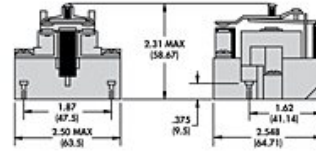


Item # W199DBX-3, 199 Open Style Power Relays / SPST-NO-DM, 40 Amp Rating (DC)



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Specifications

Check Inventory	Check Distributor Inventory
Status	Standard
Cover Style	Open Style
Options	Magnetic Blowout

Contact Characteristics

Contact Rating	40 A
Contact Configuration	SPST-NO-DM
Contact Materials	Silver Alloy
Maximum Switching Voltage (V)	600 V
Switching Current at Voltage (AC, Resistive)	40 A at 300 VAC 50/60 Hz, 12 A at 420 VAC 50/60 Hz, 10 A at 600 VAC 50/60 Hz
Switching Current at Voltage (DC, Resistive)	40 A at 28 VDC
Switching Current at Voltage (Pilot Duty)	A600
Current Ratings with Magnetic Blowout	20 A at 110 VDC, 8 A at 220 VDC, 4 A at 325 VDC, 2 A at 500 VDC
Minimum Switching Requirement	1 A at 5 VAC/VDC

Coil Characteristics

Nominal Input Voltage	24 VDC
Coil Resistance (Ohms)	290 Ohm
Operating Range - % of Nominal (AC)	85 to 110 %
Operating Range - % of Nominal (DC)	80 to 110 %
Average Consumption (AC / VA)	10 VA
Average Consumption (DC / W)	4 W
Drop-out Voltage Threshold (DC)	10 %
Drop-out Voltage Threshold (AC)	10 %

Performance Characteristics

Electrical Life (UL508), Operations at Rated Current (Resistive)	100000
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Mechanical Life, Unpowered	1000000
Operating Time (Response Time)	30 ms

Environment

Ambient Air Temperature around the Device - Storage	-40 to +85 çC
Ambient Air Temperature around the Device - Operation	-40 to +55 çC
Connection	8 AWG 10 mm_
Terminal Tightening Torque	7 to 9 in lb 0.8 to 1.0 Nàm

Product Certifications

Agency Approvals	UL (E43641) CSA (168986) CE (per IEC 60947-1) RoHS
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