HAR BO HARSON

Application Notes:

Non-latching, solenoid design power contactor

c	Qualified to	MIL-PRF-6106 MS24166-D1
C	Contact Arrangement	1 PST N.O.

PRINCIPLE TECHNICAL CHARACTERISTICS

Contacts rated at	50 Amps / 28 Vdc		
• Weight	267g max.		
Dimensions	70mm x 52mm x 62mm max.		
Special units available upon request.			

CONTACT ELECTRICAL CHARACTERISTICS

Contact rating per pole	Load current in Amps	
and load type [1]	28 Vdc	
Resistive	50	
Inductive	50	
Motor	50	
Lamp	25	
Overload	400	
Repture	500	
minimum current (Amps)	5	

The technical information provided by Leach International Corporation is to be used as a guide only, and is not meant for publication or as documentation for altering any existing specification. Dimensions are in inches unless otherwise specified. Rev. 4/2019.

COIL CHARACTERISTICS (Vdc)

Nominal operating voltage	28
Maximum operating voltage	29
Maximum pick-up voltage	18
Maximum drop-out voltage	7
Coil resistance ohms ±10% at +25° C	94 Ω
Maximum coil current at +25° C	0.35 Amp

GENERAL CHARACTERISTICS

Temperature range	-55°C to +71°C
Dielectric strength at sea level	
- Circuits to ground and circuit to circuit	1250 Vrms / 50 Hz
- Across open contacts and coil to ground	1250 Vrms / 50 Hz
Dielectric strength at altitude 50,000 ft	500 Vrms / 50 Hz
Insulation resistance at 500 Vdc	> 100 M Ω
Sinusoidal vibration	2G / 55 to 500 Hz
Shock	25G
Maximum contact opening time under vibration and shock	2 ms
Operate time at nominal voltage	20 ms max
Release time at nominal voltage	10 ms max

Notes

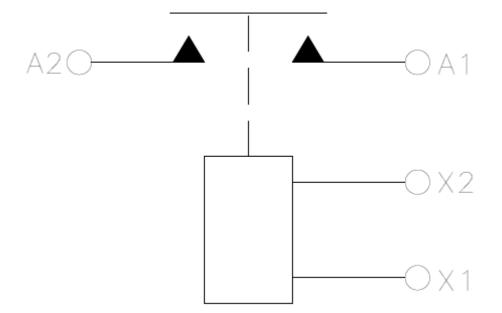
- Applicable specification: MIL-PRF-6106

- Applicable standard number: MS24166-D1

- Special units available upon request



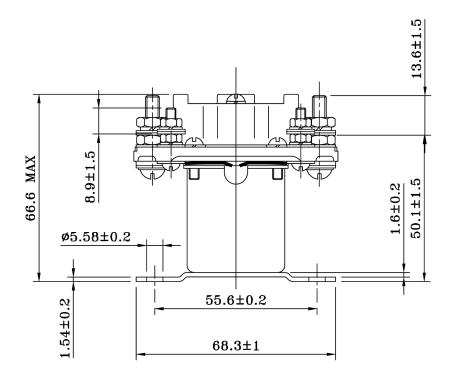
SCHEMATIC DIAGRAM

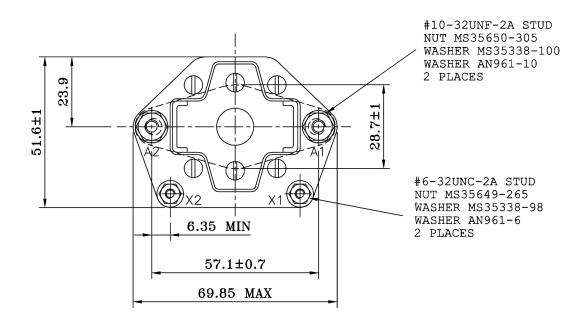


7064-4653 CONTACTOR 1PST, N.O. 50 AMP

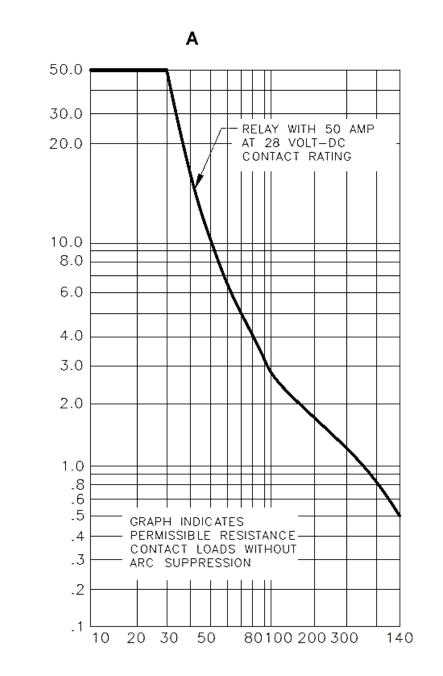
Dimensions in milimeters Tolerances, unless otherwise specified: ±.079mm

MOUNTING STYLES





TYPICAL CHARACTERISTICS GIVEN AS AN INDICATION





VOLTS-DC

A Curve for DC voltages above normal rating