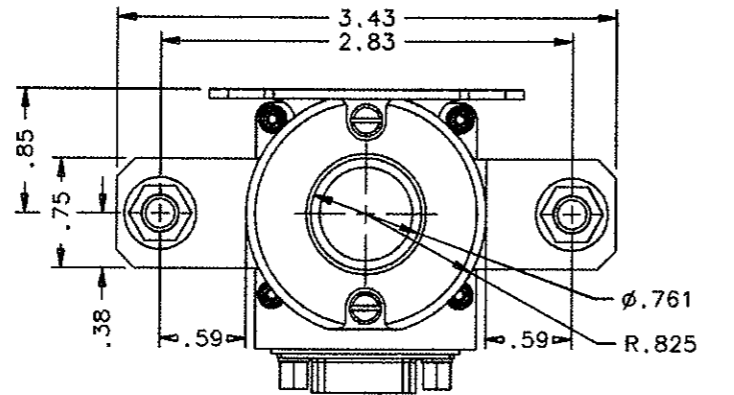


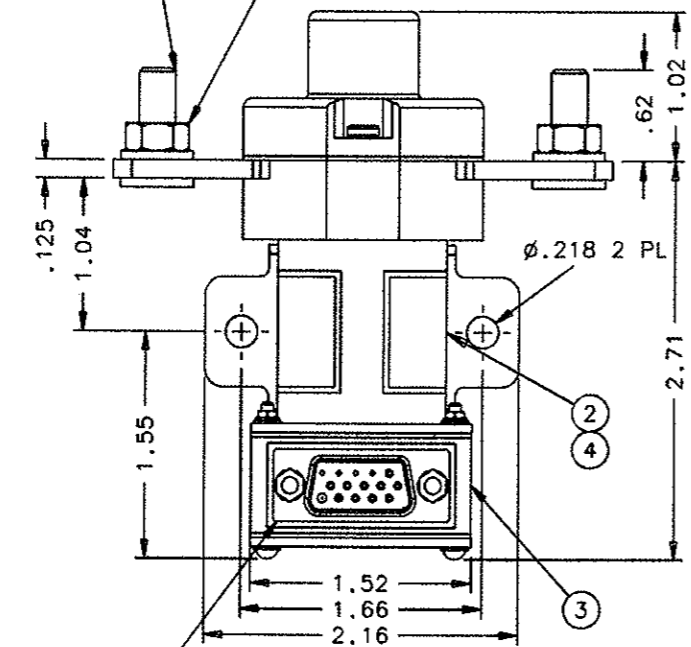
THIS ENTIRE DRAWING IS SUBJECT TO THE FOLLOWING LEGEND:
 THOSE PORTIONS OF THIS TECHNICAL DATA INDICATED AS LIMITED RIGHTS DATA SHALL NOT, WITHOUT THE WRITTEN PERMISSION OF THE ABOVE CONTRACTOR, BE EITHER (a) USED, RELEASED OR DISCLOSED IN WHOLE OR IN PART OUTSIDE THE GOVERNMENT (b) USED IN WHOLE OR IN PART BY THE GOVERNMENT FOR MANUFACTURE OR, IN THE CASE OF COMPUTER SOFTWARE DOCUMENTATION, FOR PREPARING THE SAME OR SIMILAR COMPUTER SOFTWARE, OR (c) USED BY A PARTY OTHER THAN THE GOVERNMENT, EXCEPT FOR: (1) EMERGENCY REPAIR OR OVERHAUL WORK ONLY, BY OR FOR THE GOVERNMENT, WHERE THE ITEM OR PROCESS CONCERNED IS NOT OTHERWISE REASONABLY AVAILABLE TO ENABLE TIMELY PERFORMANCE OF THE WORK, PROVIDED THAT THE RELEASE OR DISCLOSURE HEREOF OUTSIDE THE GOVERNMENT SHALL BE MADE SUBJECT TO A PROHIBITION AGAINST FURTHER USE, RELEASE OR DISCLOSURE; OR (11) RELEASE TO A FOREIGN GOVERNMENT, AS THE INTEREST OF THE UNITED STATES MAY REQUIRE, ONLY FOR INFORMATION OR EVALUATION WITHIN SUCH GOVERNMENT OR FOR EMERGENCY REPAIR OR OVERHAUL WORK BY OR FOR SUCH GOVERNMENT UNDER THE CONDITIONS OF (1) ABOVE. THIS LEGEND, TOGETHER WITH THE INDICATIONS OF THE PORTIONS OF THIS DATA WHICH ARE SUBJECT TO SUCH LIMITATIONS SHALL BE INCLUDED ON ANY REPRODUCTION HEREOF WHICH INCLUDES ANY PART OF THE PORTIONS SUBJECT TO SUCH LIMITATION.

HARTMAN® PROPRIETARY (DO NOT COPY)

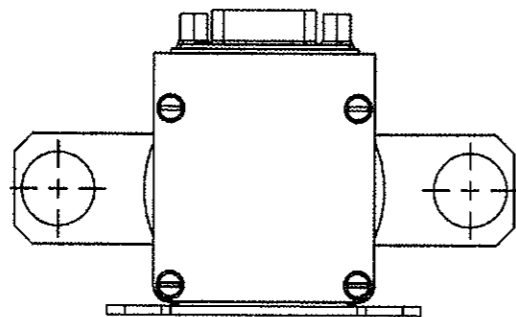
REVISIONS		RELEASED	
SYM	DESCRIPTION	DATE	APPROVED
A	44661 REDRAW CONTACT SHEID; REDIMENSION; REMOVED *PRELIMINARY DRAWING*	01/05/11	CC
B	0382-02 UPDATE VIEWS AND SPECIFICATIONS; ADDED *PRELIMINARY DRAWING*	02/05/15	CB
C	0580-02 REMOVED *PRELIMINARY DRAWING*; COIL INRUSH WAS 8 AMP; OPERATE TIME WAS 650 mA; ITEM 3 WAS 44898-060; QTY OF ITEM 4 WAS 1	02/06/21	CC
D	0182-02 RELOCATED BALLOONS 1 & 2	02/10/16	CC



1/4-28 UNF-2A
2 STUDS
RECOMMENDED TORQUE VALUE
56.3 IN/LBS PER MIL-PRF-6106



CONNECTOR
M24308/4-11



CONSTRUCTION
MAIN CONTACTS
CONFIGURATION
VOLTAGE
CURRENT
RESISTIVE OVERLOAD
INRUSH RUPTURE

AUXILIARY CONTACTS
CONFIGURATION
VOLTAGE
CURRENT
RESISTIVE INDUCTIVE LAMP
LOW LEVEL

COIL DATA
DUTY CYCLE
MAX OPERATE VOLTAGE
NOM OPERATE VOLTAGE
MAX PICKUP VOLTAGE
DROPOUT VOLTAGE
COIL CURRENT
INRUSH HOLD
OPERATE TIME
RELEASE TIME
BOUNCE TIME

ENVIRONMENTAL DATA
TEMPERATURE
ALTITUDE

LIFE ELECTRICAL
LIFE MECHANICAL
WEIGHT MAX EST.

GASKET SEALED

SPST N.O. (DOUBLE BREAK)
28 VDC

400 AMPS
450 AMPS FOR 5 MIN.
1000 AMPS FOR 10 SEC.
1500 AMPS
4000 AMPS

2 N.O., 2 N.C.
28 VDC

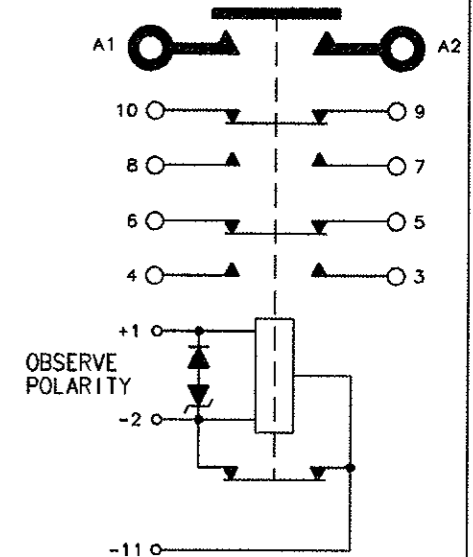
5 AMPS
2 AMPS
1 AMP
1 mA AT 28 VDC

CONTINUOUS (ECONOMIZED)

32 VDC
28 VDC
18 VDC MAX
9 VDC MAX
5.5 AMP MAX
500 mA MAX
35 mSEC MAX AT 18 TO 32 VDC
20 mSEC MAX AT 28 VDC
5 mSEC MAX AT 18 TO 32 VDC

-55°C TO 85°C
50,000 FEET

50,000 CYCLES MIN.
100,000 CYCLES MIN.
.77 LBS.



NOTES:

1. COIL TRANSIENT VOLTAGE LIMITED TO ±42 VOLTS REFERENCED TO ZERO VOLTS.
2. AUXILIARY CONTACTS ARE GOLD PLATED.
3. 1 MILLIAMPERE RATING DOES NOT APPLY IF CONTACTS HAVE SWITCHED LOADS ABOVE 1 MILLIAMPERE.
4. CONNECTION -11 IS PROVIDED TO ENSURE OPTIMUM PERFORMANCE DURING STARTING. WHEN USED AS A START CONTACTOR, POSITIVE VOLTAGE IS APPLIED TO CONNECTION +1, AND NEGATIVE TO CONNECTION -11. FOR CONTINUOUS DUTY OPERATION, POSITIVE VOLTAGE IS APPLIED TO CONNECTION +1, AND NEGATIVE TO CONNECTION -2.
5. IF CONNECTION -11 IS USED, THE COILS DUTY CYCLE IS INTERMITTENT.

6	2	51807-034	WASHER - LOCK NO. 1/4 SPLIT TYP.			BRONZE
5	2	50407-074	NUT 1/4-28 X 3/8 X 3/16 HEX			BRASS
4	2	39529-059	OVERLAY			
3	1	44898-070	CONTACTOR ASSEMBLY - PRIMARY			
2	1	44900-003	PLATE - SCHEMATIC DIAGRAM			
1	1	44899-008	PLATE - NAME			
FIND NO	QTY REQD	PART OR IDENTIFYING NO	NOMENCLATURE OR DESCRIPTION	CAGE NO	DRAWING OR SPECIFICATION	MATERIAL OR NOTE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON			Hartman Division, 175 N. DIAMOND STREET, WANSFIELD, OHIO 44902 CONTACTOR-SPST N.O. 400 AMP, 28 VDC 093 DWG NO. K-400A5C REF TYCO P/N 0-1616069-1			
2 PL DEC.	3 PL DEC.	ANGLES				
±.06	±.010	±1°	CHK BY	CC	02/10/23	
MATERIAL			ENGR	LSJ	02/10/24	
			MFG	LSJ	02/10/24	
			SIZE	CODE IDENT		
			B	74063		
			SCALE	1/1	SHEET	