



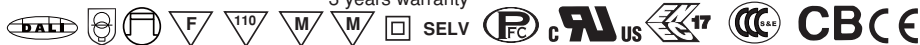
40W Multiple-Stage Output Current LED Power Supply **LCM-40DA** series



■ Features :

- Output current level selectable by DIP S.W.
- 180~295VAC input only
- Built-in active PFC function
- Protections: Short circuit / Over voltage / Over temperature
- Cooling by free air convection
- Fully isolated plastic case
- Class II power unit, no FG
- Built-in DALI interface and push dimming function
- Optional 12V/50mA auxiliary output (Model No.: LCM-40DA-AUX)
- IP20 design
- Logarithm or linear dimming curve selectable(Meet IEC62386-207)
- Temperature compensation function by external NTC
- No load power consumption <0.5W(<1.2W for LCM-40DA-AUX)(Note.7)
- Power supplies synchronization function up to 10 units
- Suitable for indoor LED lighting applications
- 3 years warranty

Elworks best.nr.:	4-291-0
Tilbehør til:	Platta serie



SPECIFICATION

MODEL	LCM-40DA			
OUTPUT	SELECTABLE CURRENT Note.3			1050mA
	DC VOLTAGE RANGE			2 ~ 40V
	RATED POWER	42W		
	RIPPLE CURRENT	±5%		
	RIPPLE & NOISE (max.) Note.2	700mVp-p		
	NO LOAD OUTPUT VOLTAGE (max.)		65V	
	CURRENT ACCURACY	±5%		
	SETUP, RISE TIME Note.5	500ms, 80ms / 230VAC at rated power		
HOLD UP TIME (Typ.)	16ms/230VAC at rated power			
INPUT	VOLTAGE RANGE Note.4	180 ~ 295VAC	254 ~ 417VDC	
	FREQUENCY RANGE	47 ~ 63Hz		
	POWER FACTOR (Typ.)	PF ≥ 0.975/230VAC, PF ≥ 0.96/277VAC at rated power (Please refer to "Power Factor Characteristic" curve)		
	TOTAL HARMONIC DISTORTION	Total harmonic distortion will be lower than 20% when output loading is 75% or higher		
	EFFICIENCY (Typ.) Note.6	91%		
	AC CURRENT (Typ.)	0.23A/230VAC	0.2A/277VAC	
	INRUSH CURRENT (Typ.)	COLD START 20A(twidth=260µs measured at 50% I _{peak}) at 230VAC		
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	26 units (circuit breaker of type B) / 44 units (circuit breaker of type C) at 230VAC		
LEAKAGE CURRENT	<0.5mA/ 240VAC			
PROTECTION	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed		
	OVER VOLTAGE	110 ~ 130V	Protection type : Shutdown o/p voltage, re-power on to recover	
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover		
FUNCTION	AUXILIARY POWER (optional)	12V @ 50mA for driving fan; Tolerance ±5%		
	TEMP. COMPENSATION	By external NTC(not provide with the power supply), please see "Temperature compensation operation"		
	DIMMING	Please see "Dimming Operation"		
	SYNCHRONIZATION	Please see "Synchronization Operation"		
ENVIRONMENT	WORKING TEMP.	-30 ~ +60°C (Refer to "Derating Curve")		
	WORKING HUMIDITY	20 ~ 90% RH non-condensing		
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH		
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)		
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
	SAFETY STANDARDS	UL8750, CSA C22.2 No.250.13-12, ENEC EN61347-1, EN61347-2-13, EN62384 independent, GB19510.14,GB19510.1 approved		
	DALI STANDARDS	Comply with IEC62386-101, 102, 207		
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC		
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH		
OTHERS	EMC EMISSION	Compliance to EN55015, EN61000-3-2 Class C(≥ 40% rated power) ; EN61000-3-3; GB17625.1,GB17743		
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547 light industry level (surge 2KV), criteria A		
	MTBF	193.6K hrs min.	MIL-HDBK-217F (25°C)	
NOTE	DIMENSION	123.5*81.5*23mm (L*W*H)		
	PACKING	0.24Kg ; 54pcs/15Kg/1.12CUFT		
1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf parallel capacitor. 3. Please see "DIP switch table". 4. Derating may be needed under low input voltage. Please check the static characteristics for more details. 5. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time. 6. Efficiency is measured at 500mA/80V output set by DIP switch. 7. No load power consumption<0.5W(LCM-40DA) and <1.2W(LCM-40DA-AUX) is measured at 180~230VAC, with lighting fixture connected and output current dimmed to 0%. 8. The power supply 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.				