



Pioneer Magnetics PM3398B-6P-1-3P-E 80026-172-23

Allen-Bradley OEM Power Supply

Product scope

- Converts a three-phase AC feed for a 1500 W drive power requirement.
- Carries both a Pioneer Magnetics model and an Allen-Bradley customer identifier.
- Uses the complete 6P-1-3P-E option string to distinguish its electrical configuration.

Manufacturer source

Exact-model technical record

Verified model-specific overview, function, operating principle, applications and technical data.

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Pioneer Magnetics PM3398B-6P-1-3P-E 80026-172-23

Allen-Bradley OEM Power Supply

Product overview

Pioneer Magnetics PM3398B-6P-1-3P-E 80026-172-23 is a 1500 W three-phase power supply built under an Allen-Bradley customer number. The exact non-R catalog identity must remain separate from the existing 80026-172-23-R record.

PM3398B-6P-1-3P-E 80026-172-23 combines the Pioneer Magnetics model code with the Allen-Bradley customer number shown on the nameplate. The unit accepts a wide three-phase AC input and converts it into the regulated power required by its associated drive assembly.

A 1500 W output rating allows the supply to serve the control and conversion electronics of the host system rather than an individual low-power sensor circuit. Nameplate option codes determine the exact electrical configuration and should be treated as part of the ordering identity.

The visible model lacks the -R suffix found on a separate backend item, so the two records must not be merged. Replacement review should compare connector layout, input phase arrangement, output code and host drive before power is applied.

Technical specifications

Manufacturer model	PM3398B-6P-1-3P-E
Allen-Bradley customer number	80026-172-23
Input topology	Three-phase AC
Input voltage	100 to 240 V AC
Input frequency	50/60 Hz
Nameplate input current	17 A
Output power	1500 W
Cooling	Forced-air power-supply enclosure
Configuration identity	6P-1-3P-E option code
Revision suffix	No -R suffix on the supplied nameplate
Application	Allen-Bradley drive power subsystem
Country marking	Designed and manufactured in USA

PM3398B-6P-1-3P-E 80026-172-23 function and operating principle

Ordered configuration

The manufacturer shown on the nameplate is Pioneer Magnetics, while 80026-172-23 is the Allen-Bradley customer number.

System role

It supplies regulated internal power for the associated industrial drive assembly.

Selection and installation

The exact connector, option-code and non-R identity must be verified because similarly numbered revisions may not be interchangeable.

Functional path

- Converts a three-phase AC feed for a 1500 W drive power requirement.
- Carries both a Pioneer Magnetics model and an Allen-Bradley customer identifier.
- Uses the complete 6P-1-3P-E option string to distinguish its electrical configuration.

Application scenarios

- Legacy Allen-Bradley drive cabinets use the unit as the high-power conversion source for control and inverter subsystems.
- Repair programmes replace the complete supply where component-level work cannot preserve the original safety and performance qualification.
- Spare-parts planning benefits from recording both the Pioneer model and Allen-Bradley customer number to avoid an R-suffix mismatch.

PM3398B-6P-1-3P-E 80026-172-23 engineering checks

Integration

- The host cabinet must accept the PM3398B mechanical form, connector arrangement and option code.
- Three-phase input wiring and protective devices must match the exact nameplate ratings.
- Output connections should be verified against the destination drive assembly before energization.

Protection

- Upstream branch protection must be coordinated with the three-phase input and inrush of the power supply.
- Forced airflow should remain unobstructed so internal power components do not exceed their thermal limits.
- Stored energy requires an adequate discharge period before connectors or covers are accessed.

Operating Environment

- The enclosure is intended for an industrial drive cabinet with controlled ventilation.
- Contamination, blocked airflow and elevated cabinet temperature reduce power-supply reliability.
- Service conditions should follow the host drive documentation because the nameplate does not define a separate outdoor rating.

Critical technical note

Do not substitute 80026-172-23-R for PM3398B-6P-1-3P-E 80026-172-23 without a documented electrical and connector comparison.

The technical content in this document is limited to the exact product identity shown above and the verified manufacturer material used for preparation.



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