

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC / MAGNECRAFT

Schneider Electric / MagneCraft W6225DSX-1 Solid State Relay

Magnecraft W6225DSX-1 Class 6 Panel Mount Solid State Relay The Magnecraft W6225DSX-1 is a Class 6 panel-mount (hockey-puck) solid-state relay, legacy part for Schneider Electric 6225AXXSZS-DC3. It is SPST-NO with dual SCR output, zero-cross switching, 25 A contact rating, and 24 to 280 VAC load. DC control is 3 to 32 VDC. Intended for high cycle rate, silent switching with proper heat sinking (about 1 W dissipation per amp). AC heater and SSR temperature-control loads; incandescent and motor loads within ratings; industrial panel switching 24 to 280 VAC; replacement of W6225DSX-1 with 6225AXXSZS-DC3. The Magnecraft W6225DSX-1 is a Class 6 panel-mount (hockey-puck) solid-state relay, legacy part for Schneider Electric 6225AXXSZS-DC3. It is SPST-NO with dual SCR output, zero-cross switching, 25 A contact rating, and 24 to 280 VAC load. DC control is 3 to 32 VDC. Intended for high cycle rate, silent switching with proper heat sinking (about 1 W dissipation per amp). AC heater and SSR temperature-control loads; incandescent and motor loads within ratings; industrial panel switching 24 to 280 VAC; replacement of W6225DSX-1 with 6225AXXSZS-DC3.



MODEL

**Schneider Electric
/ MagneCraft
W6225DSX-1**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

W6225DSX-1

LISTING

<https://aumictechlabs.com/products/w6225dsx-1-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Schneider Electric / MagneCraft W6225DSX-1 is a panel-mount solid-state relay engineered for industrial AC load switching applications. It accepts DC control voltage and uses SCR (Silicon Controlled Rectifier) technology to switch AC loads up to 25 A RMS. Optical isolation between input and output provides solid noise immunity in demanding industrial environments. An integrated snubber circuit protects against transient overvoltages, while a red LED status indicator confirms input voltage presence. This device is discontinued; availability is limited to used or refurbished stock.

Technical Specifications
Control voltage: 3 VDC to 32 VDC
Input current: Maximum 16 mA
Load voltage: 24 VAC to 280 VAC
Rated load current: 25 A RMS
Output type: SCR, Single Pole Single Throw (Normally Open)
Surge current ratings: 83 A, 250 A, 520 A, 625 A, 1150 A
Input control method: DC
Output switching: AC with zero-crossing capability
Optical isolation: Yes
Internal protection: Snubber circuit included
Pin count: 4
Termination: Solder pin
Mounting: Panel mount (industrial)
Dimensions: 57.1 mm L × 44.4 mm W × 22 mm H
Operating temperature: -30 °C to +80 °C
Storage temperature: -40 °C to +100 °C
Weight: Approximately 0.20 lbs

Key Features
Optically coupled input/output isolation eliminates ground loops
Zero-crossing switching reduces EMI and load stress
Integrated snubber protects against inductive transients
LED status indicator for input state verification
Wide DC control range accommodates 3 V to 32 V logic signals
Low input current demand (16 mA max) reduces control circuit loading
SCR output handles resistive, inductive, and capacitive loads

Typical Applications
Industrial motor and pump control
Heater and lighting load switching
Process automation and machinery control
Factory automation panel mounting

Compatibility & Integration
Complies with IEC 60947-4-1 and IEC 60947-5-1
Meets Low Voltage Directive requirements
CE marked
UL recognized (File No. E52197)
RoHS compliant

Features & description

From manufacturer datasheet

Features

- Legacy W6225DSX-1 = 6225AXXSZS-DC3
- 25 A SPST-NO, dual SCR, zero-cross
- Load 24 to 280 VAC; control 3 to 32 VDC
- Green input LED; IP20; panel/hockey-puck mount
- Reverse polarity protection on DC input
- UL, CSA, CE, RoHS

W6225DSX Characteristics / Specifications

PARAMETER	VALUE
Model	W6225DSX-1
Manufacturer	Magnecraft / Schneider Electric
Instrument Type	Solid State Relay
Series	Class 6 panel mount SSR
Alias	W6225DSX-1; 6225AXXSZS-DC3; 6225DSX-1
Mounting Type	panel mount hockey puck
Contact Configuration	SPST-NO
Switching Device	SCR (2)
Switching Type	zero cross
Contact Rating	25 A
Output Voltage Range	24 to 280 VAC
Input Voltage Range	3 to 32 VDC
Maximum Turn On Voltage	3 VDC
Minimum Turn Off Voltage	1 VDC
Must Release Voltage	1 VDC
Typical Input Current	10 mA (one datasheet); 16 mA also listed on distributor SSR tables
Reverse Polarity Protection	yes
Maximum Zero Turn On Voltage	600 V peak
Maximum dv/dt Off State	500 V/us
Incandescent Lamp Rating	16 A rms
Motor Load Rating	8 A rms
Minimum Load Current	150 mA to maintain on
Nonrepetitive Surge Current	250 A (1 cycle)
Maximum RMS Overload 1 s	40 A
Maximum Off State Leakage	1 mA rms

PARAMETER	VALUE
Peak Blocking Voltage	600 Vpk
Maximum On State Voltage Drop	1.6 VAC rms
Maximum I2t For Fusing	260 A2s
Thermal Resistance Junction To Case	1.02 C/W
Minimum Insulation Resistance	1E9 ohms
Rated Insulation Voltage Input To Output	2500 VAC
Dielectric Strength Terminals To Chassis	4000 VAC
Operating Temperature	-40 to +80 C
Storage Temperature	-40 to +125 C
Input Terminal	M3.5
Output Terminal	M4
Screw Torque 6	10 in lb
Screw Torque 8 32 And 10	20 in lb
Degree Of Protection	IP20
LED Input	green
Weight	3 oz (86.50 g)
Agency Approvals	UL E258297; CE per IEC 60947-4-1; CSA 168986; RoHS
Heat Sink Note	mount on clean heat sink with thermal pad; dissipation typically 1 W per amp Notes Specs from Schneider Electric Magnecraft Class 6 datasheet for 6225AXXSZS-DC3 (legacy W6225DSX-1). Typical input current is 10 mA on the item datasheet and 16 mA on some distributor tables. Confirm heat sink for the 25 A load and 3 to 32 VDC control.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to +125 C
Operating temperature	40 to +80 C
Operating Temperature	40 to +80 C
Input Terminal	M3.5
Output Terminal	M4
Screw Torque 6	10 in lb
Screw Torque 8 32 And 10	20 in lb
Degree Of Protection	IP20
LED Input	green
Weight	3 oz (86.50 g)
Agency Approvals	UL E258297; CE per IEC 60947-4-1; CSA 168986; RoHS
Heat Sink Note	mount on clean heat sink with thermal pad; dissipation typically 1 W per amp Notes Specs from Schneider Electric Magnecraft Class 6 datasheet for 6225AXXSZS-DC3 (legacy W6225DSX-1). Typical input current is 10 mA on the item datasheet and 16 mA on some distributor tables. Confirm heat sink for the 25 A load and 3 to 32 VDC control.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
Specifications	
PARAMETER	VALUE
Model	W6225DSX-1
Manufacturer	Magnecraft / Schneider Electric
Instrument Type	Solid State Relay
Series	Class 6 panel mount SSR
Alias	W6225DSX-1; 6225AXXSZS-DC3; 6225DSX-1
Mounting Type	panel mount hockey puck
Contact Configuration	SPST-NO
Switching Device	SCR (2)
Switching Type	zero cross
Contact Rating	25 A
Output Voltage Range	24 to 280 VAC
Input Voltage Range	3 to 32 VDC
Maximum Turn On Voltage	3 VDC
Minimum Turn Off Voltage	1 VDC
Must Release Voltage	1 VDC
Typical Input Current	10 mA (one datasheet); 16 mA also listed on distributor SSR tables
Reverse Polarity Protection	yes
Maximum Zero Turn On Voltage	600 V peak
Maximum dv/dt Off State	500 V/us
Incandescent Lamp Rating	16 A rms
Motor Load Rating	8 A rms
Minimum Load Current	150 mA to maintain on
Nonrepetitive Surge Current	250 A (1 cycle)
Maximum RMS Overload 1 s	40 A
Maximum Off State Leakage	1 mA rms
Peak Blocking Voltage	600 Vpk

PARAMETER	VALUE
Maximum On State Voltage Drop	1.6 VAC rms
Maximum I ² t For Fusing	260 A ² s
Thermal Resistance Junction To Case	1.02 C/W
Minimum Insulation Resistance	1E9 ohms
Rated Insulation Voltage Input To Output	2500 VAC
Dielectric Strength Terminals To Chassis	4000 VAC
Operating Temperature	-40 to +80 C
Storage Temperature	-40 to +125 C
Input Terminal	M3.5
Output Terminal	M4
Screw Torque 6 32	10 in lb
Screw Torque 8 32 And 10 32	20 in lb
Degree Of Protection	IP20
LED Input	green
Weight	3 oz (86.50 g)
Agency Approvals	UL E258297; CE per IEC 60947-4-1; CSA 168986; RoHS
Heat Sink Note	mount on clean heat sink with thermal pad; dissipation typically 1 W per amp

Notes

Specs from Schneider Electric Magnecraft Class 6 datasheet for 6225AXXSZS-DC3 (legacy W6225DSX-1). Typical input current is 10 mA on the item datasheet and 16 mA on some distributor tables. Confirm heat sink for the 25 A load and 3 to 32 VDC control.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.