

COIL CONTROL REPORT Secondary coil

Customer: TECHNISCHE UNIVERSITÄT MÜNCHEN Revision:

SIGMAPHI REFRENCE:

450921

CICMADUI DOMMINO

SIGMAPHI DRAWING: 450921-TUM-0200 rev D Serial N°: 2	UNIT	REQUIRED	Tolerance	RESULT	CONTROL	ACTION				
PO: 21-5020940-32669			Maxi Mini		Date Initial					
Me	chanica	l measuremen	nt							
External diameter	mm	301,80	Maxi 301,80	301,8	23/03/2018 A.J					
Internal diameter	mm	220,00	Mini 220,00	221,0	//					
Height of coil	mm	50,00	+1 -1	50,0	//					
E	Electric measurement									
Capacitive discharge at 480Vac	1	Pass	1	Pass	13/06/2018 A.J					
Ground Insulation resistance at 2500 Vdc in the water during 1 min between coil and mass	mA	Leackage current	1	I = 401 nA	26/03/2018 A.J					
and leakage current test		10	≤	6360	//					
Conductor to ground Insulation tightness At 2500 V dc (during 1 min.)	mA	Leackage current	1	I = 401 nA	//					
DC resistance value at 20° C	mΩ	39	42,9 35,1	41,62	07/06/2018 S.MI					
Polarity control	1	Pass	1	Pass	//					
Нус	draulica	measuremen	it							
Hydrostatic pressure test Under a pressure of 30 bars during 15 min	1	Pass	1	Pass	07/06/2018 S.MI					
Water flow value circuit N°01 Under a inlet pressure of 2 bars	I/min	0,34	≥90%	0,53	//					
Water flow value circuit N°02 Under a inlet pressure of 2 bars	I/min	0,34	≥90%	0,52	//					
	Visua	l control								
Visual control	1	Pass	1	Pass	21/03/2018 A.L.G					



COIL CONTROL REPORT Primary coil

Customer:

TECHNISCHE
UNIVERSITÄT
MÜNCHEN

Revision:

A

SIGMAPHI REFRENCE: 450911

SIGMAPHI DRAWING: 450911-TUM-0200 rev E

Serial N*: 2

PO: 21-5020940-32669

UNIT	REQUIRED	Tolerance	RESULT	CONTROL	ACTION
		Maxi		Date	
		Mini		Initial	

			Mini		Initial				
Mechanical measurement									
External diameter	mm	252,30	Maxi 252,30	252,3	26/03/2018 A.J				
Internal diameter	mm	100,00	Mini 100,00	101,2	//				
Height of coil	mm	86,00	+1 -1	85,9	//				
	Electric measurement								
Interturn test at 10V/turn	1	Pass	1	Pass	13/06/2018 A.J				
Ground Insulation resistance at 2500 Vdc in the water during 1 min between coil and mass	mA	Leackage current	1	Pass I = 4,87 nA	26/03/2018 A.J				
and leakage current test	ΜΩ	10	≤	524000	//				
Conductor to ground Insulation tightness At 2500 V dc (during 1 min.)	mA	Leackage current	1	Pass I = 4,87 nA	//				
DC resistance value at 20° C	mΩ	91	100,1 81,9	97,62	07/06/2018 S.MI				
Polarity control	1	Pass	1	Pass	//				
Hydraulical measurement									
Hydrostatic pressure test Under a pressure of 30 bars during 15 min	1	Pass	1	Pass	07/06/2018 S.MI				
Water flow value circuit N°01 Under a inlet pressure of 2 bars	I/min	0,57	≥90%	0,65	//				
Water flow value circuit N°02 Under a inlet pressure of 2 bars	l/min	0,29	≥90%	0,38	//				
Water flow value circuit N°03 Under a inlet pressure of 2 bars	I/min	0,29	≥90%	0,38	//				
Water flow value circuit N°04 Under a inlet pressure of 2 bars	I/min	0,29	≥90%	0,38	//				
Visual control									



