

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

This product is no longer available. Contact MKS Applications Support for more information.

Pulse Width Modulating Slice Module



Overview

The AS11893G-41 Pulse Width Modulating Slice for Interfacing with Solid State Relays (SSR's) Module is a compact and high density solution for integrating Pulse Width Modulating outputs with the MKS Automation Platform PAC or CM modules, or with the MultiTherm™ 2000. Each PWM module supports 12 digital inputs and 12 PWM outputs. PWM outputs are typically used in temperature control applications, where the Pulse Width Modulating output interfaces to a Solid State Relay (SSR), which is driving a heater.

Technical Specs

Type	Pulse Width Modulating Slice Module
Number of Inputs	12
Output	Open collector sink/source
Number of Outputs	12
Power Consumption	@ 200mA = 24 V_IO@ 2.5 Amp, 24 V_CORE@ 0.15 Amp (per module) Assuming all DOs are loaded
Connector	Terminal
Input Isolation	2.5 kVrms
DI refresh rate	2.7 µSec
Debounce Filter	fixed to 4 cycles of DI Refresh Rate (10.8 µSec)
Logic Level	24 VDC (8 - 30 VDC)
Maximum update rate	25 µSec
Output Resolution	0.01% Full Scale power
Protection	ESD to IEC 61000-4-2 ±4 kV contact, short to +24 VDC, 24 V inductive load switching (each channel)
Pull Up/Down Value	22K
Sink Input Logic Level	24 VDC ±5%
Sink Output Maximum Leakage Current (OFF)	0.1 mA (output tied to 24 v)
Sink Output Minimum Thermal Current Limit (ON)	1 A per bank of 6
Sink Output Output Low Voltage (ON)	Maximum 1.1 v @ 200 mA
Source Input Logic level	24 V
Source Input Input Low Voltage Range ON	15 v (2.5 mA)
Source Input High Voltage Range OFF	12.8 v (2.15mA)
Source Input Input Current, Maximum ON	4.7 mA
Source Input Nominal Load Impedance	6 kOhm
Source Output Maximum Thermal Current Limit (ON)	2 A per bank of 6
Source Output Maximum Leakage Current (OFF)	0.1 mA (output tied to Ground)
Source Output Minimum Thermal Current Limit (ON)	1 A per bank of 6
Source Output Output High Voltage	Minimum 23.7 V @ 200 mA
Source Output Maximum Inductive Load Energy, 1Hz Cycled	60 mJ
Source Output Minimum Available Current Source (ON)	200 mA

Sink Input Nominal Load Impedance	6 kOhm
Sink Input Current, Maximum OFF	2.25 mA (10.7v)
Sink Input Current, Minimum ON	3.3 mA (4.5v)
Sink Input Current, Maximum ON	4.7 mA
Sink Output Maximum thermal current limit (ON)	2 A per bank of 6
Sink Output Minimum Available Current Sink (ON)	200 mA

Operational Environment Temperature	0 to 55 °C, with 2 °C upper limit reduction per 1000 ft above sea level
Storage Temperature	-40 - 85°C
Altitude	up to 2000 meters
Humidity	5 - 85% non-condensing
Dimensions	35 x 125 x 92.3 mm (1.4 x 3.3 x 4.9 in.)
Mounting	DIN rail

Need help?

Contact an Applications Specialist by sending us an email

©2025 MKS Inc. All rights reserved.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP