

The OA-480PS40-CH-IN-US utilizes switch mode technology to convert 480VAC 3 ph. to 24 VDC. It has a maximum output capacity of 960W and an output range of 24 to 28 VDC.

Key Features:

- Rugged enclosure for industrial environments.
- Non-defeatable disconnect switch
- Louvered fan vents with filters.
- Breakers externally visible for easy fault verification.
- Fused input protection
- Output "ON" indicator LED.

This power supply is ready to be mounted and wired right out of the box, making it ideal for powering motorized roller conveyor. It is also an excellent solution for other 24VDC loads or high power applications.

Protection Features:

- Reverse Polarity Protection.
- Brown-Out Input Protection.
- Over-Current Protection – cycle by cycle peak as well as rated current limiting to maximize life of power supply.
- Over- Temperature Protection.

Warranty:

The OA-480PS40-CH-IN-US power supply is warranted to be free of defects in materials or workmanship under normal use and service. This warranty is in effect for two years from the date of purchase.

If upon the Warrantor's examination the defect proves to be the result of defective workmanship or materials, he equipment will be repaired or replaced at the Warrantor's option without charge, and the returned to the Purchaser at the Warrantor's expense.

No refund of the purchase price will be granted to the Purchaser, unless the Warrantor is unable to remedy the defect after having a reasonable number of opportunities to do so.

Only the Warrantor shall perform warranty service. Any attempt to remedy the defect by anyone other than the Warrantor shall render this warranty void.

There shall be no warranty for defects or damages caused by faulty installation, abuse, or misuse of the equipment including exposure to excessive heat, salt or fresh water spray or immersion.

The Warrantor assumes no liability for incidental or consequential damages of any kind.



Specifications:

Output Voltage	24 – 28 VDC
Output Voltage Tolerance	+ or – 1%
Output Current Max.	45 Amps
Continuous Current	40 Amps
Maximum Power Output, Continuous.	960 Watts
Ripple and Noise	< 250 mV rms
Input Voltage Range	340-550 VAC
Input Voltage Frequency	47 – 63 HZ
Typical Efficiency	> 91%
AC Current Typical	1.5 Amps
Max. Inrush Current, Single Cycle	< 20 Amps
Short Circuit Protection	Yes
Overload Protection	105 ~ 125%
Load Regulation	< 1 %
Fan Control	Continuous
Working Temp. Range	0 – 40 C
Storage Temp. Range	-20 – 80 C
Withstand Voltage	1240V @ Leads
Dimensions	14" x 14" x 6"
Weight	27 lbs.
Standards	UL508

Installation Guidelines:

All electrical installations must meet local and national wiring codes and should be performed by a qualified technician.

There are no components within the OA-480PS40-CH-IN-US unit that, in their normal operation produce arcs or sparks. However, all electronics have some potential for generating sparks in the event of failure. Therefore, never install this device in the same compartment with flammable items such as gasoline or batteries.

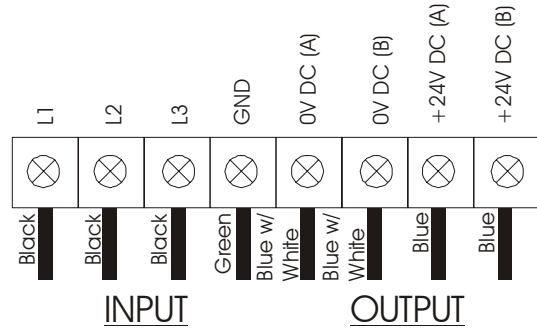
OA-480PS40-CH-IN-US **should not** be mounted in an enclosed interior compartment. Provide sufficient air space to allow unrestricted airflow in and around unit.

Mount the OA-480PS40-CH-IN-US at midpoint of conveyor section that is to be powered. 480VAC 3 ph. input voltage should be run through conduit to unit.

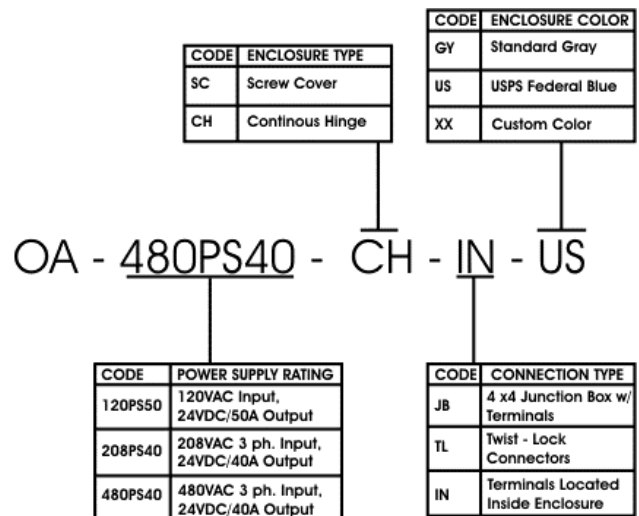
The 24VDC output consists of two 20A circuits. Each circuit has a 20A breaker, which if tripped can be reset by pushing breaker button back in. Run the 20A output circuits in opposite directions along the length of the conveyor, to create a power bus. Tap-off power bus to power motorized rollers and other 24VDC devices.

The output voltage can be adjusted between 24 and 28 VDC. To adjust output, remove cover and locate potentiometer. Use a small screwdriver and voltmeter to adjust output voltage to desired level. Default output voltage is 24 VDC.

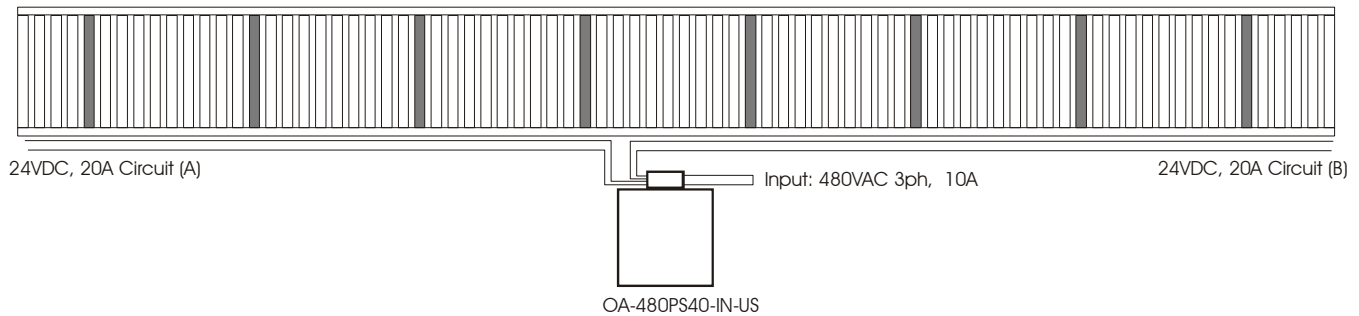
Terminal Connection Diagram:



Part Number Codes:



OA-480PS40-IN-US Conveyor Application:



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