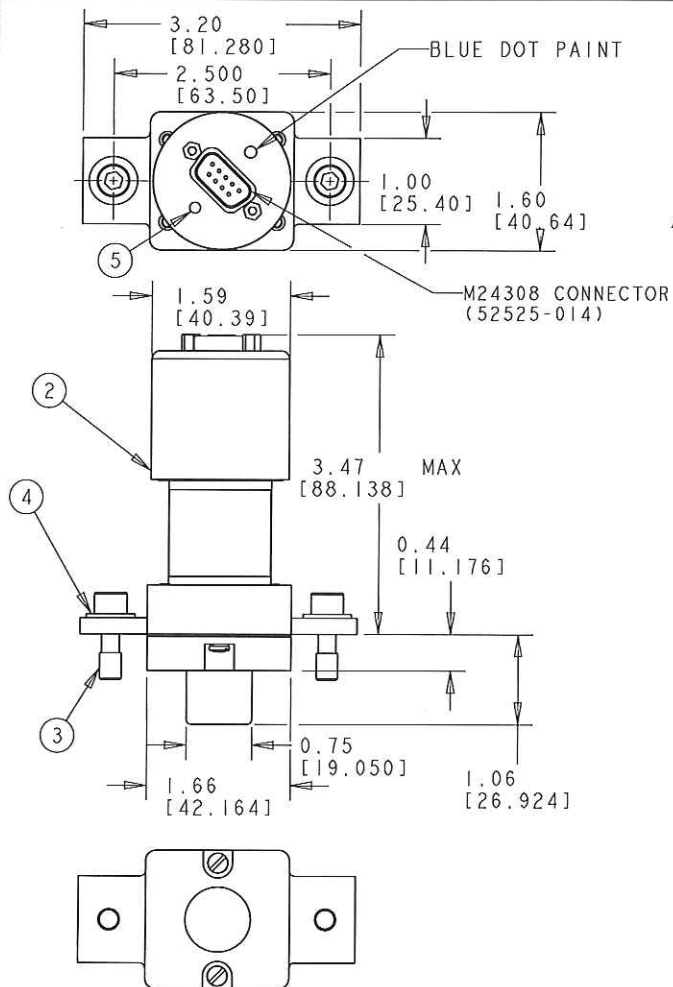
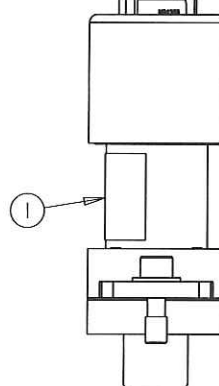


TORQUE TO
4±1 INCH LBS

CONSTRUCTION
MAIN CONTACTS
CONFIGURATION
VOLTAGE (NOMINAL)
CURRENT
RESISTIVE
RUPTURE
OVERLOAD
VOLTAGE DROP

GASKET SEALED

SPST N.O (DOUBLE BREAK)
28VDC

500 AMPS
4000 AMPS
750 AMPS 5 MIN 1000 AMPS 5 SEC
100 mV MAX AT 500 AMPS

AUXILIARY CONTACTS
CONFIGURATION
VOLTAGE
CURRENT
RESISTIVE
LOW LEVEL

2 SPDT
28VDC

7 AMP MAX CONTACT (5,8)
1 mA MIN CONTACTS (4,6), (4,9)
AND (5,7) - SEE NOTE 2

COIL DATA

DUTY CYCLE
NOM. OPERATE VOTAGE
MAX. PICKUP VOTAGE
DROPOUT VOTAGE
COIL CURRENT:
INRUSH
HOLD
OPERATE TIME
RELEASE TIME

CONTINUOUS
28VDC
18VDC MAX 85°C
10VDC MAX 120°C

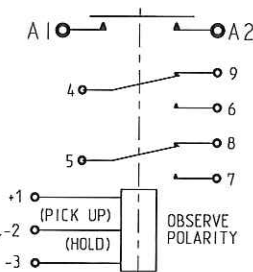
7.8 AMPS MAX AT 32 VDC @ -55°C
272mA MAX AT 32 VDC @ -55°C
.045 SEC MAX AT 18 VDC @ 85°C
.025 SEC MAX AT 32 VDC

ENVIRONMENTAL DATA
TEMPERATURE
ALTITUDE

-55°C TO 85°C (WITH TRANSIENTS TO 120°C)
51,000 FEET

LIFE ELECTRICAL
LIFE MECHANICAL
WEIGHT, MAX.

50,000 CYCLES MIN.
100,000 CYCLES MIN.
.85 LBS. (0.39Kg)



SEE NOTE 8

NOTES:

1. AUX. CONTACTS GOLD PLATED.
2. LOW LEVEL RATING NOT APPLICABLE AFTER APPLICATION OF CURRENT GREATER THAN 125 mA.
3. REF. GOODRICH EQUIP. SPEC 15-200098 FOR OTHER PARAMETERS.
4. REF. PRACTICAL WIRING DIAGRAM (DWG NO. TO BE ASSIGNED)
5. CONTACTOR MEETS MATERIAL AND WORKMANSHIP REQUIREMENTS OF MIL-PRF-6106L.
6. VIBRATION LEVEL (CAT S, SECTION 8 OF RTCA DO160D)-AMPLIFICATION FACTOR TBD.
7. ACCELERATION LEVEL (CAT B, SECTION 7 OF RTCA DO160D)
8. PICKUP MUST BE LIMITED TO 150ms ACROSS PINS 1 & 2.

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

CAGE CODE: 76043	
Horizon Division 175 N. BROAD STREET MANSFIELD, OHIO 44902	
DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
INCHES [mm]	
0 PLC ±	
1 PLC ±	
2 PLC ±0.02	
3 PLC ±0.005	
4 PLC ±	
ANGLES ±	
SURFACE TEXTURE	✓

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	
FIRB NO	QTY REQD	PART OR IDENTIFYING NO	NONCULATURE OR DESCRIPTION	DRAWING OR SPECIFICATION	FSCK NO	TE PART NO	MATERIAL OR NOTE
DWN	MR	01MAR2016	MATERIAL	 TE Connectivity	HEAT TREAT		
CHK	RV	01MAR2016					
APVD	RS	01MAR2016					
NAME					CONTACTOR SPST N.O. DB 500 AMP, 28 VDC		
			K-500B4B01				
SCALE	SIZE	DRAWING NO	SHEET		REV		
	A3	7-1616946-0	1		D		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[K500B4B01](#)