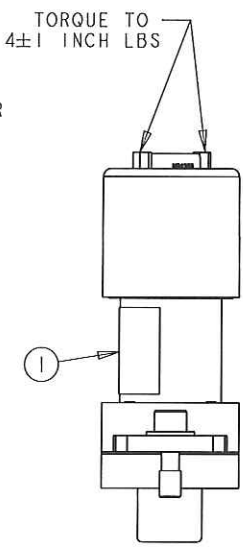
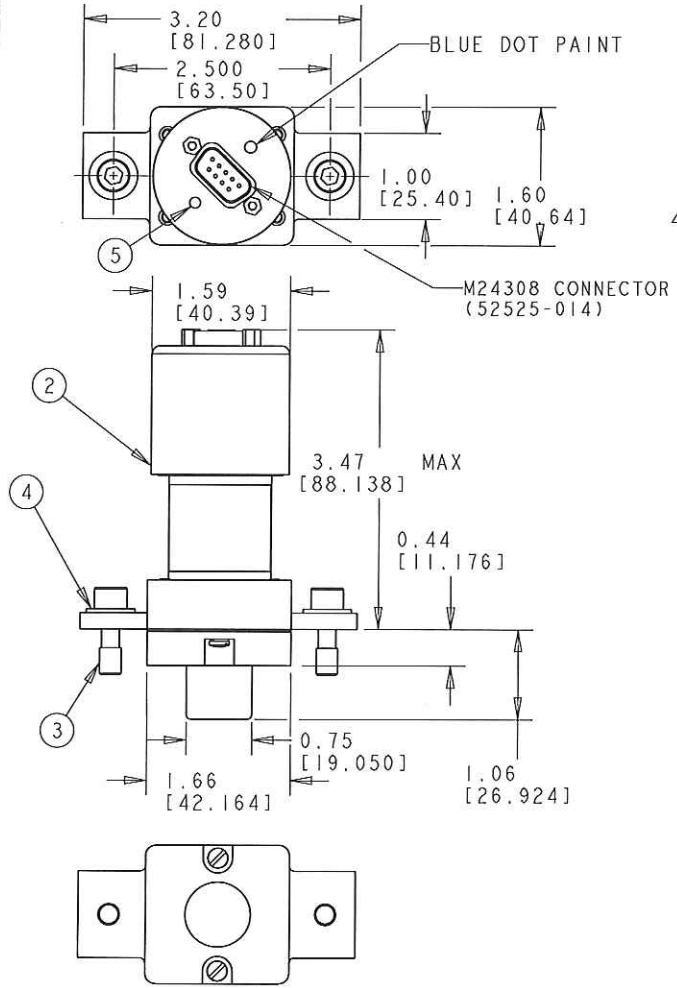


USED ON

DWG NO 7-1616946-0
THIS DRAWING IS A CONTROLLED DOCUMENT



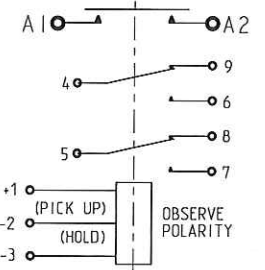
CONSTRUCTION
MAIN CONTACTS
 CONFIGURATION SPST N.O (DOUBLE BREAK)
 VOLTAGE (NOMINAL) 28VDC
 CURRENT 500 AMPS
 RESISTIVE 4000 AMPS
 RUPTURE 750 AMPS 5 MIN 1000 AMPS 5 SEC
 OVERLOAD 100 mV MAX AT 500 AMPS
 VOLTAGE DROP

AUXILIARY CONTACTS
 CONFIGURATION 2 SPDT
 VOLTAGE 28VDC
 CURRENT 7 AMP MAX CONTACT (5,8)
 RESISTIVE 1 mA MIN CONTACTS (4,6), (4,9)
 LOW LEVEL AND (5,7) - SEE NOTE 2

COIL DATA
 DUTY CYCLE CONTINUOUS
 NOM. OPERATE VOTAGE 28VDC
 MAX. PICKUP VOTAGE 18VDC MAX 85°C
 DROPOUT VOTAGE 10VDC MAX 120°C
 COIL CURRENT:
 INRUSH 7.8 AMPS MAX AT 32 VDC @ -55°C
 HOLD 272mA MAX AT 32 VDC @ -55°C
 OPERATE TIME .045 SEC MAX AT 18 VDC @ 85°C
 RELEASE TIME .025 SEC MAX AT 32 VDC

ENVIRONMENTAL DATA
 TEMPERATURE -55°C TO 85°C (WITH TRANSIENTS TO 120°C)
 ALTITUDE 51,000 FEET

LIFE ELECTRICAL 50,000 CYCLES MIN.
LIFE MECHANICAL 100,000 CYCLES MIN.
WEIGHT, MAX. .85 LBS. (0.39Kg)



SEE NOTE 8

- NOTES:**
- AUX. CONTACTS GOLD PLATED.
 - LOW LEVEL RATING NOT APPLICABLE AFTER APPLICATION OF CURRENT GREATER THAN 125 mA.
 - REF. GOODRICH EQUIP. SPEC 15-200098 FOR OTHER PARAMETERS.
 - REF. PRACTICAL WIRING DIAGRAM (DWG NO. TO BE ASSIGNED)
 - CONTACTOR MEETS MATERIAL AND WORKMANSHIP REQUIREMENTS OF MIL-PRF-6106L.
 - VIBRATION LEVEL (CAT S, SECTION 8 OF RTCA D0160D)-AMPLIFICATION FACTOR TBD.
 - ACCELERATION LEVEL (CAT B, SECTION 7 OF RTCA D0160D)
 - PICKUP MUST BE LIMITED TO 150ms ACROSS PINS 1 & 2.

5	1	57200-057	YELLOW DOT			1-1616374-8
4	2	51807-430	WASHER, BELLEVILLE 1/4			6-1616949-6
3	2	47362-001	SOCKET CAP TERMINAL SCREW			7-1616922-4
2	1	46095-030	CONTACTOR ASSEMBLY PRIMARY			2-1616922-9
1	1	47363-001	NAME PLATE			1-1616992-6

CAGE CODE: 76043
 Horicon Division 175 N. BIRCHWOOD STREET MANSFIELD, OHIO 44922

DIMENSIONS: INCHES [mm]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DWN 01MAR2016	MATERIAL	HEAT TREAT		
0 PLC ±	1 PLC ±	CHK 01MAR2016		TE Connectivity NAME CONTACTOR SPST N.O. DB 500 AMP, 28 VDC K-500B4B01		
1 PLC ±	2 PLC ±0.02	APVD 01MAR2016				
2 PLC ±	3 PLC ±0.005	RS				
3 PLC ±	4 PLC ±					
ANGLES ±	SURFACE TEXTURE	SCALE	SIZE A3	DRAWING NO 7-1616946-0	SHEET 1 OF 1	REV D

D	UPDATED BOM AND BALLOONS	4/13/2016	RSS	RS
C	ITEM 5 ADDED TO BOM, REDRAWN	01MAR2016	MR	RS
B	ITEM 4 WAS 51807-340	17OCT2005	CB	RS
LTR	REVISION RECORD	DATE	DWN	APVD

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