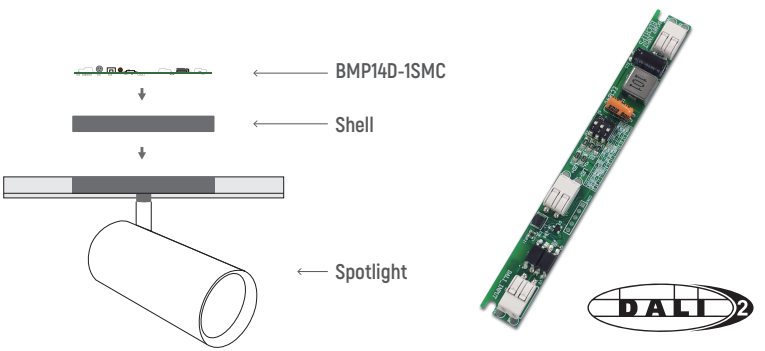


BMP14D-1SMC (Product No.:202100050101)

BMP14D-1SMC is a DC/DC constant current output LED driver.The output current can be set via DIP switch.It can be controlled by DALI master, and the dimming curve is smooth and flicker free.

Product Feature

- Output current 120-350mA, can be set via DIP switch
- Compliant with DALI 2.0 standard protocol
- Mixed dimming PWM+CCR, no flicker
- Short circuit protection, overload protection,no load protection,Input reverse connection
- Built-in driver
- Hot plug for input port and non polarized



Technical Parameters

Model	BMP14D-1SMC				
Input	Efficiency	93%			
	Voltage	42-52VDC			
	Current	0.32Amax@48VDC, full load			
	Standby Power	<0.3W			
Output	Current/Voltage/Power	120mA/9-40VDC/4.8W	150mA/9-40VDC/6W	180mA/9-40VDC/7.2W	210mA/9-40VDC/8.4W
		250mA/9-40VDC/10W	280mA/9-40VDC/11.2W	300mA/9-40VDC/12W	350mA/9-40VDC/14W
	Accuracy	±8%[9-40VDC]			
	Out put lf current ripple(< 120Hz)	Same as LF ripple on 48V bus			
Function	Dimming mode	DALI 2.0 Dimming			
	Dimming depth	1%			
Protection	No-load operation	The led driver will not be damaged in no-load operation			
	Short circuit	Shut down the output self-recovery after removing the fault			
	Over load	When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.			
	Input reverse connection	Operation normally			
	Hot plug	Input Support			
Others	Pcb Dimension	125*14*10mm (L*W*H)			
	Packing(weight)	Net weight: 15g±5%/PCS; 200PCS/Carton; 3.7kg±5%/Carton; Carton Size: 276*180*136mm(L*W*H)			
	Operating Temperature	-20℃ ~ 60℃			
	Tc	90℃			
	Life	50000 hours @ta:50℃			
	Storage Temperature	-40~80℃			
	Relative Humidity	20~90% RH			

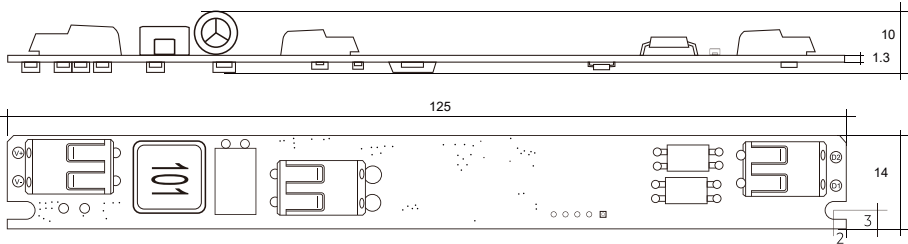
Safety Standard :

- EN 61347-1
- EN 61347-2-13
- EN 62384
- EN 62386-101
- EN 62386-102
- EN 62386-207

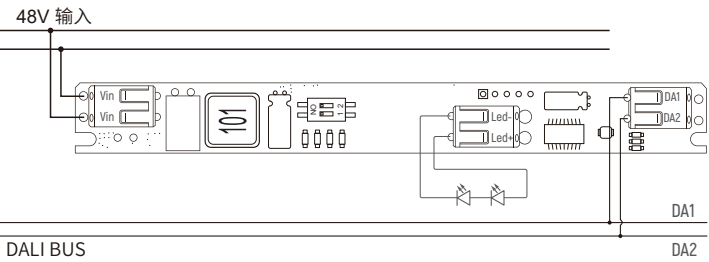
Suitable For Stucchi

- STUCCHI
- 9519-166/...
- 9519-166-k/..

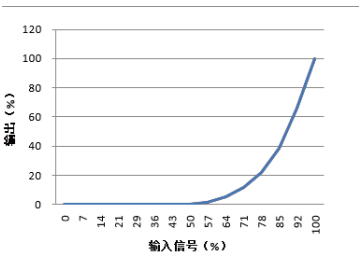
Dimension(mm)



Wiring Diagram



Dimming Curve



Current Selection Table

☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
ON	OFF	1	2	3					
		120mA	150mA	180mA	210mA	250mA	280mA	300mA	350mA
		9-40V	9-40V	9-40V	9-40V	9-40V	9-40V	9-40V	9-40V

Remark: Function default setting is: 120mA (@switch are all OFF state)

Warning

- 1.Due to safety concerns, cord of 0.75-1.5mm² is recommended.
- 2.Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 3.In case of malfunction, do not repair it yourself

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail.Please contact us if you have any questions.

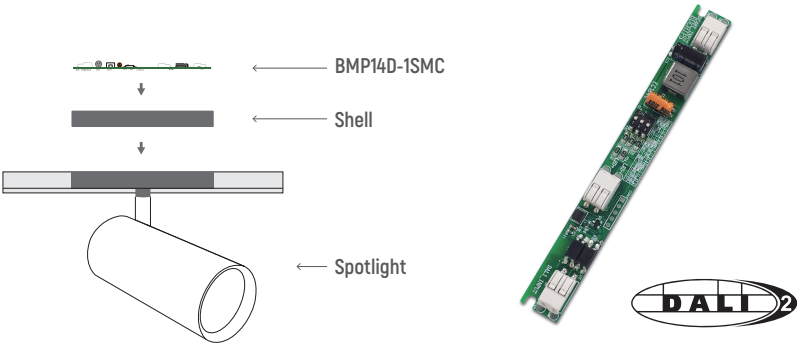
BMP14D-1SMC [产品代码:202100050101]

概述

BMP14D-1SMC 是一款DC/DC恒流输出的LED驱动器,输出电流可以通过拨码设置,用DALI主控调光,曲线平滑、无闪烁。

产品特点

- 输出电流120-350mA,可以通过拨码设置
- 符合DALI 2.0标准协议
- 混合调光PWM+CCR, 无频闪
- 短路保护, 过载保护, 空载保护, 输入反接保护
- 内置驱动,
- 输入支持热插拔



型号	BMP14D-1SMC				
输入	效率	93%			
	电压	42-52VDC			
	电流	0.32A			
	待机功耗	<0.3W			
输出	电流/ 电压/ 功率	120mA/9-40VDC/4.8W 250mA/9-40VDC/10W	150mA/9-40VDC/6W 280mA/9-40VDC/11.2W	180mA/9-40VDC/7.2W 300mA/9-40VDC/12W	210mA/9-40VDC/8.4W 350mA/9-40VDC/14W
	电流精度	±8%[9-40VDC]			
	低频电流纹波(<120Hz)	同48V输入			
	通道	1			
功能	调光方式				
	调光深度	1%			
保护	空载保护	驱动不易损坏			
	短路保护	关断输出, 移除故障后自恢复			
	过载保护	超过输出电压时, 输出电流下降, 减轻负载自动恢复			
	输入反接保护	可以正常输出			
	热插拔	输入支持热插拔			
其他	PCB尺寸	125*14*10mm (L*W*H)			
	包装尺寸(重量)	净重: 15g±5%/PCS; 200PCS/Carton; 3.7kg±5%/ 箱; 外箱尺寸: 276*180*136cm[长*宽*高]			
	工作温度	-20 C ~ 60 C			
	tc	90 C			
	寿命	50,000小时@ta:50 C			
	存储温度	-40~80 C			
	相对湿度	20~90% RH			

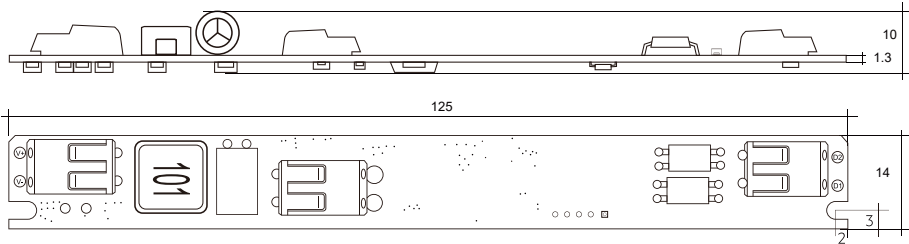
安全标准:

- EN 61347-1
EN 61347-2-13
EN 62384
EN 62386-101
EN 62386-102
EN 62386-207

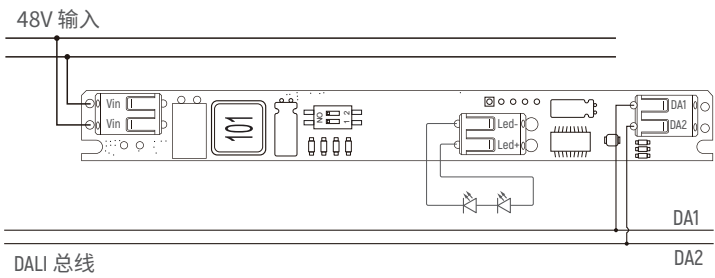
适用外壳:

- STUCCHI
- 9519-166/...
- 9519-166-K/...

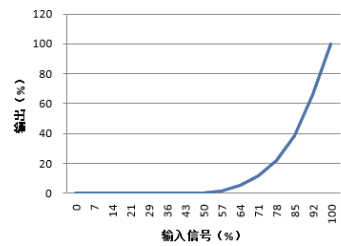
外观尺寸(mm)



接线图



调光曲线



电流选择表

ON	OFF	1	2	3	4	5	6	7	8	9	10
		120mA	150mA	180mA	210mA	250mA	280mA	300mA	350mA		
		9-40V	9-40V	9-40V	9-40V	9-40V	9-40V	9-40V	9-40V		

备注：出厂默认设置电流为120mA(1,2,3在OFF状态)

注意事项

- 1、出于安全考虑，推荐用0.75-1.5mm²线材，以免电线过热或接触不良触发事故。
- 2、通电调试前，应确保所有接线正确，避免因接线错误而导致灯具损坏。
- 3、如果发生故障，请勿私自维修；如果有疑问，请联系供应商。

※ 本说明书内容如有更新，恕不另行通知。若您使用的产品功能与说明书不一致时，请以产品为准。
如有疑问请与我们联系。