



## ◆ Specification

	Constant Current (mA)	200mA	250mA	300mA	350mA
Output	Voltage Range(VDC)	40-200V	40-160V	40-135V	40-115V
	Unload voltage Max.(VDC)	250V			
	Current Accuracy	±8%			
	Output HF current ripple(≥1KHz)	±5%			
	Output LF current ripple(≤120Hz)	±5%			
	Auxiliary Output Voltage	12V			
	Auxiliary Output Current	150 mA			
	SVM	≤0.4			
	Pst	≤1			
	Efficiency(Typ.)	88%@full Load,220-240V			
	Input	Rated input voltage(VAC)	220-240V		
Range of input voltage(VAC)		198-264VAC			
Range of input voltage(VDC)		176-280VDC			
Maximum voltage		300VAC@1 h maximum,unit might not operate in this abnormal condition			
Frequency(Hz)		0/50/60 Hz			
Displacement factor		≥0.9@full load, 230Vac			
Power Factor		>0.95@Full load,230V			
Input Current max		0.35A			
Start-up time		< 0.5S			
No Load Power		≤1W			
Standby Power		≤0.5W			
Network standby power		≤0.5W			
THD (Typ.)		<10%@full Load,220-240V			
Dimming	Dimming	YES			
	Dimming mode	0-10V			
	Dimming depth	2%@40-70V; 1%@ > 70V;			1.5%
	Dimming current range	1-100%			1.5-100%
Protection	Over Load Protection	103-130%			
		YES/Auto Resume			
	Over Voltage Protection	230VDC			
	YES/Auto Resume				
	Short circuit Protection	YES/Auto Resume			
capability	Surge capability (L-N)	1KV			
	Surge capability (L/N-Ground)	2KV			
Environment	Operating Temperature	-20°C...+50°C			
	Humidity	20%-90%RH			
	Tc	85°C			

# FMS-40-350 0-10 LD-F

	Storage Temperature	-25°C...+60°C
	Life time	>50000h@Tc=80°C
	Noise	≤25dB(A)@20cm
Surface	Dimension	220 x 30 x 21mm
	material	metal case
statutory	Safety Standards	GB19510. 1, GB19510. 14; IEC61347- 1, IEC61347-2- 13; EN 60598-2-22; EN61347- 1, EN61347-2- 13; AS/NAS 61347- 1, AS/NAS 61347-2- 13; EN61347- 1, EN61347-2- 13, EN62384; AS/NZS 61347.1,AS 61347.2.13
	EMC	GB/T17743, GB17625. 1; EN55015, EN61000-3-2, EN61000-3-3, EN61547; EN55015, EN61000-3-2, EN61000-3-3, EN61547;
	Energy Efficiency	Erp2.0 EU 2019/2020
	RoHS	RoHS (2011/65/EU) (EU)2015/863
Note	<p>1.All parameters not specially mentioned are measured at 230VAC input , full load and 25°C of ambient temperature.</p> <p>2.Ripple &amp; Noise are measured at 20MHz of bandwidth by using a 300mm twisted pair-wire terminated with a 0.1uF &amp; 47 uF parallel capacitor.</p> <p>3.The DC input for this product is only used for emergency lighting and applies to functional and safety requirements, EMC is not considered.</p>	

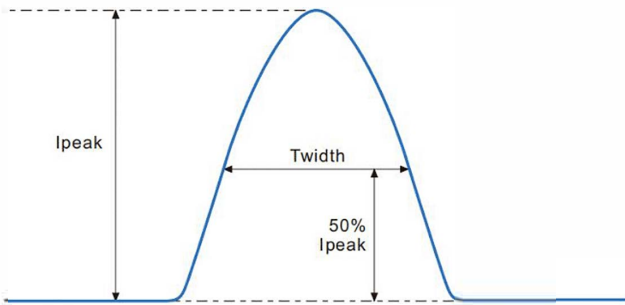
## ◆ Parameter

Number	Output				Switch position	
	Current (mA)	Voltage (VDC)	Voltage No load (VDC)	Power (W)	1	2
1	200mA	40-200V	250	40W	--	--
2	250mA	40-160V		40W	ON	--
3	300mA	40-135V		40.5W	--	ON
*4	350mA	40-115V		40.25W	ON	ON

\* Factory default

◆ Inrush Current

$I_{peak}$	Twidth	B10	B16	B20	C10	C16	C20
A	$\mu$ s	pcs	pcs	pcs	pcs	pcs	pcs

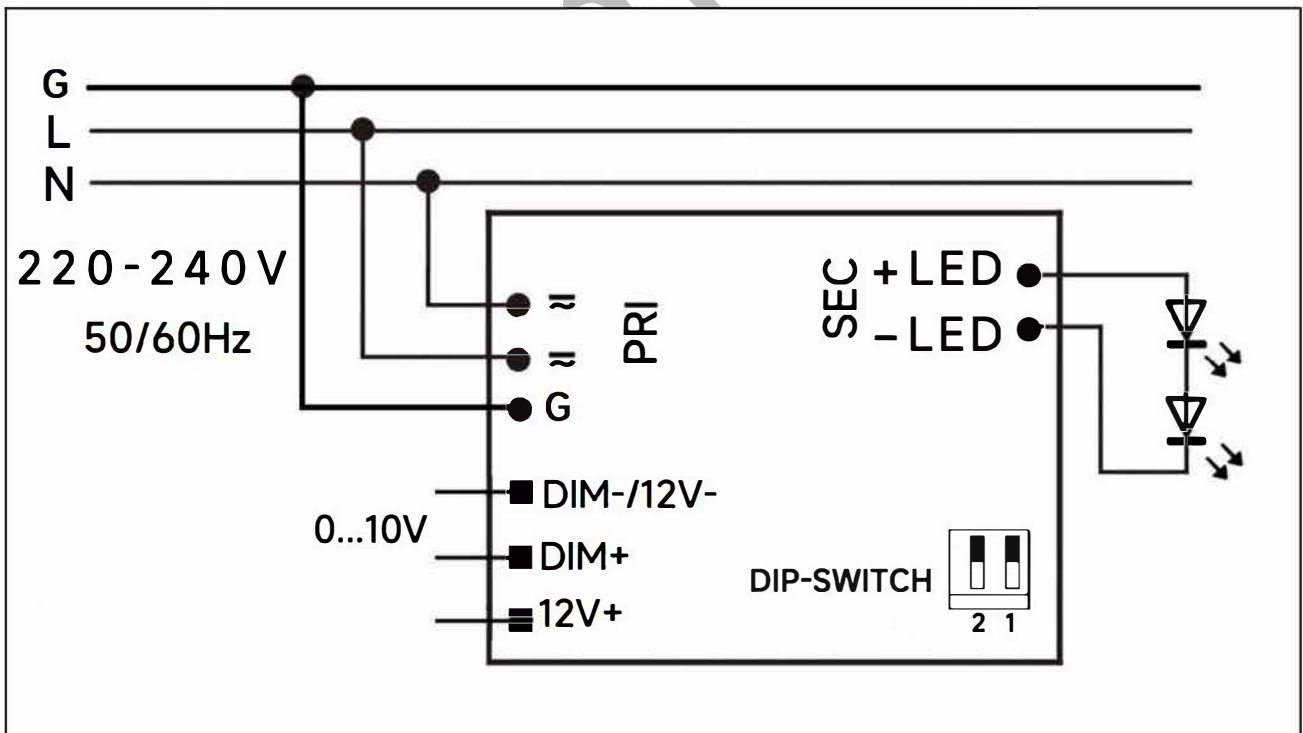


Remarks:

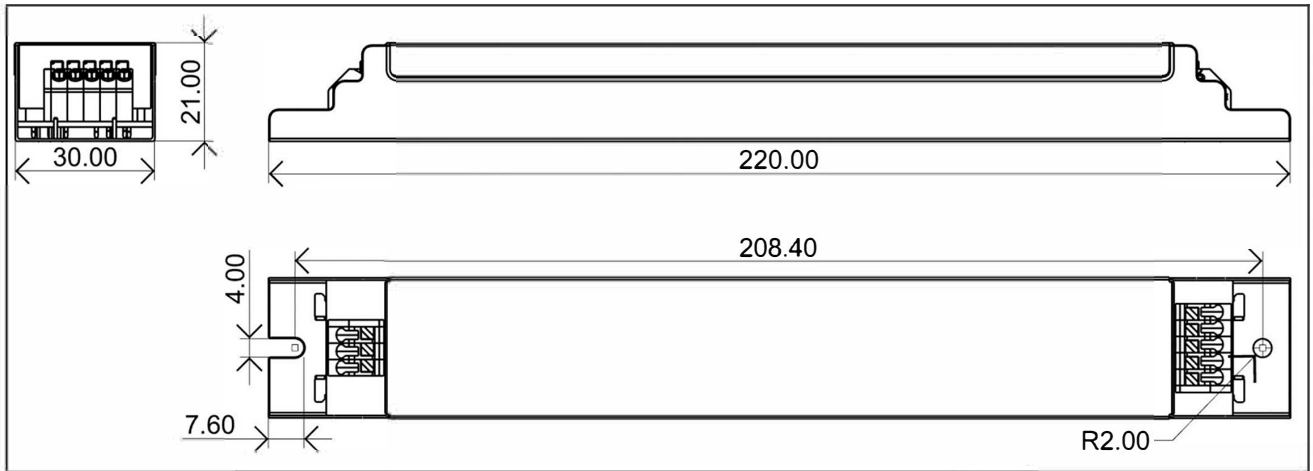
1.The number of drives mounted under different MCBs in the table is the maximum value. Please do not exceed this number during installation.

2.Different brands and models of miniature circuit breakers, the number of drives mounted will be slightly different.

◆ Wiring diagram



◆ 2D diagram



## ◆ Wiring & Connections

	Specification item	Value (Unit )
Input	Input wire cross-section	0.5...1.5 mm <sup>2</sup>
	Input wire gauge.	16...20 AWG
	Input wire strip length	7...9mm
Output	Output wire cross-section	0.5...1.5 mm <sup>2</sup>
	Output wire gauge.	16...20 AWG
	Output wire strip length	7...9mm

Note: Solid wire is risky to use on an angled terminal. Stranded wire is recommended for this kind of use.

◆ **Curve for FMS-40-350 0-10 LD-F,  $I_o=350\text{mA}$**

Lifetime vs. Temperature Curve

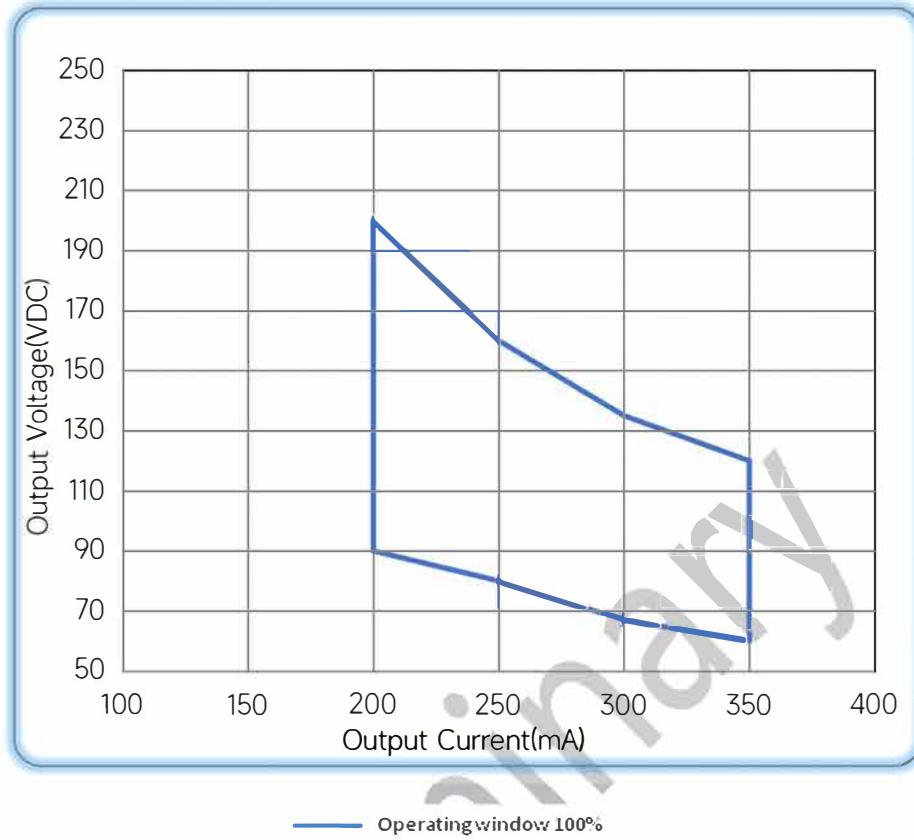
Efficiency vs. Load

Power Factor Characteristics

THD vs. Load



◆ Operating window



◆ Revision Updates

ITEM	BEFORE	AFTER	VERSION	DATE
Initial			A	2023/05/03
Current Accuracy	±5%	±8%	B	2023/11/20
Dimming depth	1%	2%@40-70V; 1%@ > 70V;	C	2024/05/14



**Citi-el**



+7 (499) 647-80-74

zakaz@citi-el.ru