Rexroth TDM3.2-030-300-W1

Indramat modular servo drive / forced ventilation

The offered reference

Rexroth Indramat TDM3.2-030-300-W1 is a forced-ventilated servo drive module in the TDM 3 family. It operates on a nominal 300 V DC link and requires a matched MAC motor and MOD programming module.

Identity	Engineering scope
Full designation	TDM3.2-030-300-W1
Power class	300 V DC nominal link; 30 A type/peak; 25 A continuous
System match	MAC motor, MOD programming module, fan and supply
Availability	New, original product; quantity and dispatch confirmed in quotation

Three critical checks

Cooling

Confirm one working fan unit and cabinet airflow.

MOD pairing

Read the programmed module and MAC motor labels.

DC link

Compare supply design with 300 V DC ±15% source range.

Technical profile

Exact W1 table and system-fit facts

Documented parameters

Parameter	Value
Drive family	TDM 3.2 modular servo drive
Full reference	TDM3.2-030-300-W1; forced-ventilated variant
Type current	30 A
Peak current	30 A
Continuous current	25 A
DC link voltage	300 V DC ±15%
Continuous power	9 kW in the TDM 3 technical table
Power loss at continuous current	175 W
Cooling	Forced ventilation; one fan unit required
MOD module choices	MOD 13 without set-point potentiometer or MOD 14 with one
Motor family context	TDM 3 family covers specified MAC 63 to MAC 112B motors
Rated ambient	+5 to +45 °C

Shared source scope: current, DC-link, thermal and fan values are from the exact TDM3.2-030-300-W1 Indramat table. Motor and MOD pairing must be checked separately.

Application and care

Integration points and precautions

System applications

Modular MAC servo axis

Match the drive with an approved MAC motor, feedback cable and DC-link supply using the system records.

Motor-specific parameter reuse

Transfer only a verified MOD programming module whose controller and motor labels match the new drive installation.

Forced-cooled cabinet retrofit

Provide the specified fan unit and unobstructed airflow, then compare thermal conditions with rated-data limits.

Faulted drive recovery

Use the actual serial-range diagnostic chart to distinguish controller voltage, feedback, power and temperature faults.

Commissioning precautions

Isolate the DC link

Follow the manual and site lockout procedure, wait for stored energy to discharge and measure the link before touching terminals.

Confirm the full suffix

The TDM3.2-030-300-W1 requires forced ventilation; a W0 variant is not equivalent by current alone.

Fit one fan unit

Identify the approved fan type, voltage and airflow. Do not operate the W1 drive with its fan omitted or stopped.

Check MOD pairing

Read the MOD label and verify both controller and MAC motor codes before inserting or energizing it.

Protect cabinet cooling

Respect clearance and +5 to +45 °C rated range; apply derating if the design permits operation above it.

Test with load restrained

Verify command, enable, feedback, current and serial-range diagnostics before restoring full machine motion.

FAQ and selection

Technical questions for an installed TDM axis

Lifecycle and supply

TDM3.2-030-300-W1 status

A current lifecycle phase for the exact Rexroth Indramat TDM3.2-030-300-W1 has not been confirmed.

Support and replacement

A replacement must match the DC-link supply, motor and feedback, MOD programming module, forced-air cooling and cabinet interfaces. The TDM3.2-020-300-W0 is a different rating and cooling configuration.

Apter Power availability

The offered unit quantity and dispatch date are confirmed separately in the quotation.

Technical source

Indramat MAC Servo Drives with Servo Drive Modules Applications Manual, DOK-ANAX**-TDM+KDS+MAC-AW02-EN-P / 9.552.268.4-01 (1994), with exact TDM3.2-030-300-W1 technical table.

Related Rexroth / Indramat references

Adjacent system items for identification; no substitution or compatibility is implied.

TDM3.2-020-300-W0 Natural-cooled TDM 3.2	**MOD 13** TDM 3.2 programming	**MOD 14** Potentiometer variant
LE5-024 24 V DC fan unit	**LE5-220** 220 V AC fan unit	**MAC 112B** Motor-family reference

Engineering FAQ

Why must TDM3.2-030-300-W1 have a fan unit?

The exact TDM 3 technical table requires one fan unit for this W1 variant. Verify fan type, supply, rotation and airflow before applying drive power; investigate any stopped fan before enabling the motor.

Can TDM3.2-020-300-W0 replace TDM3.2-030-300-W1?

No direct equivalence is established. The W0 entry has a lower current class and natural convection, while the offered W1 entry is 30 A type current with forced ventilation. Recheck the full axis design before any alternative.

Which MOD programming module belongs with TDM3.2-030-300-W1?

The TDM 3.2 class uses MOD 13 or MOD 14 depending on set-point potentiometer configuration, but the actual programmed module must match the controller and MAC motor labels. Read the installed MOD marking before reuse.

Product enquiry

sales13@apterpower.com | +86 18030235313