

Constant Current Variants

Part Number	Output Current (mA)	Output Voltage	Line / Load Reg.1	Max. Effo.	Max. Output Power (W)
		Range Max (V)			
XEL-A040D-024-C1X40-D	1400	12 ~ 24	±5%	84%	33.60
XEL-A040D-024-C1X25-D	1250	12 ~ 24	±5%	84%	30.00
XEL-A040D-042-C1X05-D	1250	20 ~ 32	±5%	84%	40.00
XEL-A040D-042-C1X05-D	1050	26 ~ 38	±5%	83%	40.00
XEL-A040D-042-CX800-D	800	26 ~ 38	±5%	83%	31.00
XEL-A040D-052-CX800-D	800	42 ~ 52	±5%	83%	42.00
XEL-A040D-042-CX700-D	700	26 ~ 38	±5%	85%	27.00
XEL-A040D-052-CX700-D	700	42 ~ 52	±5%	85%	36.40
XEL-A040D-042-CX500-D	500	26 ~ 38	±5%	84%	19.00
XEL-A040D-052-CX500-D	500	42 ~ 52	±5%	84%	26.00
XEL-A040D-042-CX350-D	350	26 ~ 38	±5%	79%	13.50
XEL-A040D-052-CX350-D	350	42 ~ 52	±5%	79%	18.50
XEL-A040D-042-CX315-D	315	26 ~ 38	±5%	78%	12.00

General Specification

SERIES		XEL-A040D
OUTPUT	DC VOLTAGE RANGE	12 ~ 52 Vdc (see orderable parts table for details)
	RATED CURRENT RANGE	350mA ~ 1.40A (see orderable parts table for details)
	RATED POWER	up to 40W
	LINELOAD REGULATION1	±3%
	TURN OFF TIME	<200ms
	TURN ON TIME	< 250ms
INPUT	VOLTAGE RANGE	90 ~ 305Vac
	FREQUENCY RANGE	47 ~ 63Hz
	POWER FACTOR (Typ.)	PF ≥ 90% at full load
	EFFICIENCY (Typ.)	84 ~ 86% at full load
	AC CURRENT	0.6A @ 120Vac
	INRUSH CURRENT (Typ.)	< 30A @ 25°C, 230Vac cold start
	LEAKAGE CURRENT	< 500µA (400µA typical)
	THD (TOTAL HARMONIC DIST.)	< 20%
DIMMING	MODES	DC Dimming Control: 0-10 Vdc PWM Dimming Control Input: Duty 0%-100% (PWM frequency 200HZ-1KHZ, 10-24V Range) TRIAC Dimming is based on forward or reverse phase dimmer Unit is intended to operate with either dimmer type, but not both simultaneously
	SHORT CIRCUIT	Hiccup mode protection. Recovers automatically after fault condition is removed
	OVER VOLTAGE	< 30% above the maximum output voltage listed for the specific part number
PROTECTION	OVER CURRENT	< 10% above the maximum output current listed for the specific part number
	OVER TEMPERATURE	Unit automatically dims to 10% of maximum output when TC >90°C (±5°C)
	WORKING TEMPERATURE	-30°C ~ + 70°C at full load Ambient (Tcase Rated at 90°C)
ENVIRONMENT	WORKING HUMIDITY	5% ~ 95% RH non-condensing (suitable for DRY and DAMP locations)
	STORAGE TEMPERATURE	-40°C ~ + 85°C Ambient
	STORAGE HUMIDITY	5% ~ 95% RH non-condensing
	IMPACT RESISTANCE	1 g/s
	VIBRATION	5-500Hz 5G, 12min/1 cycle, period for 30 minutes each along X,Y,Z axes
	SAFETY STANDARDS	UL8750, UL1310, CE, FCC
SAFETY & EMC	EMI CONDUCTION & RADIATION	Compliance to CISPR 22 CLASS B, CISPR 14-1 CLASS B, GB4343.1-2003, GB17625.1-2003, GB4343-2003+A1, CISPR 14-1:1997, EN55014-1:1997-5, EN55012-1:1997-6
	HARMONIC CURRENT	Compliance to GB4343-2003+A1, CISPR 14-1:EN51000-3-2:1995
	EMS IMMUNITY	Compliance to GB/T13926.3, IEC61000-4-3 & 4-4, PrEN55014-2 Section 6.2 & 6.5, IEC61000-4-11.
	TRANSIENT SUPPRESSION (Burge)	2.5KV (100kHz ring wave at 2.5KV common mode and differential)
	LIFETIME	50,000 hours at up to 70C ambient temperature