



48V DC Adapter

Constant Voltage Driver

Model: DRS48V-150-500-B

High efficiency

Easy for installation

Compatible with Stucchi Multisystem

9500 & EVO & Powergear

Fully integrate into track

Model	Item code	Rated Input Voltage	Output Current	Input Power	Efficiency (typ.)	Output Voltage
DRS48V-150-500-B*	131981	48VDC	150mA	7W	92%	3-43V
			200mA	9W	92%	
			250mA	12W	92%	
			300mA	14W	92%	
			350mA	16W	90%	
			400mA	18.6W	90%	
			450mA	21W	90%	
			500mA	23.3W	90%	

- Test result @48VDC, Full Load.
- Factory preset output current range 150mA

Current Selection Table

☐	☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐	☐ ☐ ☐ ☐
ON	OFF	350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
		3-43V	3-43V	3-43V	3-43V	3-43V	3-43V	3-43V	3-43V

Remark: Function default setting is: 350mA (@switch are all OFF state)

- "*" means if you need the housing:

"*"	Housing+M8 screw	Housing + M10 screw	PCB only
(Empty)			√
-H8	√		
-H10		√	

48V DC Adapter

1. Parameters

category	Item	Technical Norm		
Features	Output Type	Constant current		
	Dimming Type	NA		
	Output Features	Isolation SELV		
	IP Grade	IP20		
	Installation	Independent		
	Insulation Class	Class III		
Input	Rated Input Voltage	48VDC±3%(No polarity)		
	Input Current	0.74A		
Output	Output Voltage	3-43VDC		
	Output Current	0.15-0.5A		
	Output Power Range	1.5-23W		
	Start-up Time	<0.5S (48VDC)		
	Efficiency	≥90%	92% typ.	48VDC, Rated Load
Protection	Short Circuit Protection	Auto Recovery		
	Over Voltage Protection	120%-150%Vo, Auto Recovery		
	Over Temperature Protection	90<Tc<110℃, Auto Recovery		
Environment	Ta/Operation Temperature	-25....+40℃		
	Ts/Storage Temperature	-40....+85℃		
	Tc/Enclosure Temperature For Safety	85℃		
	Humidity	5%....85%RH		
	Atmosphere	86-108KPa		
Standards *	Certification	CE		
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015, AS61347.2.13:2018,AS/NZS 61347.1:2016 Inc A1		
	EMC Standards	EN55015:2013/A1:2015,EN61000-3-2:2014,EN61000-3-3:2013, EN61547:2009		
	Performance	EN62384		
	Surge	L-N:2KV		
Others	RoHS	2011/65/EU		
	MTBF	≥250KHours,Ta=25℃(MIL-HDBK-217F)		
	Audible Noise	<25dB @ 10cm distance, 20dB background		
	Life Time(@Ta max)	≥50K Hrs	@48VDC , full load, End of Life: Failure Rate<10%	
	Warranty	5years		
	Dimensions (L*W*H)	Checking drawing		

Remark:

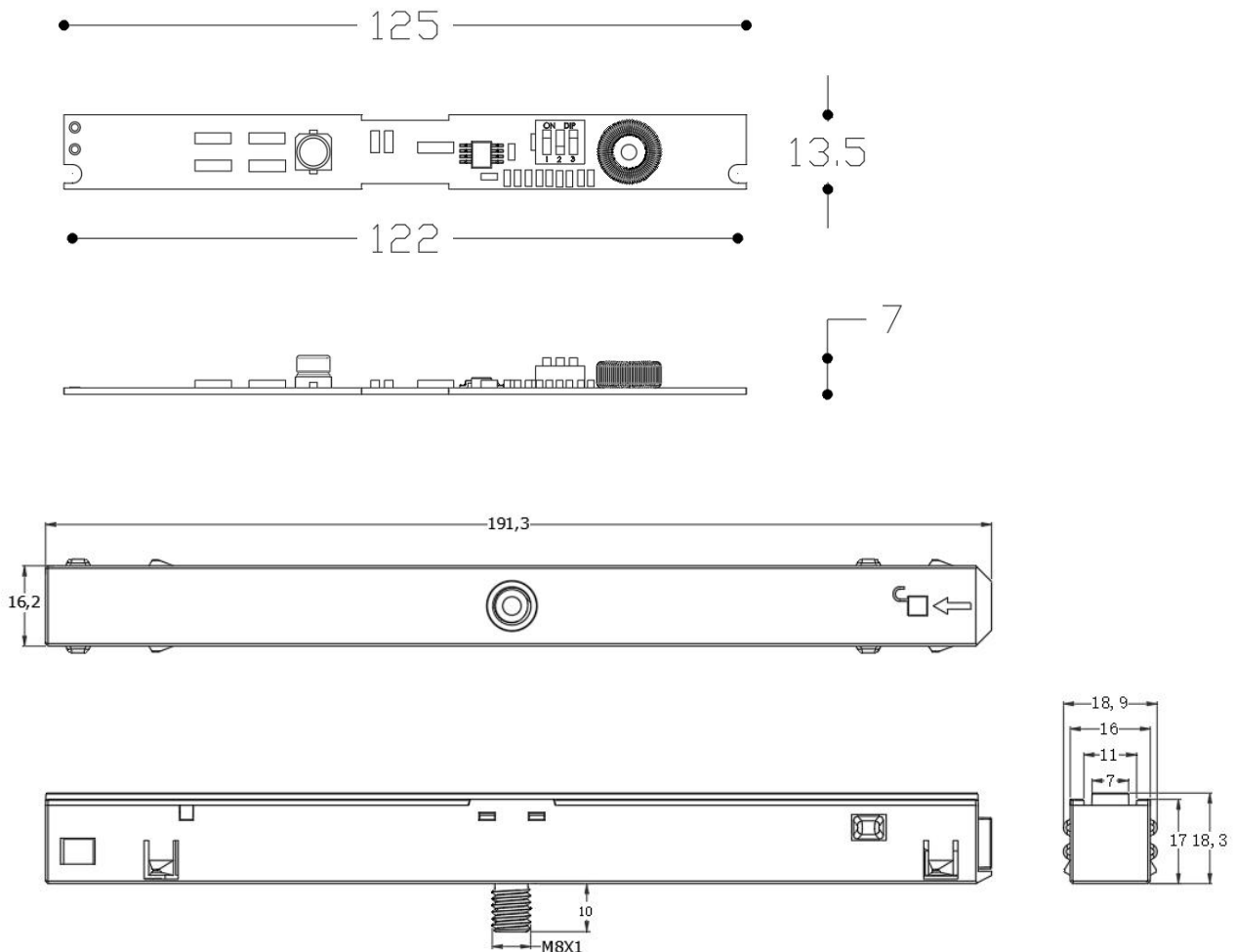
1. All Parameters, if not specified, are measured at 48VDC and 25℃ ambient temperature.
2. Need to be tested with the AC-DC driver of our company
3. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the

48V DC Adapter

EMC with end products again.

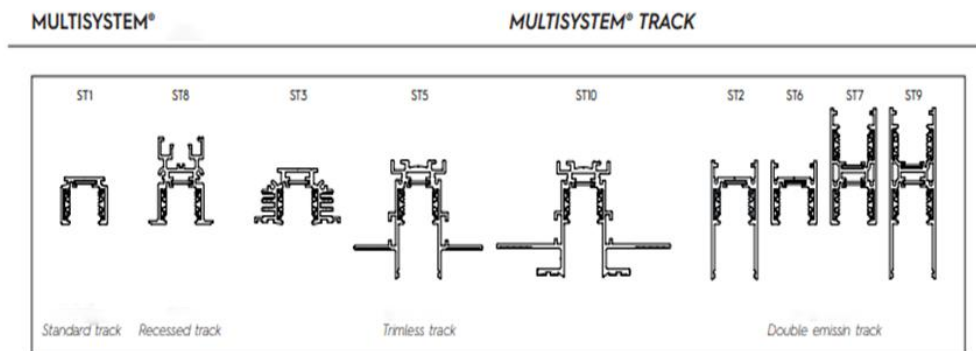
4. Output ripple should be measured at the output end which has with 0.1uF/100V ceramic capacitance and 47uF/100V Aluminum capacitance connected in parallel. Measured using oscilloscope with bandwidth limited to 20MHz.

2. Dimension (Unit: mm)

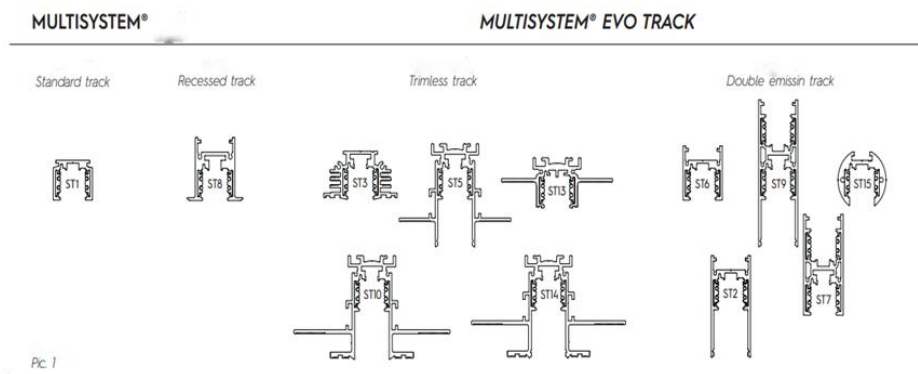


Compatible Track

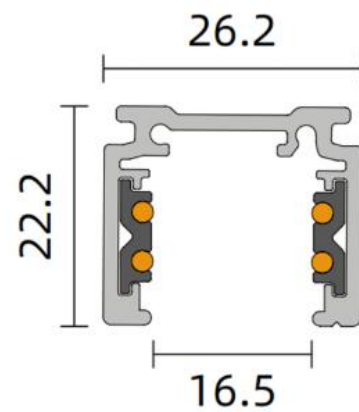
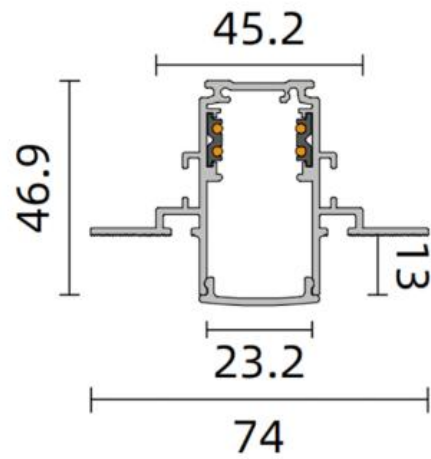
Stucchi Multisystem 9500 series track



48V DC Adapter



Powergear 48V low voltage track



48V DC Adapter

3. Label

Only batch number stick in the PCB

4. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/C arton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
Without white box and manual	DRS48V-150-500-B	395*310*180	450	0.032	3.2	4

5. Ordering data

Model No	Item code
DRS48V-150-500-B	131981
DRS48V-H8	132261
DRS48V-H8_W	132271
DRS48V-H10	132221
DRS48V-H10_W	132241

6. REVISION HISTORY

Date	Revision	Remark
2021-06-13	1.0	Preliminary Edition
2021-10-01	2.0	Official Edition
2023-09-11	3.0	Add the option of housing
2025-08-06	4.0	Add item code