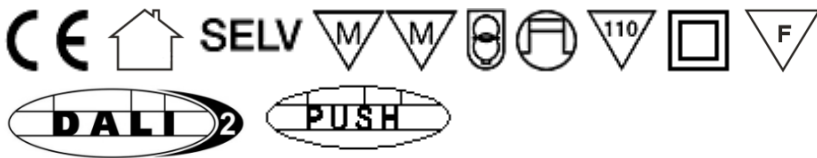


ALFA DALI DRIVER DATASHEET



PRODUCT DESCRIPTION

- Design DALI-2, Push-DIM, output 2in1 dimming
- Reliable, Class II, SELV according EN 61347
- $\pm 5\%$ output current accuracy (under maximum load)
- Permissible AC cable 0.75-2.5mm² wire gauge, 8~10mm PVC jacket diameter
- Protection for output open load, short circuits, over voltage and over temperature
- Built-in with permanent memory for DALI and Push-DIM, 100,000 times memory
- 75°C Maximum case operation temperature (tc-point ¹)
- Operating temperature ¹: -25°C ~ +50°C, the humidity: 20% ~ 85%
- Over 50,000 hrs nominal lifespan at tc=75°C
- Five-year factory guarantee and lifetime technical support ¹
- Easy & Quick connection with push-fit terminals and clip-on end cap for strain relief, super large wiring space
- Loop in & loop out function.
- Loose wiring inspection don't need to open the transparent end cap

PARAMETERS

MODEL		6603268 DALI LED Driver
Output	Output voltage	32-39VDC
	Rated current	220mA
	Maximum power	10W
	Current tolerance	±5%
	Dimming Range	DALI-2: 2%-100%; Push-DIM: 3%-100%; AM dimming mode
	Ripple voltage ²	200mVp-p
	Ripple current	220mA _{p-p}
	Line regulation	±1%
	Load regulation	±3%
	Flicker percentage ³	<3%
	Starting time	<500mS
	Turn off time	<2.0S
Noise ⁴	<22dB	
Input	Voltage	Rated:220-240V; Range:200-264V;
	Frequency	Rated:50-60Hz, 0Hz; Range:47-63Hz, 0Hz;
	Power factor	≥0.9
	I-THD ⁵	≤15%
	Efficiency ⁶	≥86%
	AC current	60mA max.
	Inrush current ⁷	7.5A
	Inrush current time	50μs
	Leakage current	<1mA
	ON/OFF switches cycle	>100,000
	Standby power	<0.5W
DALI & PUSH Control	Dimming control mode	/
	Dimming control type	/
	DALI Input Voltage	Rated:16V; Range:9.5-22.5V;
	DALI Input (Bus) Current	Rated:1.6mA; Range:1.5-1.7mA;
	Dimming Range	DALI-2: 2%-100%; PUSH: 3%-100%;
DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014, IEC 62386-207: 2009, IEC 62386-209: 2009	
Protection	Over current	Constant current limiting, recovers automatically after fault condition is removed
	Over voltage	Shut down output voltage, with auto-recovery or re-power on to recovery
	Over temperature	Shut down output voltage, recovers automatically after temperature goes down
	Short circuit	Constant current limiting, recovers automatically after fault condition is removed
Safety & EMC	Safety standards	EN61347-2-13; Design refer to TUV EN60950-1, TUV EN61347-1
	Withstand voltage	I/P-O/P:3KVac I/P-FG:1.5KVac O/P-FG: 500Vdc
	Isolation resistance	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500Vdc/25°C/75%RH
	EMC emission ⁸	EN55015B, EN55022 Class B, EN61000-3-2, EN61000-3-3
Environment	EMC immunity	EN61000-4-2, EN61547, EN55024, EN-61000-4-5 Surge immunity Line-Earth: 2KV, L Line- N Line:1KV;
	Ambient temperature	-25°C ~ +50°C(Output power<40W); 25°C ~ +45°C

	range ⁹		
	Max. case temperature(tc) ¹⁰		85°C
	Relative humidity range		20% ~ 85%RH
	Storage temperature range		-30°C ~ +75°C
	MCB TYPE B	10A	123pcs @ 36V,220mA Output
		13A	160pcs @ 36V,220mA Output
		16A	196pcs @ 36V,220mA Output
	MCB TYPE C	10A	143pcs @ 36V,220mA Output
		13A	186pcs @ 36V,220mA Output
16A		229pcs @ 36V,220mA Output	
Others	Dimming control mode		DALI-2, Push dimming
	Memory function		DALI and Push with memory function
	DALI Standard		IEC 62386-101: 2014, IEC 62386-102: 2014, IEC 62386-207: 2009, DALI-2
	Lifetime(hrs)@tc=70°C		>50,000H
	MTBF [MIL-HDBK-217F(ta=25°C)]		501K Hrs min
	Glow wire test		850°C for 5S; 650°C for 30S
	Dimension L x W x H		87 x 60 x 26.5mm
	Warranty years		5 years

- "2" Ripple voltage is measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 100nF & 47uF parallel capacitor.
- "3" The flicker for frequencies of 200 Hz or below, input voltage 230Vac , at 100% output current level and 20% output current level with dimmer attached, output current ripple is defined as $[(I_{max} - I_{min}) / (I_{max} + I_{min})] * 100\%$, (CEC-400-2016-018-FS, Title 24 part 6 JA8).
- "4" The noise of LED driver is defined as test data when driver tested in noise room with 50~60dB environment, and been hang in 1ft (305mm) inside chamber.
- "5" Rated voltage input, rated output current, maximum output current.
- "6" The typical efficiency is test data of output current at input @230Vac with 36V output voltage, maximum output current.
- "7" The inrush current is test data of 230Vac input, cold start, measured at input current peak.
- "8" The driver is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC directive on the complete installation again.
- "9" For other than independent use, higher ta of the control gear possible as long as highest allowed tc point temperature is not exceeded.
- "10" The tc is defined as the highest permissible temperature which may occur on the outer surface of the power under normal operating conditions and at the rated voltage/current/power or the maximum of the rated voltage/current/power range, refer to "output power vs temperature" section.

Dimension	Gross Weight	Net Weight	Qty/Carton
0.284*0.200*0.245m	5.5kg	4kg	20pcs