

# ALIMENTATION DALI PUSH DIM : 52030

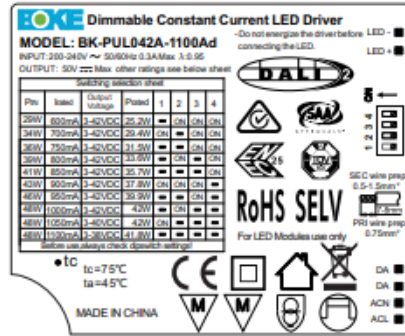


ATTENTION :  
L'alimentation est réglée en usine pour 950mA



BK-PUL042A-1100Ad

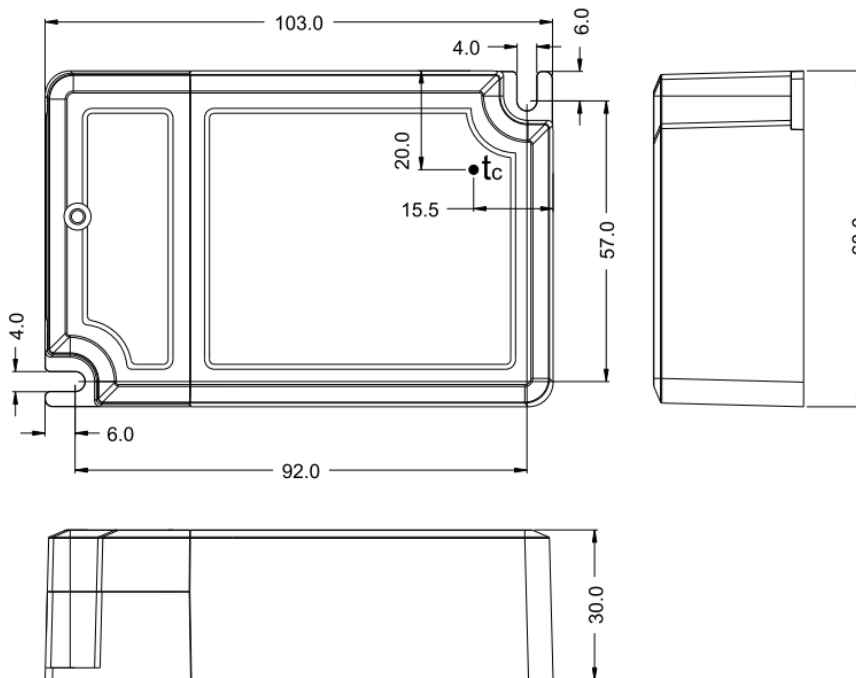
PIN typ.	Irated	Output Voltage	1	2	3	4
29W	600mA	42VDC		ON	ON	ON
34W	700mA	42VDC	ON	--	ON	ON
36W	750mA	42VDC	--	--	ON	ON
39W	800mA	42VDC	--	ON	--	ON
41W	850mA	42VDC	--	--	--	ON
43W	900mA	42VDC	ON	ON	ON	--
46W	950mA	42VDC	--	--	ON	--
48W	1000mA	42VDC	--	ON	--	--
48W	1050mA	40VDC	ON	--	--	--
48W	1100mA	38VDC	--	--	--	--



Afin de procéder au changement du courant de sortie en fonction du produit, il faut régler les switches dans le but d'avoir le courant et la puissance correspondantes:

ATTENTION :

Se tromper peut endommager le produit, bien vérifier que le courant sélectionné correspond à la bonne puissance du produit.



## ■ 1~10VDC / 10V PWM signal dimming

Ne pas connecter «DIM-» à «LED-» ou «DIM+» à «LED+»

A propos du 1-10V

Procédé à un test sur quelques unités seulement avant l'installation principale

Le nombre d'alimentation et la longueur de câble sont déterminés par:

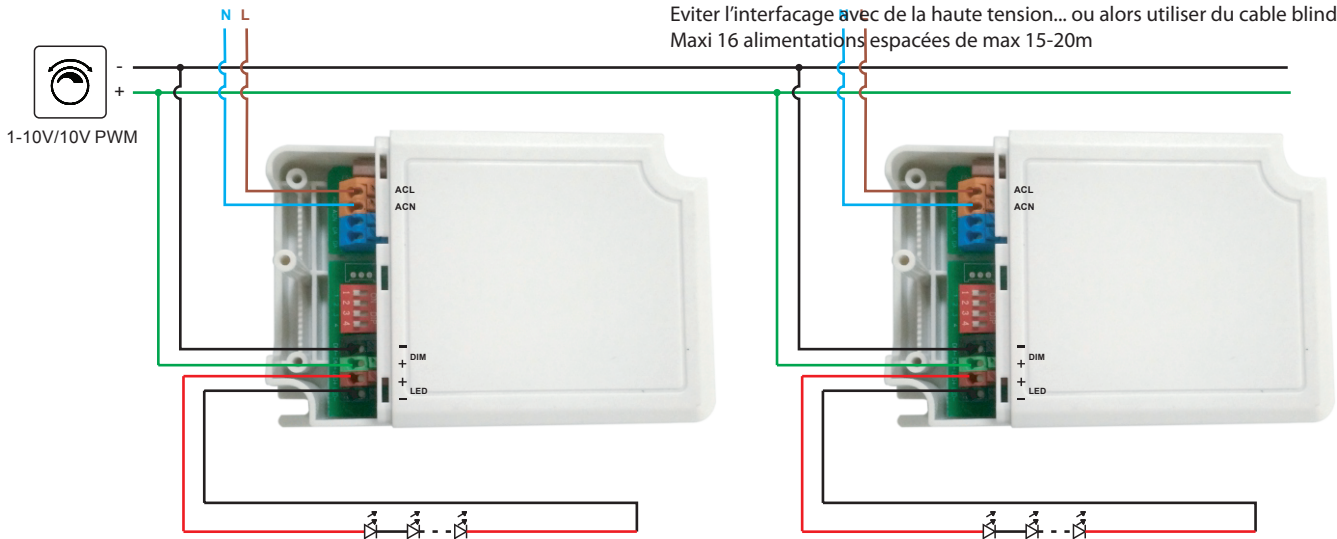
Capacité du dimmer (courant de sortie)

Les interfaces de l'alimentation consomment du courant (moins de 1mA)

La dimension des câbles d'alimentation. Nous recommandons <20AWG

Eviter l'interfacage avec de la haute tension... ou alors utiliser du câble blindé

Maxi 16 alimentations espacées de max 15-20m



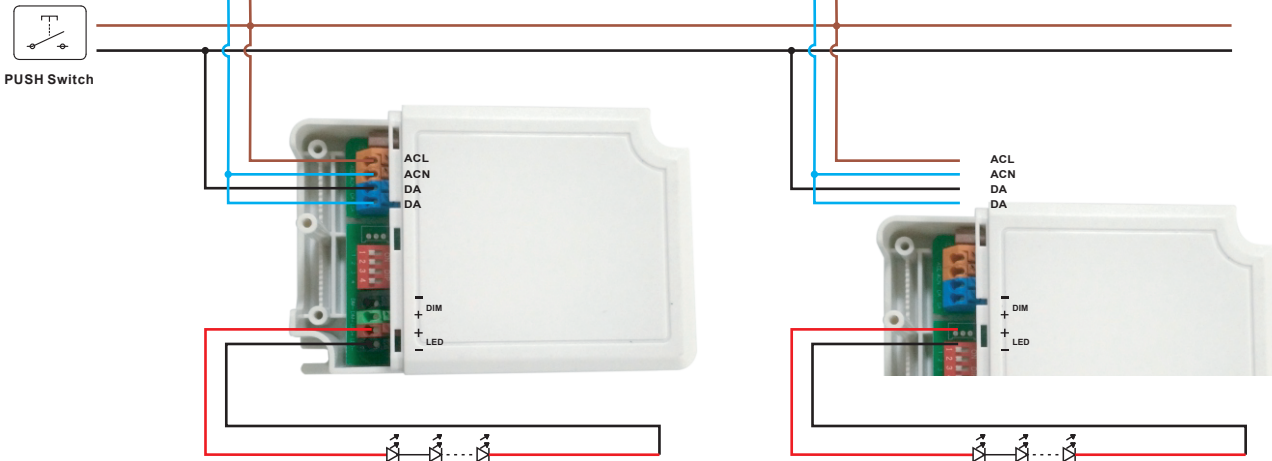
## ■ Multi machine parallel synchronous dimming

Synchronisation du dimming en parallèle

Synchronisation jusqu'à 16 alimentations

Maximum 15 mètres de câbles entre chacuns des produits

PUSH-DIM



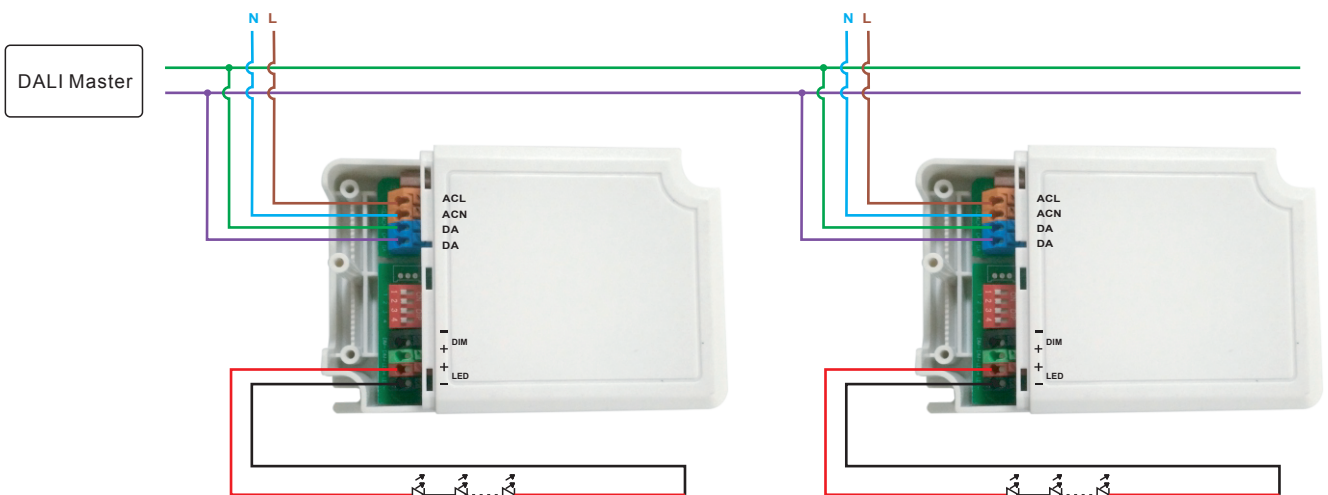
Le protocole DALI comprend 16 groupes et 64 adresses

DALI protocol comprises 16 groups and 64 addresses.

DALI INPUT	MIN	TYP	MAX
high level	9.5V	16V	22.5V
low level	-6.5V	0V	6.5V

La distance Maxi du câble Dali est de 300m en 2x1.5mm<sup>2</sup>

DALI



 ELECTRICAL SPECIFICATION

MODEL		BK-PUL030A-0700AD	BK-PUL042A-0700BD	BK-PUL042A-1100AD	BK-PUL060A-2000AD	
OUTPUT	DC CURRENT	0.25-0.7A	0.25-0.7A	0.6-1.1A	0.8-2.0A	
	DC VOLTAGE RANGE	3-42V	3-84V	3-42V	3-42V	
	RATED POWER	29.4W Max	42W Max	42W Max	61.2W Max	
	RIPPLE & NOICE Note.2	200mV	200mV	200mV	200mV	
	CONSTSNT CURRENT ADJ. RANGE	DIP S.W	DIP S.W	DIP S.W	DIP S.W	
	CONSTANT CURRENT ACCURACY	±20mA	±20mA	±30mA	±40mA	
	LINE REGULATION	±20mA	±20mA	±30mA	±40mA	
	LOAD REGULATION	±20mA	±20mA	±30mA	±40mA	
	DALI port input current	≤ 2mA				
	External PWM interface	N/A				
INPUT	RATED VOLTAGE	200-240VAC 200-240VDC				
	INPUT AC VOLTAGE RANGE	180-264VAC				
	INPUT DC VOLTAGE RANGE	180-264VDC				
	FREQUENCY RANGE	47-63Hz				
	POWER FACTOR	PF>0.95 @ 230VAC/full load,PF>0.90 @ 230VAC/>50% load				
	TOTAL HARMONIC DISTORTION	THD<15% @ 230VAC/full load,THD<20% @ 230VAC/>50% load				
	EFFICIENCY (Typ.)	87%	89%	88%	90%	
	STANDBY POWER Note.3	<0.5W @ 230Vac	<0.5W @ 230Vac	<0.5W @ 230Vac	<0.5W @ 230Vac	
	INPUT CURRENT	<0.2A @ 230Vac	<0.3A @ 230Vac	<0.3A @ 230Vac	<0.4A @ 230Vac	
	INRUSH CURRENT	Cold start <30A(Twidth=120us measured at 50% Ipeak) @ 230Vac.				
	LEAKAGE CURRENT	<0.7mA @ 230Vac				
	TURN ON DELAY	<0.5S @ 230Vac				
PROTE- CTION	SHORT CIRCUIT	Hiccup,recovers automatically after environment temperature declines				
	Max Output Voltage	50V	100V	50V	50V	
	OVER TEMPERATURE	Hiccup,recovers automatically after fult condition is removed				
ENVIRO- HMENT	OPERATION TEMPERATURE	-20-45°C				
	OPERATION HUMIDITY	10-90%RH non-condensing				
	STORAGR TEMPERA-TURE/HUMIDITY	-40-80°C 5-95% RH				
	IP CLASS	IP20				
	VIBRATION	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes				
	Tc	PUL030A:Tc=75°C (Ta=45°C) PUL042A:Tc=75°C (Ta=45°C) PUL060A:Tc=80°C (Ta=45°C)				
	MTBF	50000H min.,MIL-HDBK-217F(45°C)				
EMC	EMC EMISSON Note.4	Compliance to EN55015,GB17743,EN61000-3-2 Class C(≥50% load),EN61000-3-3				
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,1,EN61547,surge:DM 2KV				
SAFETY	SAFETY STANDARDS	EN61347-1/2-13,GB19510.1/14 EN62384				
	DALI STANDARDS	IEC62386-101, 102, 207				
	CERTIFICATE	CE-SUD,ENEC,CCC,SAA,RCM				
	WITHSTAND VOLTAGE	I/P-O/P:3750V				
	LEAKAGE CURRENT	<0.7mA @ 230Vac				
	ISOLATION RESIS-TANCE	I/P-O/P:100MΩ/500Vdc/25°C/70% RH				
PACKAGE	DIMENSION	L103*W68*H30mm	L103*W68*H30mm	L103*W68*H30mm	L123*W79*H31mm	
	CARTON	L490*W340*H165mm	L490*W340*H165mm	L490*W340*H165mm	L450*W340*H180mm	
	SINGLE WEIGHT	0.14KG	0.16KG	0.16KG	0.24KG	
	PACKING	64PCS/CTN	64PCS/CTN	54PCS/CTN	36PCS/CTN	
	NET WEIGHT	9.96KG/CTN	9.96KG/CTN	9.96KG/CTN	9.3KG/CTN	
	GROSS WEIGHT	10.5KG/CTN	10.5KG/CTN	10.5KG/CTN	9.88KG/CTN	
	Environmental protection	RoHS				
	INPUT CONNECTION	PCB connector/4PIN/orange+orange+blue+blue/PUL030A PUL042A:0.75-1.5mm^2/PUL060A:0.75-2.0mm^2				
	OUTPUT CONNECTION	PCB connector/4PIN/black+green+red+black/0.5-1.5mm^2				
	NOTE	1.All parameter are measured at 230VAC input,rated load and 25°C of ambient temperature.				
2.Ripple & Noise are measured at 20MHz of bandwith by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF paralld capacitor.						
3.Stand-by power consumption is measured at dimmable off condition.						
4.The power supply is considers as a compent that wil be operated in combination with final equipment.Since EMC performance will be affected by the complete installation the final equipment manufactures must re-quality EMC directive on the complete installation again.						