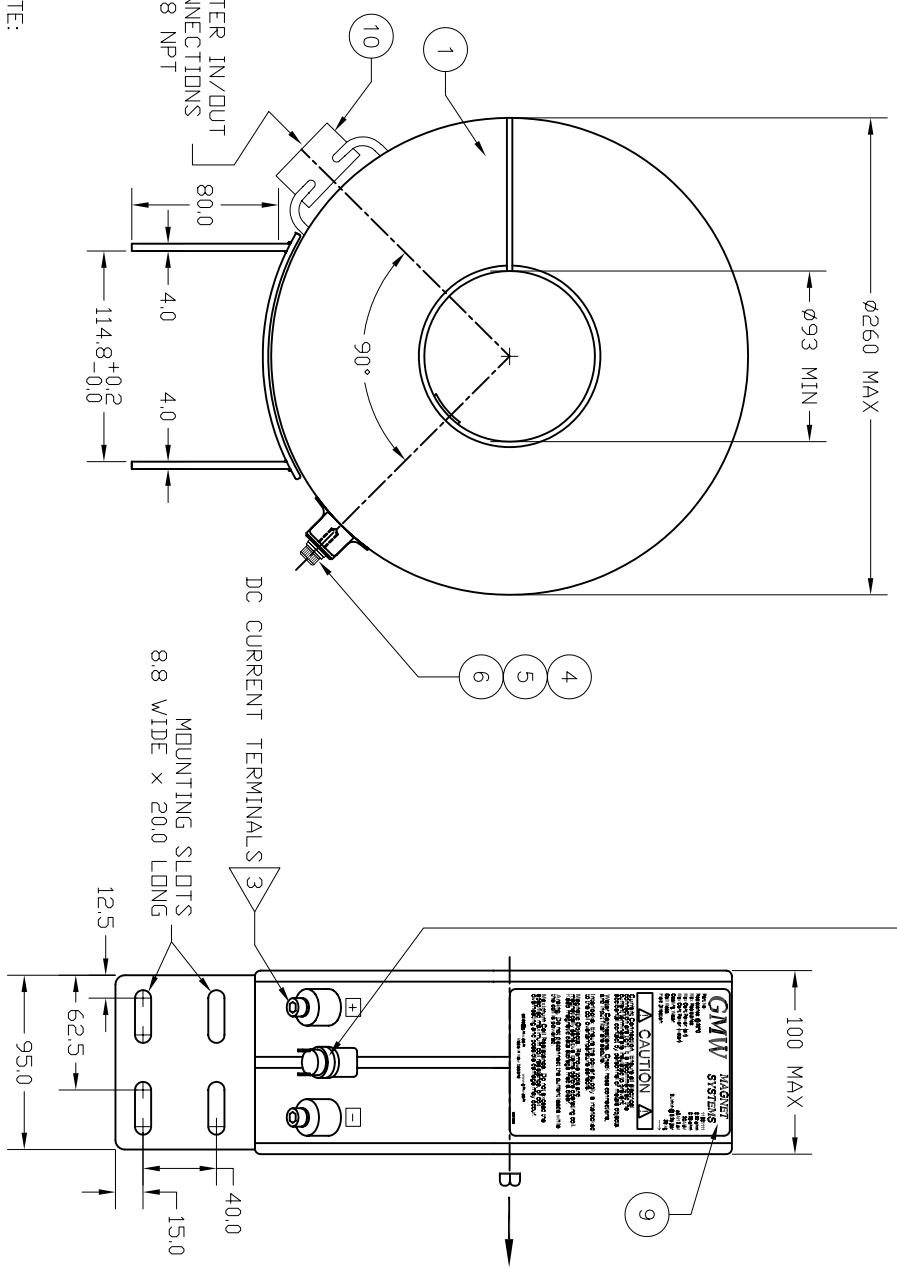


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OVERTEMPERATURE SENSOR 1 2 2 3



ITEM	QTY	PART NUMBER	DESCRIPTION	NOTE
10	1	109900840	LABEL, MANIFOLD	
9	1	10907-0037-0	LABEL, SPECIFICATION-CAUTION [50 Amp]	
8	2	30182-2-4B	HOSE COUPLING, 1/4 HOSE/NPT, BRASS, PARKER	
7	2	2214P-2-2	45° STREET ELBOW 1/8 NPT, BRASS, PARKER	
6	2	DIN 127 B	WASHER, M6 SPRING S/S	
5	2	DIN 125 A	WASHER, M6 FLAT S/S	
4	2	DIN 912	SHCS, M6 X 10, S/S	
3	1		WASHER, NEOPRENE 16 x 4 x 4	
2	1	3450611-1	SENSOR 50° C, ELMWOOD	
1	1	11901110	COIL [50 Amp]	

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

COIL DATA

CENTRAL FIELD @ 50A 0.11T
 TOTAL TURNS PER COIL 344
 COIL AMPERE TURNS = 17,200
 RESISTANCE @ 20°C 0.22 ohm (2 P/CAKES IN SERIES)
 MAX RESISTANCE 0.28 ohm (2 P/CAKES IN SERIES)
 MAX CONTINUOUS POWER (air) 20A/5V dc (0.10kW)
 MAX CONTINUOUS POWER (water) 50A/12.5V dc (0.625kW)
 COOLING (WATER) 2L/min @ 0.25 BAR (4 PSID)
 COIL MASS 30 kg

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.

REVISIONS				
REV	DESCRIPTION	DRAWN	DATE	APPROVED
A	RELEASE		09/24/07	G.DOUGLAS
B	DELETE ITEM 11, RELABEL TO ITEM 10		04/08/08	G.DOUGLAS

DRAWN	DATE	DO NOT SCALE	
G.DOUGLAS	02/28/07	FROM DRAWING	
CHECK	DATE	DIMENSIONS & TOLERANCES	
		(UNLESS OTHERWISE SPECIFIED)	
ENGINEERING	DATE	LINER	INCHES/ mm
		X.XXX	±.001
		X.XX	±.01
		X.X	±.1
		X	±.06
		DES.	F.5
		FINISH	63
		THIRD ANGLE PROJECTION	1:6
NEXT ASSY	SYSTEM	SIZE	DRAWING NO.
SOFTWARE		A2	11901111
AUTOCAD 2000		SCALE 1:2	WT kg
			SHEET 1 OF 1

COIL ASSEMBLY
 MODEL: 5403

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