

Siemens 6DS1702-8AA

TELEPERM Four-Channel Analog Output Module

Product scope

- Generates four analog voltage or current outputs.
- Separates the system electronics from the output stages.
- Supports four documented bipolar-free output ranges.
- Requires the AA version's separate regulator arrangement.

Manufacturer source

Siemens TELEPERM M/ME manufacturer manual for analog output module 6DS1702-8AA/-8RR.

This English product record summarizes manufacturer-verified function, operating principle, application and exact-model matching requirements.

Request a fast quote	Product reference	
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Siemens 6DS1702-8AA

TELEPERM Four-Channel Analog Output Module

Manufacturer-source product record

This record consolidates exact-model facts from the manufacturer references listed below. It is included to identify the ordering configuration before the retained source pages.

L+ and PM supply	24 V DC (20 to 33 V DC)
Backplane supply	5 V DC (4.75 to 5.25 V DC)
L+ no-load current	200 mA
PM no-load current	20 mA
5 V bus no-load current	3 mA
Analog outputs	4
Current output ranges	0 to 20 mA or 4 to 20 mA
Current-output load	0 to 750 ohm
Voltage output ranges	0 to 10 V or 2 to 10 V
Maximum common-mode voltage	60 V between output stages and system potential
Accuracy	+/-0.25% of full scale
Additional current-output error	+/-0.06% per 100 ohm load
Temperature coefficient	50 ppm/deg C of full scale
Current test-socket load	Less than 25 ohm
Voltage test-socket load	500 kohm minimum
Operating temperature	0 to +55 deg C
Storage and transport temperature	-40 to +70 deg C
Mechanical format	Double-height ES 902 Eurocard, 233.4 x 160 mm, 2 SEP
Process connector	64-pin X2
I/O bus connector	48-pin X1

Official references

- Siemens TELEPERM M/ME manufacturer manual for analog output module 6DS1702-8AA/-8RR.

Only the exact configuration shown above is represented. Adjacent model variants, optional assemblies and system accessories are not treated as part of this ordering identity.

Function, operating principle and application

The notes below explain how this product is used and how its documented signal, power or control path operates. They remain limited to the manufacturer evidence for this model.

Function

The module generates four analog control outputs in selectable voltage or current ranges.

Operating principle

Digital setpoints are converted by D/A stages, conditioned by the voltage/current output circuitry and isolated from the system-side electronics.

Application

It supplies continuous commands to actuators, positioners and other analog final-control devices in TELEPERM M/ME systems.

Replacement boundary

The AA version depends on its separate regulator arrangement; verify range links, external supply, X2 wiring and load before startup.



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