	RoHS	Conform to RoHS
	Life Time	50000h @40°C (Ta)
	Warranty	5years F.R. <10000ppm

Remark

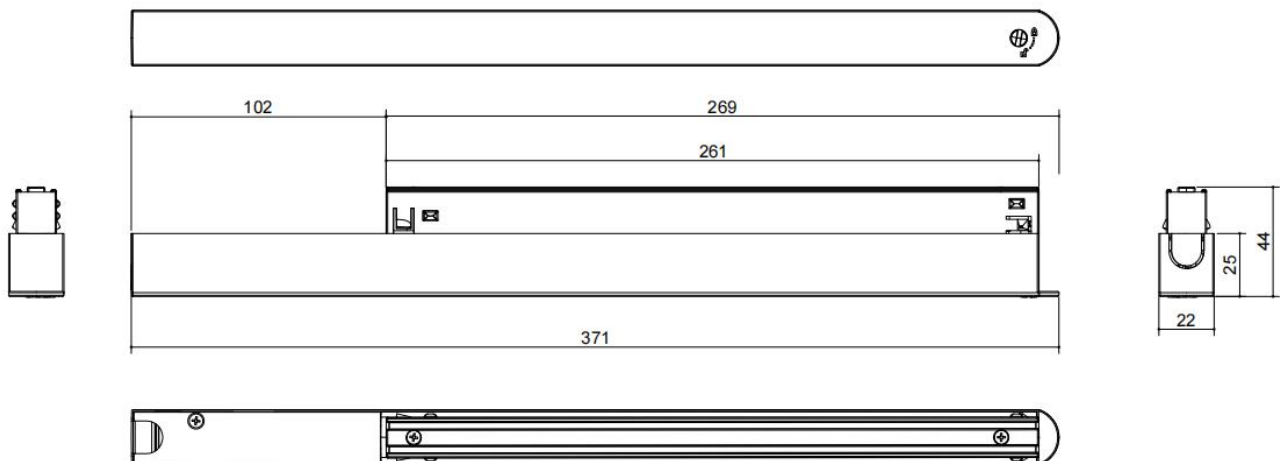
1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3. Safety warnings for products and installation
KGP recommends the usage of an opto-insulated repeater dali compatibel different modes:
- 2 different power supplier (2 circuits, 0-60V dc)
- 1 circuit for 60V dc and 1 circuit for Data B

2. Label

NEXIVO by KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	LV250W48VDC-W-TB-NX 157130	Input: 220-240VAC~50/60Hz 1A	TC •
	Constant Voltage Type For LED Modules Only LED Driver	Output: 48V → Max. 5210mA Rated Power: Max. 250W Power Factor(λ): ≥0.95	
NEXIVO by KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	LV250W48VDC-B-TB-NX 157140	Input: 220-240VAC~50/60Hz 1A	TC •
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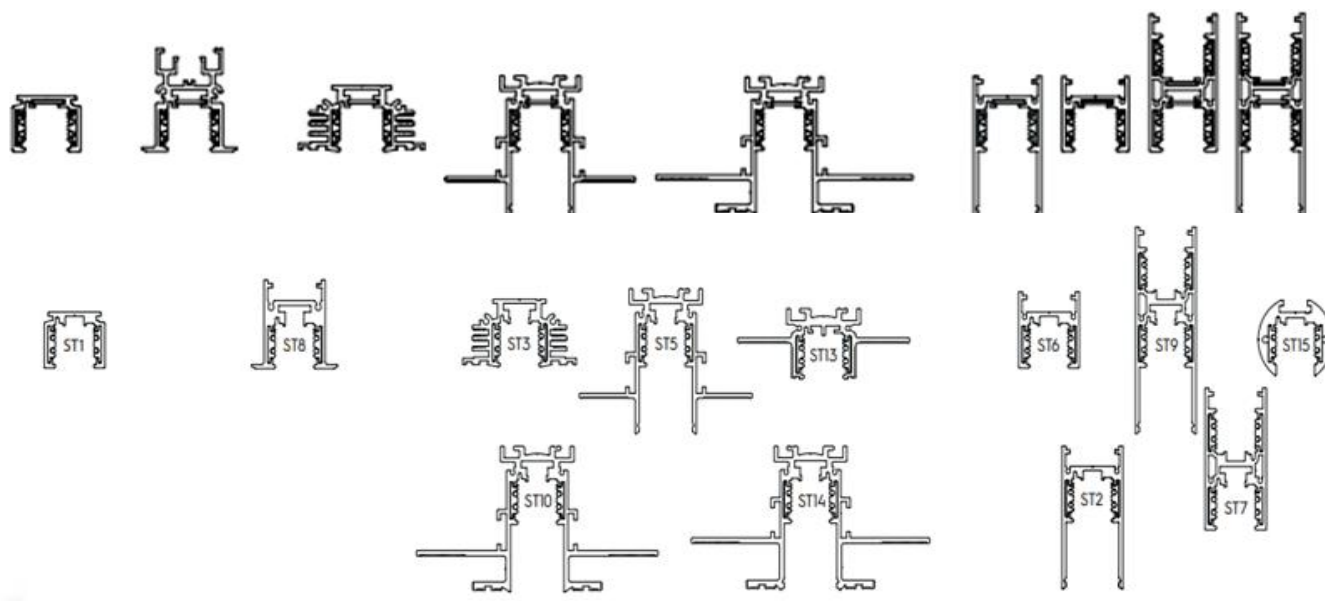


3. Dimension (Unit: mm)

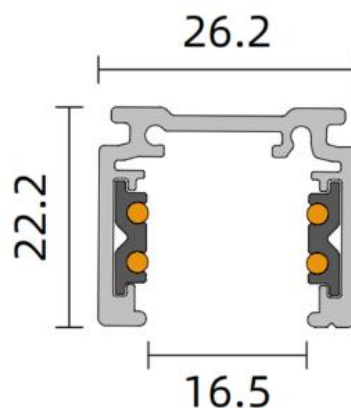
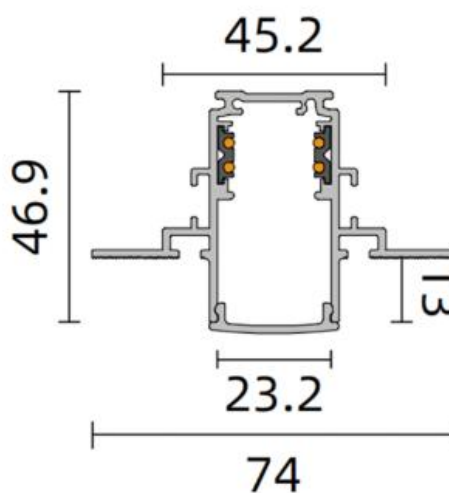


Compatible Track

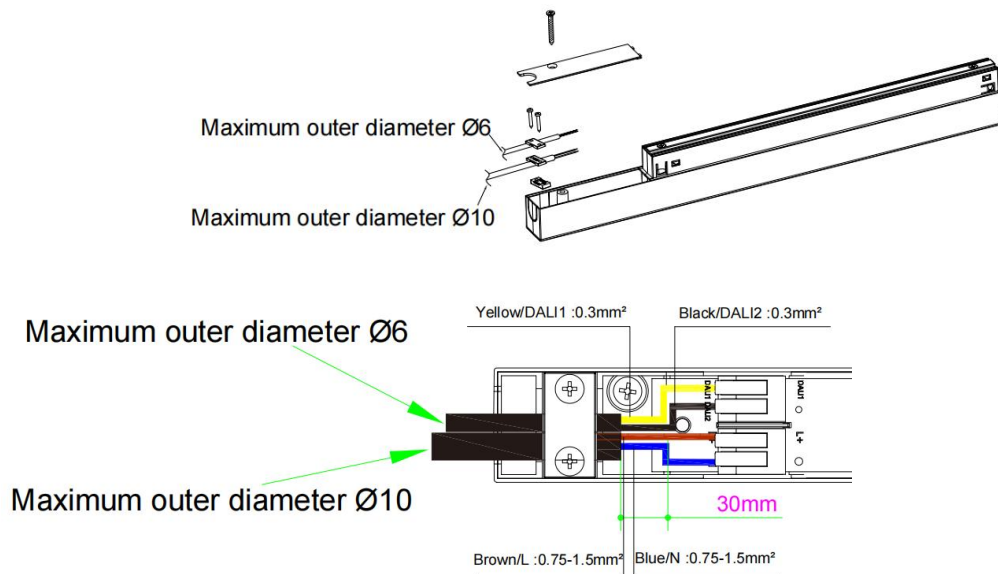
Stucchi Multisystem 9500 series track



Powergear 48V low voltage track



Wiring method



4. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
With white box and manual	LV250W48VDC-W-TB-NX	395*315*170	30	0.39	11.7	12.9
	LV250W48VDC-B-TB-NX	395*315*170	30	0.39	11.7	12.9

5. Ordering data

Model No	Item code
LV250W48VDC-B-TB-NX	157140
LV250W48VDC-W-TB-NX	157130

6. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release
2026.13.06	V0.02	Add color option