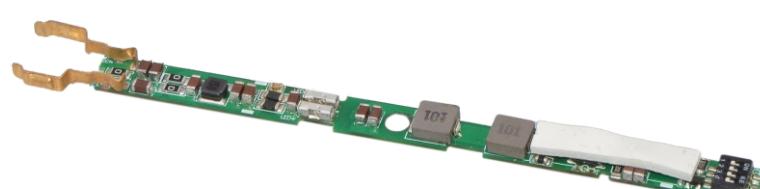
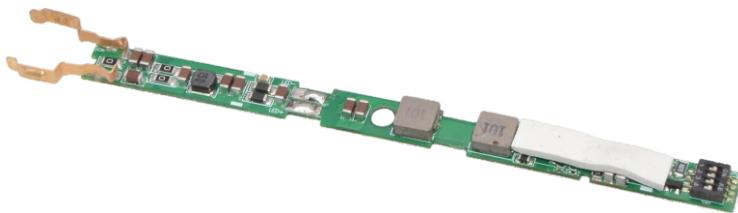


DC track light driver
DBET(S) Series suffix S



EMC
Passed

Output non terminal

Output is terminal

Features

- Not polarity
- Multi-level current output can be realized by DIP-switch
- Flicker-free output, which meets the requirement of ErP standard
- Suitable for STUCCHI standard housing
- SELV and Class III design, suitable for use outside of the luminaire
- Compliance with CE and other certifications
- Nominal life-time up to 100,000 h
- 5.5-year guarantee

Functions

- Protective features (short-circuit, overload protection)

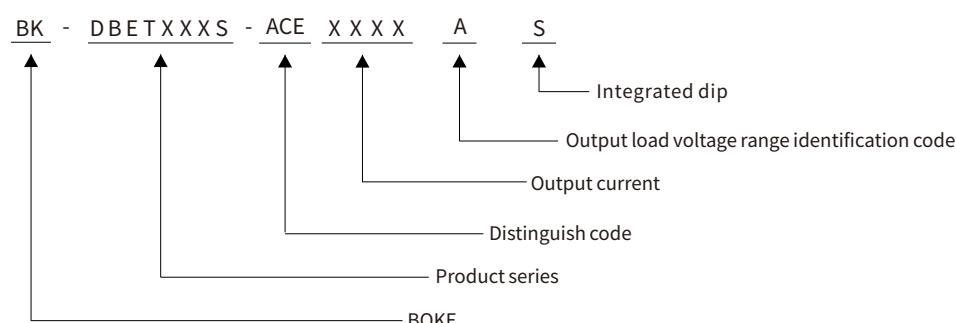
Suitable for lights

- Suitable for DC track light

Typical applications

- LED indoor lighting
- LED office lighting
- LED architectural lighting
- LED commercial lighting

Model coding rules of DBET(S) series



Technical data

Product model	BK-DBET030S-ACE0700AS
Output parameters	
Regulation method	Constant Current
Rated output current range	0.1-0.7A, see the DIP-switch for details
Rated output voltage range	2.5-42VDC, see the DIP-switch for details
Rated output power	29.4W Max, see the DIP-switch for details
Output current adjustment	DIP S.W(13 levels)
Output current ripple(typ.)	±2%(130kHz)
Output current accuracy	±5%
Linear regulation	N/A
Load regulation	±5%
No load output voltage	48VDC
Flicker-free(typ.)	Flickering percent(IEEE 1789)=0.058%(100Hz), Flicker index(IEEE 1789)=0.001(100Hz), Pst LM = 0.001, SVM = 0.001, (The above parameters are obtained from testing the panel lights)
Input parameters	
Rated input voltage range	48VDC ±5%
Input voltage range	N/A
Input voltage shock	N/A
Input current	<0.67A (Rated input voltage)
Input frequency	N/A
Input PF/Input DF	N/A
Input THD	N/A
Efficiency(typ.)	92%, see the electrical values below for details
In-rush current	N/A
Start/Switchover/Turn off	<0.6s(DC start), <0.5s(Turn off)
Switching cycles	>100,000 switching cycles
Power consumption(typ.)	Full load(Pin):32.0W, No load(Pno): N/A, On stand-by(Psb) : <0.5W, Network stand-by(Pnet) : N/A
Safety	
Withstand voltage	N/A
Mains surge capability	N/A
Isolation resistance	N/A
Control interface	
DALI dimming port	N/A
pushDIM dimming port	N/A
1-10V 3in1 dimming port	N/A
Auxiliary power supply	N/A
Dimming range	N/A
Dimming drive mode	N/A
Emergency support	
Central emergency system	N/A
Self-contained emergency	N/A
Environment & Life time	
Operating temperature	Ta=-25-45°C(With package)
Case temperature	N/A
Operating humidity	5-85% RH, non-condensing
Storage temp./humidity	-40-80°C, 5-85% RH, non-condensing
IP grade	N/A
MTBF	500,000H, MIL-HDBK-217F(25°C)
Life-time	Nominal life-time up to 100,000 h, see the description below for details
Vibration resistant	10~500Hz, 5G 12min./1cycle, period for 72min. each along X,Y,Z axes
Acoustic Noise	<25dB(30cm, Normal operation)
Environmental protection	RoHS
Certifications and standards	
Compliance certification	CE
Safety	EN61347-1, EN61347-2-11
EMC	EN55015, EN61000-4-2
DALI-2	N/A
EL	N/A
RF	N/A

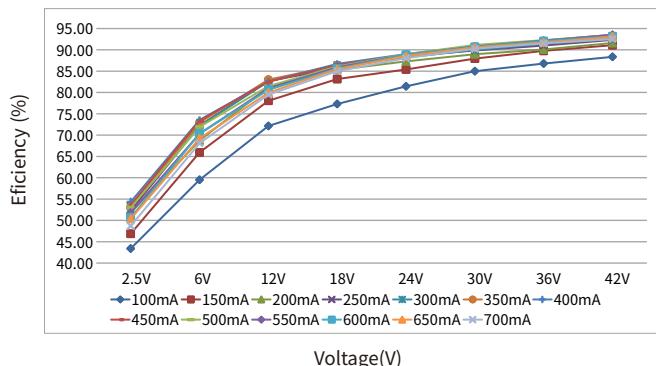
Remarks

1. By default, all parameter are measured at 48VDC input, 50Hz, full load and 25°C of ambient temperature.

Electrical values

BK-DBET030S-ACE0700AS

Efficiency vs Voltage



DBET030S-ACE(Output is terminal)



DBET030S-ACE(Output non terminal)



Functions

Output short-circuit behaviour

- Output short-circuit will not damage the driver.

After removing the short circuit fault, the driver will automatically resume output.

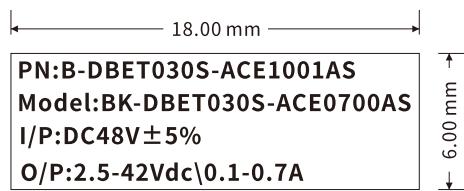
Output no-load operation

- Output no-load will not damage the driver.

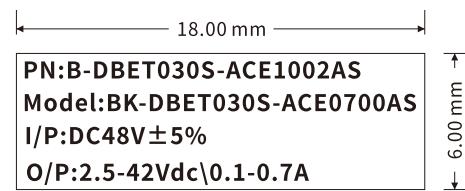
Please turn off the driver first if you need to connect the LED load.

label

BK-DBET030S-ACE0700AS(Output is terminal)



BK-DBET030S-ACE0700AS(Output non terminal)



DIP-switch & output current

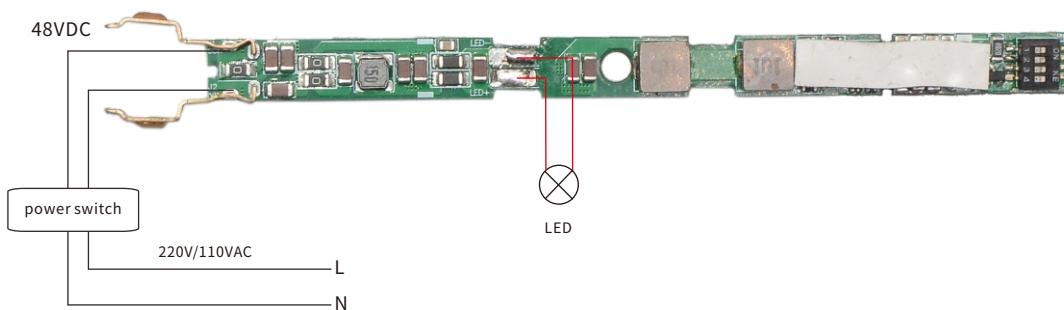
BK-DBET030S-ACE0700AS

Prated(W)	Irated(mA)	Voltage(Vdc)	Output			
			1	2	3	4
4.20	100	2.5-42	--	--	--	--
6.30	150	2.5-42	ON	--	--	--
8.40	200	2.5-42	--	ON	--	--
10.50	250	2.5-42	ON	ON	--	--
12.60	300	2.5-42	--	--	ON	--
14.70	350	2.5-42	ON	--	ON	--
16.80	400	2.5-42	--	ON	ON	--
18.90	450	2.5-42	ON	ON	ON	--
21.00	500	2.5-42	ON	ON	--	ON
23.10	550	2.5-42	--	--	ON	ON
25.20	600	2.5-42	ON	--	ON	ON
27.30	650	2.5-42	--	ON	ON	ON
29.40	700	2.5-42	ON	ON	ON	ON

Remarks:

- ★ It means that this item is the factory default current.
- It means that this channel is OFF.

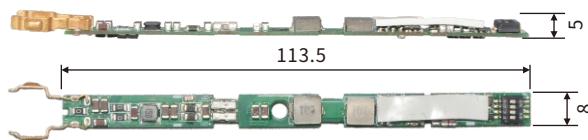
Wiring diagram



Installation

Unit:mm

DBET030S-ACE(Output is terminal)

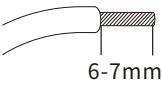


OUTPUT

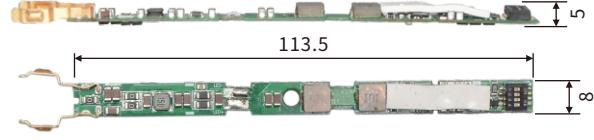
Numbering	function
1	LED-
2	LED+

Output wire

0.2-0.5mm²

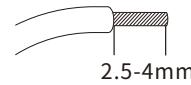


DBET030S-ACE(Output non terminal)



Output wire

0.2-0.75mm²



Installation note

LED Hot plug-in

- Hot plug-in is not supported due to residual output voltage of > 0 V.
- If a LED load is connected the device has to be restarted.
- Restart can be achieved by re-powering the driver or executing a on/off command (action) through the control interface.

Installation requirements

- The driver should be installed in a dry, acid-free, oil-free, fat-free environment.
- The installation ambient temperature of the driver shall not exceed the value of Ta at any time.
- **Please be careful not to damage the electronics during assembly.**
- **All electronic components shall not be squeezed after assembly.**

Wiring guidelines

- All connections must be kept as short as possible to ensure good EMI behaviour.
- Max. lenght of output wires is 0.5 m.
- Incorrect wiring can damage LED modules.

Replace LED module

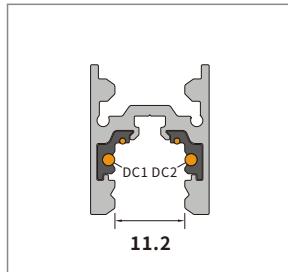
1. Mains off
2. Wait more than 5 seconds
3. Remove LED module
4. Connect LED module again

Compatible with the following guide rails

Number	Manufacturer	Housing model	Guide model
1	STUCCHI	9619-M1/B, 9619-M/B, 9619-M22/B	9600-x/B-ST1(x=1,2,3),9600-x/W2-ST1(x=1,2,3) 9600-x/B-ST5(x=1,2,3),9600-x/W2-ST5(x=1,2,3) 9600-x/B-ST15(x=1,2,3),9600-x/W2-ST15(x=1,2,3) 9600-x/B-ST16(x=1,2,3),9600-x/W2-ST16(x=1,2,3)
2	JBD	JB-15-01, JB15-02	JB-15A, JB-15B, JB-15C, JB-15D



Track



dimensions and layout(Unit:mm)

Packaging



Product



EPE+Packaging



100pcs×4boxes=400pcs/CTN

Model	Product size	Weight	Packaging size	EPE size	Carton size	Qty/carton	N.W	G.W
DBET030S-ACE	L113.5*W8*H5mm	6g	L390*W280*H50mm	L370*W270*H20mm	L410*W300*H230mm	400pcs	2.4KG	3.8KG

Additional information

1. The life and MTBF of the product are for reference only, and do not represent a warranty statement.
2. For more information, please send an email to info@bokedriver.com.