

ENGINEERING DATA SHEET

SERIES W-X9YN

PLUG-IN CONTACTOR
3 PST/NO, 275 AMP



Line Replaceable Contactor (LRC)

Balanced-Force design

Meets the standards and requirements of

MIL-PRF-6106

Contact arrangement

3 PST/NO

PRINCIPLE TECHNICAL CHARACTERISTICS

Contacts rated at

**28 Vdc and 115/200Vac,
400Hz, 3Ø**

Weight

3.50lbs max

Dimensions

4.43 in. x 4.43 in. x 3.70 in.

Special units available upon request, including models with auxiliary contacts.

CONTACT ELECTRICAL CHARACTERISTICS

Contact rating per pole and load type	Load current in Amps
	115/200 Vac, 400 Hz, 3Ø
Resistive	275
Inductive	275
Motor	175



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www.leachintl.com

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20/F Shing Hing Commercial Bldg.
21-27 Wing Kut Street
Central, Hong Kong

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Data sheets are for initial product selection and comparison. Contact Leach International prior to choosing a component.

COIL CHARACTERISTICS (Vdc)**SERIES W-X9YN**

Nominal operating voltage	28 Vdc
Pick-up voltage	15 Vdc
Drop-out voltage	1.5 to 10 Vdc
Maximum pick-up time	20 ms at 20 Vdc
Maximum drop-out time	20 ms
Maximum pick-up current	6 Amp
Maximum hold current	.8 Amp
Minimum hold voltage	10 Vdc
Coil transient suppression	+/- 45 V max

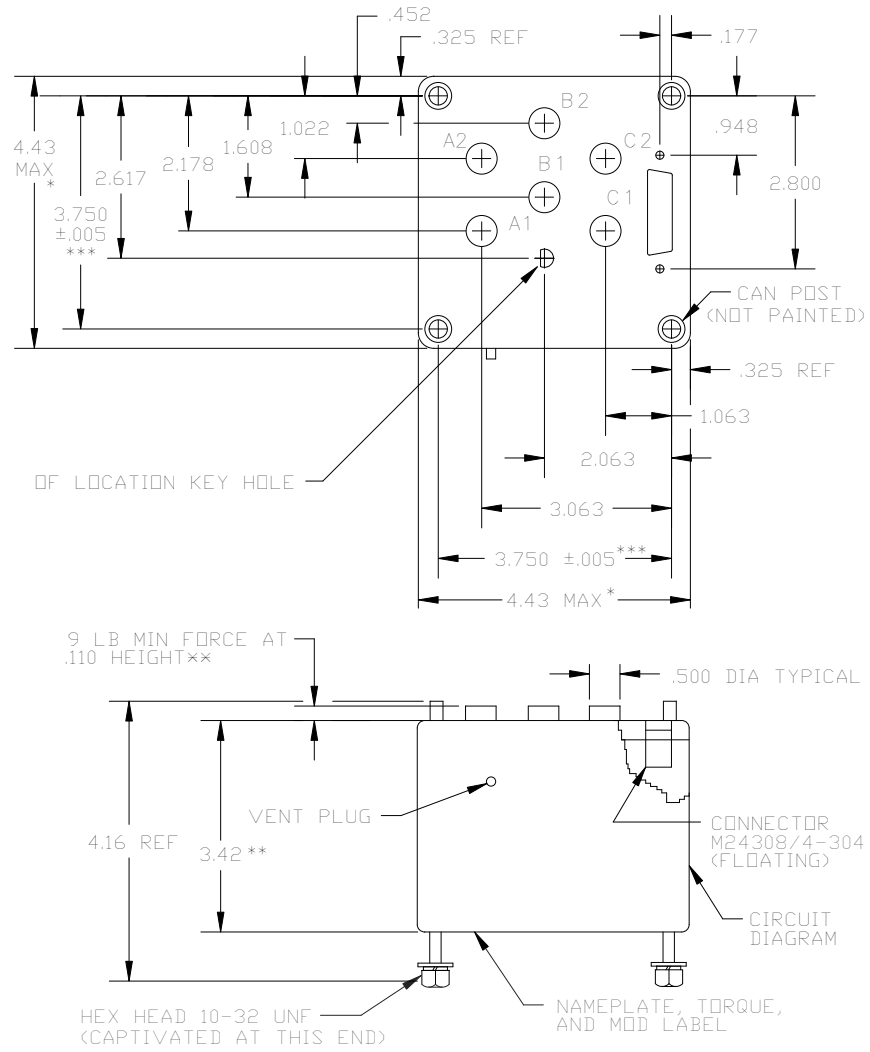
GENERAL CHARACTERISTICS

Contact Data	Main Contacts	Aux Contacts
-Configuration	3PST NO	2X 1PST NC, 3X 1PST NO
-Supply voltage	115/200 Vac	28 Vdc
-Continuous current	275 Amp at .5PF	100mA; compatible with a 7.5A circuit breaker
-Rupture current	1600 Amp	-
-Overload	520 Amp	-
-Maximum contact bounce	3 ms	3 ms
-Simultaneous operation	3 ms	3 ms
Electrical life		
-At ambient pressure	25,000 operations	
-At 45,000 ft	25,000 operations	
Mechanical life	100,000 operations	
Insulation resistance	≥ 40 M Ω at 500 Vrms	
Dielectric Strength		
-All circuits to ground	1500 Vrms	
-Circuit to circuit to ground and aux contacts	1250 Vrms	
Altitude	45,000 ft	
Continuous operating temperature range	-15°C to +65°C	

NUMBERING SYSTEM

	W-X9YN - XXX
Basic series designation_____	
Customer configuration_____	

275 A LRC
 3 PST-N.O. WITH 5 PST AUX
 W-X9YN-029



SCHEMATIC

