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Data Sheet

August 13, 2026

SCHNEIDER ELECTRIC / MAGNECRAFT

Schneider Electric / MagneCraft W199X-13 Power Relay

Magnecraft W199X-13 Open Style 40 Amp DPDT Power Relay The Magnecraft W199X-13 (199X-13) is an open-style 199-series heavy-duty power relay. It is DPDT (2 Form C), 40 A, 24 VDC coil, 290 ohm nominal. Contacts are 5/16 inch silver alloy, gold flashed, rated up to 40 A at 277 VAC. Switching is listed to 600 VAC or 28 VDC. Screw terminals, panel mount, ClassB insulation. Dielectric 2200 V rms coil-to-contacts and 1500 V rms across open contacts. High-current panel switching; 24 VDC coil control of 277 VAC loads; open-frame 40 A DPDT replacement; optional blowout-magnet DC switching on other 199 variants. The Magnecraft W199X-13 (199X-13) is an open-style 199-series heavy-duty power relay. It is DPDT (2 Form C), 40 A, 24 VDC coil, 290 ohm nominal. Contacts are 5/16 inch silver alloy, gold flashed, rated up to 40 A at 277 VAC. Switching is listed to 600 VAC or 28 VDC. Screw terminals, panel mount, ClassB insulation. Dielectric 2200 V rms coil-to-contacts and 1500 V rms across open contacts. High-current panel switching; 24 VDC coil control of 277 VAC loads; open-frame 40 A DPDT replacement; optional blowout-magnet DC switching on other 199 variants.



MODEL

**Schneider Electric
/ MagneCraft
W199X-13**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

W199X-13

LISTING

<https://aumictechlabs.com/products/w199x-13-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Schneider Electric/Magnecraft W199X-13 is a heavy-duty power relay engineered for high-capacity industrial switching. This panel-mount DPDT (2 Form C) relay operates on 24 VDC and delivers 40 A contact current at ratings up to 600 V AC or 28 V DC. Built with silver alloy contacts and riveted construction, It has 100,000 electrical cycles on resistive DC loads and 2 HP motor switching capability at 120–600 VAC. The relay accepts minimum switching current of 1000 mA and handles short-circuit currents to 3 kA, making it suitable for demanding control circuits.

Technical Specifications

Electrical Performance

Coil voltage: 24 VDC Coil resistance: 290 Ω Coil power: 4 W (DC) / 10 VA (AC) Contact current rating: 40 A (resistive) Contact voltage (AC): Up to 600 V Contact voltage (DC): Up to 28 V Rated operation: 40 A at 300 V AC; 40 A at 28 V DC (resistive loads) Motor rating: 2 HP at 120–600 VAC Tungsten filament: 15 A at 120 VAC Minimum switching current: 1000 mA at 5 VAC/VDC Short-circuit rating: 3 kA Fuse coordination: 50 A gG at 690 V (type 2 power circuit) Average pole impedance: 4 m Ω Contact & Durability Material: Silver alloy / Silver tin oxide (AgSnO); gold-flashed option available Electrical life: 100,000 cycles (resistive DC load) Mechanical life: Enhanced by riveted construction

Physical & Environmental

Mounting: Panel mount, screw terminals, 8 pins/terminals Wire strip length: 0.3 in (8 mm) Terminal torque: 10.6–15.05 lbf·in (1.2–1.7 N·m) Dimensions: 79.2 mm L × 58.67 mm H × 63.5 mm D Weight: 0.50–0.69 lbs (0.23–0.31 kg) Operating temperature: –55°C to +55°C Storage temperature: –55°C to +100°C Certifications: UL (E43641), CSA (168986), CE per IEC 60947-1; RoHS compliant

Key Features

Open-cover design for accessibility DPDT contact configuration with dual switching poles Silver alloy contacts rated for 40 A continuous 100,000-cycle electrical life under resistive DC loading Screw terminal connections with defined torque specification Rated for motor and tungsten filament loads

Typical Applications

Industrial motor control and switching Power distribution panel circuits Equipment interlocking and sequencing Lighting and load switching up to 40 A AC and DC circuit control in demanding environments

Compatibility & Integration

Optional blowout magnets and auxiliary switches with quick connects or screw terminals are available. An optional cover is offered for environments requiring additional protection.

Features & description

From manufacturer datasheet

Features

- Open-style 199 series, up to 40 A (options to 50 A) • W199X-13: DPDT, 24 VDC, 290 ohm • 40 A at 277 VAC 50/60 Hz; 40 A at 28 VDC; 5 A at 600 VAC • Silver alloy gold-flashed 5/16 inch contacts • Screw terminals; panel mount • UL, CSA, CE

W199X Characteristics / Specifications

PARAMETER	VALUE
Model	W199X-13
Manufacturer	Magnecraft / Schneider Electric
Instrument Type	Open Style Power Relay
Series	199 / W199
Alias	W199X-13; 199X-13
Contact Form	DPDT (2 Form C)
Contact Current Rating	40 A
Coil Voltage	24 VDC
Coil Resistance	290 ohm nominal
Switching Voltage Listing	600 VAC, 28 VDC
Contact Material	silver alloy, gold flashed
Contact Diameter	5/16 inch
Thermal Carrying Current Family	40 A
Maximum Switching Voltage Family	600 V
Resistive AC Family	40 A at 277 V 50/60 Hz
Resistive High Voltage Family	5 A at 600 VAC 50/60 Hz
Resistive DC Family	40 A at 28 VDC
Termination	screw (quick connect configurable on series)
Mounting	panel
Insulation	ClassBDielectric Coil To Contacts: 2200 V rms
Dielectric Open Contacts	1500 V rms
Dielectric Pole To Pole	1500 V rms (listing)
Dimensions Max Listing	3.12 inLx 2.50 inWx 2.31 inHLength Alternate: 79.2 mm class
Width Alternate	63.5 mm class
Height Alternate	58.67 mm class

PARAMETER	VALUE
Unit Weight Listing	11.0 oz class
Power Consumption Listing	4 W DC class
Coil Type	non-latching
Operating Temperature Listing	-40 to +60 C (one distributor); series also to +55 C
Base	molded phenolic
Construction	riveted open type
Approvals	UL, CSA, CE
Related AC Coil Sibling	W199X-14 and 120 Vac class 199 parts
Related DPST Sibling	W199X-7 / W199X-8 Notes Specs from Magnecraft 199 / W199 open-style datasheet and W199X-13 listings (DPDT, 40 A, 24 VDC, 290 ohm). Confirm 24 VDC coil versus AC-coil 199 parts and any blowout-magnet option on the frame.
W199X-13	DPDT, 24 VDC, 290 ohm
Operating temperature	Listing: -40 to +60 C (one distributor); series also to +55 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Listing: -40 to +60 C (one distributor); series also to +55 C
Operating Temperature	Listing: -40 to +60 C (one distributor); series also to +55 C
Operating Temperature Listing	-40 to +60 C (one distributor); series also to +55 C
Base	molded phenolic
Construction	riveted open type
Approvals	UL, CSA, CE
Related AC Coil Sibling	W199X-14 and 120 Vac class 199 parts
Related DPST Sibling	W199X-7 / W199X-8 Notes Specs from Magnecraft 199 / W199 open-style datasheet and W199X-13 listings (DPDT, 40 A, 24 VDC, 290 ohm). Confirm 24 VDC coil versus AC-coil 199 parts and any blowout-magnet option on the frame.

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	
Technical Specifications	
PARAMETER	VALUE
Model	W199X-13
Manufacturer	Magnecraft / Schneider Electric
Instrument Type	Open Style Power Relay
Series	199 / W199
Alias	W199X-13; 199X-13
Contact Form	DPDT (2 Form C)
Contact Current Rating	40 A
Coil Voltage	24 VDC
Coil Resistance	290 ohm nominal
Switching Voltage Listing	600 VAC, 28 VDC
Contact Material	silver alloy, gold flashed
Contact Diameter	5/16 inch
Thermal Carrying Current Family	40 A
Maximum Switching Voltage Family	600 V
Resistive AC Family	40 A at 277 V 50/60 Hz
Resistive High Voltage Family	5 A at 600 VAC 50/60 Hz
Resistive DC Family	40 A at 28 VDC
Termination	screw (quick connect configurable on series)
Mounting	panel
Insulation	Class B
Dielectric Coil To Contacts	2200 V rms
Dielectric Open Contacts	1500 V rms
Dielectric Pole To Pole	1500 V rms (listing)
Dimensions Max Listing	3.12 in L x 2.50 in W x 2.31 in H
Length Alternate	79.2 mm class
Width Alternate	63.5 mm class

PARAMETER	VALUE
Height Alternate	58.67 mm class
Unit Weight Listing	11.0 oz class
Power Consumption Listing	4 W DC class
Coil Type	non-latching
Operating Temperature Listing	-40 to +60 C (one distributor); series also to +55 C
Base	molded phenolic
Construction	riveted open type

Specifications

PARAMETER	VALUE
Model	W199X-13
Manufacturer	Magnecraft / Schneider Electric
Instrument Type	Open Style Power Relay
Series	199 / W199
Alias	W199X-13; 199X-13
Contact Form	DPDT (2 Form C)
Contact Current Rating	40 A
Coil Voltage	24 VDC
Coil Resistance	290 ohm nominal
Switching Voltage Listing	600 VAC, 28 VDC
Contact Material	silver alloy, gold flashed
Contact Diameter	5/16 inch
Thermal Carrying Current Family	40 A
Maximum Switching Voltage Family	600 V
Resistive AC Family	40 A at 277 V 50/60 Hz
Resistive High Voltage Family	5 A at 600 VAC 50/60 Hz
Resistive DC Family	40 A at 28 VDC
Termination	screw (quick connect configurable on series)
Mounting	panel
Insulation	ClassBDielectric Coil To Contacts: 2200 V rms
Dielectric Open Contacts	1500 V rms
Dielectric Pole To Pole	1500 V rms (listing)
Dimensions Max Listing	3.12 inLx 2.50 inWx 2.31 inHLength Alternate: 79.2 mm class

PARAMETER	VALUE
Width Alternate	63.5 mm class
Height Alternate	58.67 mm class
Unit Weight Listing	11.0 oz class
Power Consumption Listing	4 W DC class
Coil Type	non-latching
Operating Temperature Listing	-40 to +60 C (one distributor); series also to +55 C
Base	molded phenolic
Construction	riveted open type

Options Family: auxiliary 10 A switches; blowout magnets for high DC; tungsten or fine silver contacts; metal enclosure

Specifications

PARAMETER	VALUE
Approvals	UL, CSA, CE
Related AC Coil Sibling	W199X-14 and 120 Vac class 199 parts
Related DPST Sibling	W199X-7 / W199X-8

Notes
Specs from Magnecraft 199 / W199 open-style datasheet and W199X-13 listings (DPDT, 40 A, 24 VDC, 290 ohm). Confirm 24 VDC coil versus AC-coil 199 parts and any blowout-magnet option on the frame.

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

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