

AC-DC Converters



TEX Series, 120 Watt

www.powersolve.co.uk

Features

- Sealed, rugged die-cast aluminium casing
- Dust & water resistant to IP67 & NEMA 4X
- Wide operating temperature range -40°C to +85°C
- Easy connection via waterproof plugs
- Universal input 90-264Vac (optional DC input of 18-75VDC)
- Adjustable output voltage, short circuit and overload protection
- UL 508 listed
- ATEX & ANSI approval for hazardous locations (Class I, Div. 2)



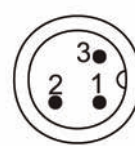
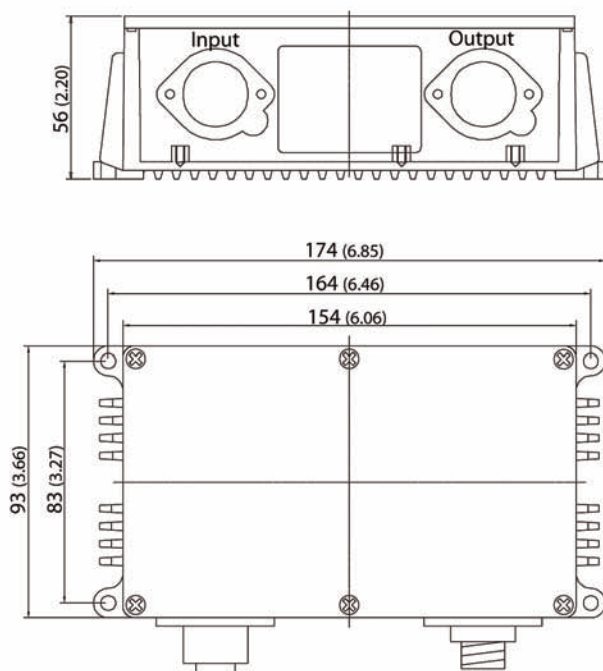
Electrical Specification

Input voltage range	90-264Vac, 47-63Hz / 85-375VDC (Option: DC input 18-75VDC)
EMI suppression	EN55011/22 class B, harmonic current EN 61000-3-2 class A
EMC immunity	EN61000-6-2, SEMI F47
Output current limitation	>125% of Inom.
Operating Temperature Range	-40°C to +85°C (convection cooling) (derate at 2.0%/°C above 60°C)
Safety Approvals	UL 508 listed (pending), IEC/ EN 60950-1, CB report, EN 51078, EN 60204, EN61558-2-8, IEC/EN 60079-15 (class I, Div. 2), UL 60079-15, ANSI/ISA 12.12.01 (class I Div.2), EN 50021, ATEX 94/9/EC
Degree of protection	safety class I, (IEC 536)
Casing protection	IP66/67 (IEC529) complies to NEMA 4X standard
Shock & vibration	meets IEC 60068-2-6, IEC 60068-2-27
Humidity	to 98% without compensation

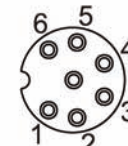
Output Voltage and Current Ratings

MODEL	OUTPUT POWER	OUTPUT VOLTAGE SET POINT	Adj. RANGE	OUTPUT CURRENT max.	RIPPLE & NOISE	LINE REG.	LOAD REG.	EFF.
TEX 120-112	120W	12VDC	12 - 15VDC	8A	50mV pk-pk max.	0.5%	1.0%	90%
TEX 120-124	120W	24VDC	24 - 28VDC	5A	50mV pk-pk max.	0.5%	1.0%	90%

Mechanical Details



INPUT



OUTPUT

Input Connector	
Pin	Function
1	AC(L)
2	AC(N)
3	Earth
Output Connector	
Pin	Function
1	-Vout
2	-Vout
3	-Vout
4	+Vout
5	+Vout
6	+Vout

Mating connectors (not supplied)

AC Input: Amphenol 4-pin female plug C016 20D003 110 12

DC Output: Amphenol 6-pin male plug C016 30H006 110 12

units are supplied with sealing connector caps

Dimensions in mm (inch)

Tolerances: ±0.5 (±0.02)