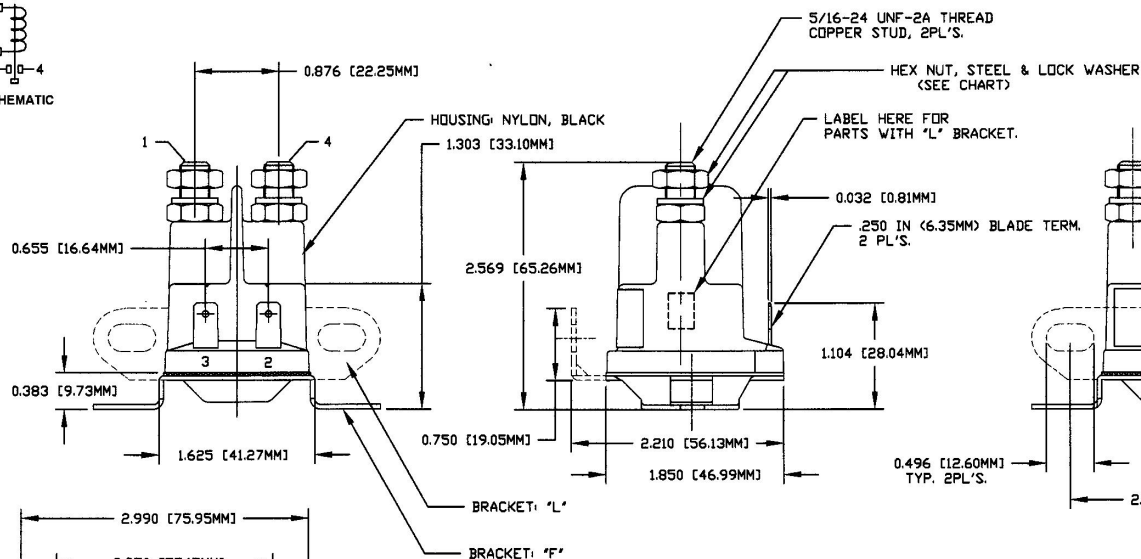


20
30
1-0-4
SCHEMATIC



NOTES:

1. ALL DIMENSIONS ARE REFERENCE.
2. ALL STEEL PARTS ZINC PLATED. HOUSING MATERIAL: NYLON, GLASS REINFORCED.
3. CONTACT MATERIAL: SEE CHART.
4. COIL RESISTANCE AT 12 VDC, 25°C: INTERMITTENT DUTY SOL: SEE CHART; CONT. DUTY SOLENOID: SEE CHART.
5. CONTACT CURRENT CARRYING CAPACITY: INTERM DUTY: 200 AMPS; CONT. DUTY: 100 AMPS. (SILVER CONTACT)
INTERMITTENT DUTY INRUSH: 300 AMPS; CONTINUOUS DUTY INRUSH: 400 AMPS.
INTERMITTENT DUTY ON AND OFF TIME: 5 SECONDS ON; 5 MINUTES OFF. MAX. ON TIME: 20 SECONDS.
LIFE CYCLE @12VDC, 25°C: 10K CYCLES; CONTINUOUS DUTY: 50K CYCLES (SILVER CONTACT).
6. BRACKET: INDIVIDUAL SOLENOID COMES WITH EITHER 'F' OR 'L' METAL BRACKET. SEE CHART.
7. HARDWARE: ALL HARDWARE COME LOOSE IN A BAG OR ASSEMBLED. SEE CHART FOR SELECTION.
8. OPERATING TEMPERATURE: -40°C TO 59°C. (-40 TO 140°F)
9. FOR EXCEPTION TO ABOVE: SEE CHART 'ADDITIONAL NOTES'.

Tolerances: Unless otherwise specifically noted, the following are default tolerances: • Solder Bridged Dimensions: $\pm .02"$ • Surface Dimensional Dimensions: $\pm .004"$ • Angular Dimensions: ± 1.5 Deg. • Metric: Refer to equivalent English Dimensional Tolerances. • NOTE: All tolerances are Non-Cumulative, unless otherwise specifically noted.	
Dimensional Data: All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters.	
3D CAD: All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters.	
Used On or Ref:	EX27922-C12
Scale:	1:1

REVISIONARY INFORMATION: This Engineering Drawing, and the information contained herein, is proprietary to Cole Hersee Company and may not be disclosed, reproduced, or in any other way transferred or communicated to any other party without the express written consent of an authorized representative of Cole Hersee Company.	
DESIGN NOTE: It is the responsibility of the individual using/replicating this drawing to ensure that the latest design revision and agree with the revision level of the Controlled Document (Master Drawing). This is a NON-CONTROLLED DOCUMENT unless otherwise specifically noted.	
3D CAD: All dimensions are expressed in inches except those shown in brackets (xxx) are expressed in millimeters.	
Drawn By:	G. AUGUSTE
Date Drawn:	08/02/03
Responsible Engineer:	G. AUGUSTE

Basic Characteristics: Critical Characteristics, relating to Safety and/or Regulatory Compliance Significant Characteristics relating to Process Control (SPC)	
Key Characteristics relating to Form - Fit - Function as defined by Cole Hersee Company and/or the Customer (Note that the identification of any Characteristics as being "Basic" does not alter the requirement that ALL specified dimensions & tolerances must be met.)	
Responsible Engineer:	G. AUGUSTE

Cole Hersee Co. 20 Old Colony Ave., North Boston, MA, 02127 Phone: 617-565-5100 Web: www.colehersee.com	
Description: SOLENOID, 12V, SPST, N.O	
Drawing Part No.	24512-CHART
Current Rev.	A

Revision Control Record			
Rev.	Description of Change	ECN No.	Date
A	NEW PART	03443	10/08/03

Cole Hersee Co.
 CHFNXXXXXX, 12VDC, XXXXX
 12VDC, 100 AMP, 50K CYCLES, 5 SECONDS ON, 5 MINUTES OFF, 2 PL'S.

DUTY CYCLE
 LABEL: SEE CHART FOR APPROPRIATE LABEL INFORMATION.