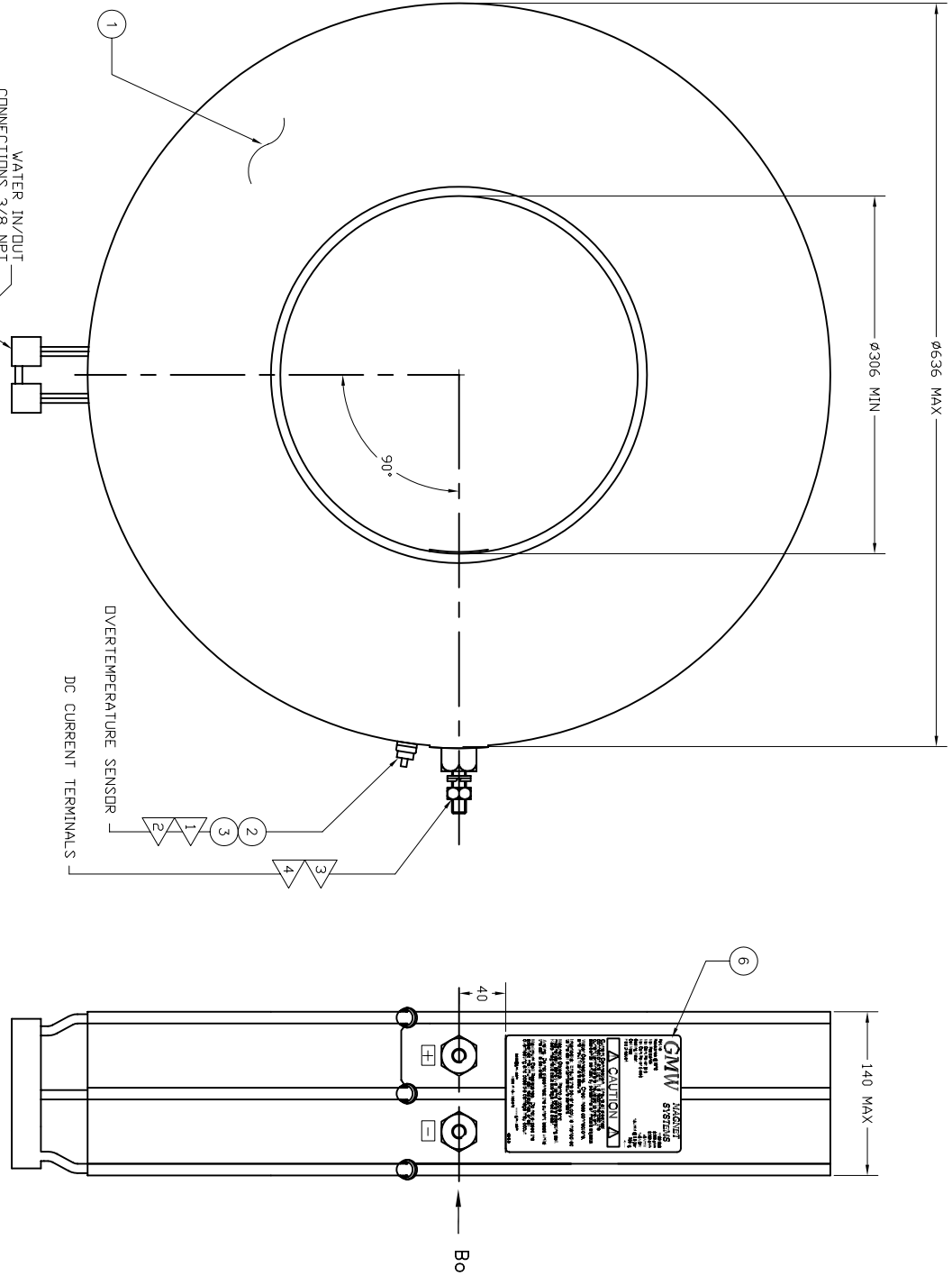


PROPRIETARY  
 THE NAME OF THE COMPANY  
 PROPRIETARY TO GMW INC. IT MUST NOT BE  
 REPRODUCED OR TRANSMITTED IN ANY FORM  
 OR BY ANY MEANS, ELECTRONIC OR MECHANICAL,  
 INCLUDING PHOTOCOPYING, RECORDING, OR BY  
 ANY INFORMATION STORAGE AND RETRIEVAL  
 SYSTEMS, WITHOUT PERMISSION IN WRITING BY  
 GMW INC.

REV	DESCRIPTION	DRAWN	DATE	APPROVED
A	RELEASE		11/03/99	G.DOUGLAS

8 7 6 5 4 3 2 1



COIL DATA

CENTRAL FIELD @ 140A 0.13T  
 TOTAL TURNS PER COIL 360  
 COIL AMPERE TURNS = 50,400  
 RESISTANCE @ 20° C 0.222 ohm (2 P/CKETS IN SERIES)  
 MAX RESISTANCE 0.262 ohm (2 P/CKETS IN SERIES)  
 MAX CONTINUOUS POWER (air) 40A/11V dc (0.44kW)  
 MAX CONTINUOUS POWER (water) 140A/37V dc (5.18kW)  
 COOLING (WATER) 15L/min @ 1 BAR (15 PSID)  
 COIL MASS 206 kg

DO NOT EXCEED THE MAXIMUM SPECIFIED COIL RESISTANCE  
 OR COIL OVERHEATING AND POSSIBLE DAMAGE MAY OCCUR.

- NOTE:
- 1> APPLY A SMALL AMOUNT OF THERMAL GREASE TO THREAD ON SENSOR BEFORE FITTING ONTO COIL.
  - 2> THE OVERTEMPERATURE SENSOR SHOULD BE INTERLOCKED TO THE COIL POWER SUPPLY. IN THE EVENT OF COOLING WATER FAILURE THE SENSOR WILL OPEN CIRCUIT SHUTTING DOWN THE COIL POWER SUPPLY.
  - 3> DURING OPERATION DANGEROUS VOLTAGES CAN BE PRESENT AT THE COIL TERMINALS. IT IS RECOMMENDED THE TERMINALS ARE COVERED TO PREVENT ACCIDENTAL CONTACT OF PERSONNEL OR METAL TOOLS WITH THE LIVE TERMINALS. A METAL TOOL DROPPED ACROSS THE LIVE TERMINALS CAN PRODUCE A DANGEROUS ARC.
  - 4> TERMINALS FASTENERS SHOWN ON DWG NO: 11801652

A B C D

8 7 6 5 4 3 2 1

ITEM	QTY	PART NUMBER	DESCRIPTION	NOTE
6	1	10907-0042-0	LABEL, SPECIFICATION-CAUTION [140 Amp]	
5	2	30182-6-8B	HOSE COUPLING, 1/2 HOSE/NPT, BRASS, PARKER	
4	2	2214P-6-6	45° STREET ELBOW 3/8 NPT, BRASS, PARKER	
3	3	3450G811-1	WASHER, NEOPRENE 16 x 4 x 4	
2	3	3450G811-1	SENSOR 50° C, ELWOOD	
1	1	11801652	COIL [140A]	

DATE	BY	DESCRIPTION
11/03/99		FROM DRAWING
		DATE

SCALE	WT kg	SHEET	OF
A1	11801653	1	1