

REV	DESCRIPTION	DATE
A0	RELEASE TO PRODUCTION	11/01/2023

SAFETY STANDARDS COMPLIANCE:
 UL8750
 UL1310
 ANSI C82.77-10-2014
 LVD EN61347-2-13

EMI STANDARDS:
 FCC 47 CFR PART 15 CLASS B
 CE EN55015, EN61547
 EN61000-4-2,3,4,5,6,8,11

SAFETY CERTIFICATIONS
 UL, cUL E357847
 LVD EFSN14081229E-L
 EMC dir EFSN14081229E-E
 FCC pending

INPUT RANGE:
 110-277 VAC, 460-180mA @ FULL LOAD.

FREQUENCY: 50/60 Hz.

EFFICIENCY: 87 % Typ.

PEAK INRUSH:
 27 AMPS @ 110V AC

DIMMING:
 AC Phase - Trailing edge only

POWER FACTOR: >0.98

LEAKAGE CURRENT:
 < 0.01mA @277VAC
 Surge Immunity: 2.5 KVac

STANDARD LOAD RANGE:	MIN	MAX	LOAD REG	MAX. RIP
OUTPUT	900mA	20V	36V ±5%	2.4%

COOLING: CONVECTION

NOISE LEVEL: <24 dB (Doc 149600329)

RELIABILITY (MTBF): (MIL-HDBK-217E)
 100,000 HRS. @ 25 DEG. C @ FULL LOAD

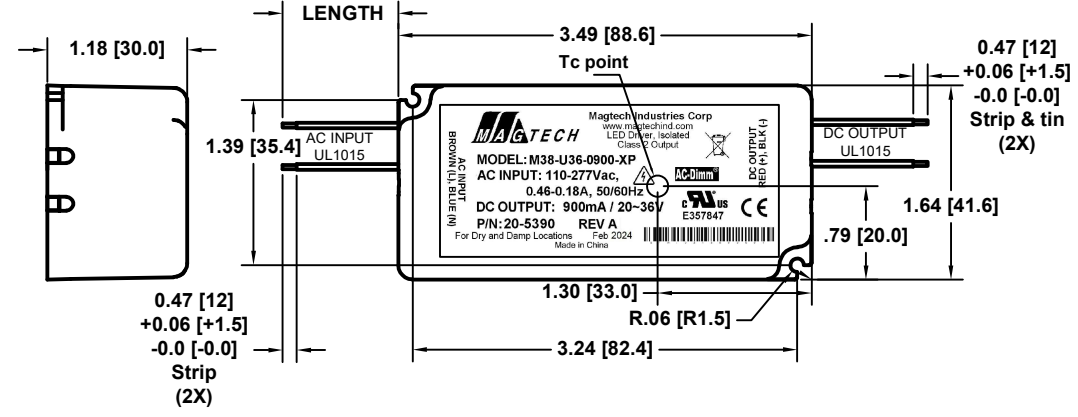
ENVIRONMENTAL CONDITIONS:
 LOWEST OPERATING TEMPERATURE: -30 Tc= 90°C
 RELATIVE HUMIDITY: 5 ~ 95%
 LOCATION: For Dry and Damp Use Only

CONNECTOR:
 N/A

PROTECTION:
 OCP,SCP,OPP
 AUTO-RECOVERY

PF, THD AND EFFICIENCY CALCULATIONS ARE BASED ON THE LOADING OF THE DRIVER TO MINIMUM 65% AND MAXIMUM 100% OF 40W

- Notes:
- 1.- 5 yrs warr provided tc point remains below 75°C
 - 2.- Bar code defined by drawing 77-0120.
 - 3.- Transformer - Class 130 (B), Insulation system
 - 4.- UL Type TL and Type HL

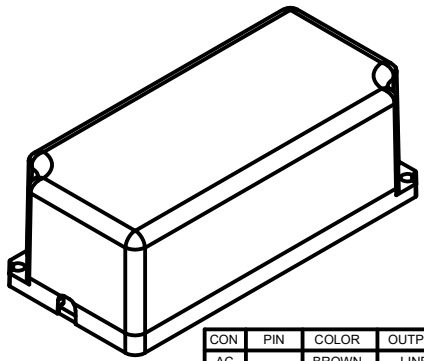


MAGTECH Magtech Industries Corp
 www.magtechind.com
 LED Driver, Isolated Class 2 Output

MODEL: M38-U36-0900-XP
AC INPUT: 110-277Vac, ⚡ **AC-Dimm**
 0.46-0.18A, 50/60Hz
DC OUTPUT: 900mA / 20~36V
P/N: 20-5390 REV A
 For Dry and Damp Locations Feb 2024 Made in China

AC INPUT BROWN (L), BLUE (N)
 DC OUTPUT RED (+), BLK (-)

UL E357847 CE



CON	PIN	COLOR	OUTPUT	AWG	LENGTH
AC	---	BROWN	LINE	18	6.5 [165]
IN	---	BLUE	NEUTRAL	18	
DC	---	RED	+V	20	± 0.5 [± 13]
OUT	---	BLACK	GND	20	

MANUFACTURED BY: ES

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TITLE: M38-U36-0900-XP, 110-277VAC, 900mA, 20-36V

APPROVAL DATE: 10/24/2023	MODEL NO. M38-U36-0900-XP	DWG NO. M20-5390	REV. A0	SH OF 1 1
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DO NOT SCALE THIS DRAWING
 INTERPRET DRAWING PER ANSI Y14.5M

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS IN INCHES [MM]
 TOLERANCES:
 X DECIMALS: .05 [1.3]
 XX DECIMALS: .02 [0.5]
 XXX DECIMALS: .008 [0.13]
 ANGLES: 1°
 FRACTIONS: 1/16

FORM PF-0004