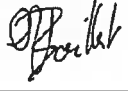



Test Report issued under the responsibility of:



Electrosuisse  
Product Testing

<b>TEST REPORT</b> <b>IEC 60335-2-41</b> <b>Safety of household and similar electrical appliances</b> <b>Part-2-41: Particular requirements for pumps</b>	
Report reference No.....:	17-HG-0360.S01
Date of issue .....	2019-03-28
Total number of pages .....	93
Name of Testing Laboratory preparing the Report.....:	Eurofins Electrosuisse Product Testing AG Luppenstrasse 3, 8320 Fehraltorf SWITZERLAND
Applicant's name.....:	Mariner 3S AG
Address .....	Brunnmattstrasse 7, 5236 Remigen SWITZERLAND
<b>Test specification:</b>	
Standard .....	IEC 60335-2-41:2012 (Fourth Edition) in conjunction with IEC 60335-1:2010 (Fifth Edition) incl. Corr. 1:2010 and Corr. 2:2011 + A1:2013
Test procedure .....	Type testing for CoC Declaration
Non-standard test method.....:	N/A
Test Report Form No.....:	IEC60335_2_41K
Test Report Form(s) Originator .....	VDE Testing and Certification Institute
Master TRF.....:	Dated 2015-07
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<b>General disclaimer:</b>	
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<b>Test item description</b> .....	Swimming pool robot	
Trade Mark .....	mariner 3S	
Manufacturer .....	Mariner 3S AG Brunnmattstrasse 7, 5236 Remigen SWITZERLAND	
Model/Type reference .....	mariner 3S proliner navi3 (additional type see appendix type list)	
Ratings .....	Trolley: 100-240 V, 6-4 A, 50/60 Hz, IP54, Class I Robot: 24 VDC, 16 A, IP68, Class III (additional ratings see appendix type list)	
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input checked="" type="checkbox"/> <b>CB Testing Laboratory:</b>	Eurofins Electrosuisse Product Testing AG	
Testing location/ address :	Luppenstrasse 3, 8320 Fehraltorf SWITZERLAND	
<input type="checkbox"/> <b>Associated CB Testing Laboratory:</b>		
Testing location/ address .....		
Tested by (name, function, signature)..... :	Vincent Boillat Test Engineer	
Approved by (name, function, signature) .....	Stefan Glaus Test Engineer	
<b>Testing procedure: CTF Stage 1:</b>		
<input type="checkbox"/> Testing procedure: CTF Stage 1:	N/A	
Testing location/ address .....	N/A	
Tested by (name, function, signature)..... :	N/A	
Approved by (name, function, signature) .....	N/A	
<b>Testing procedure: CTF Stage 2:</b>		
<input type="checkbox"/> Testing procedure: CTF Stage 2:	N/A	
Testing location/ address .....	N/A	
Tested by (name + signature) .....	N/A	
Witnessed by (name, function, signature)..... :	N/A	
Approved by (name, function, signature) .....	N/A	
<b>Testing procedure: CTF Stage 3:</b>		
<input type="checkbox"/> Testing procedure: CTF Stage 3:	N/A	

**List of Attachments (including a total number of pages in each attachment):**

- Appendix photos (32 pages)
- Appendix components (3 pages)
- Appendix type list (1 page)
- Appendix test equipment (2 pages)

**Summary of testing:**

Appliance complies with this standard.

**Electromagnetic field (EMF):**

Appliance also complies with IEC 62233:2005 mod. which is identical with EN 62233:2008.  
Test results are documented in the attachment EU GD.

**Tests performed (name of test and test clause):**

Complete tests performed

**Testing location:**

Eurofins Electrosuisse Product Testing AG  
Luppenstrasse 3, 8320 Fehraltorf  
SWITZERLAND  
(SAS accreditation no. STS 0001)

**Summary of compliance with National Differences:**

List of countries addressed:




The product fulfils the requirements of group differences CENELEC:  
EN 60335-2-41:2003 + A1:2004 + A2:2010  
EN 60335-1:2012 + A11:2014+ A13:2017  
EN 62233:2008

**Copy of marking plate:**





The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

For reference only

Marking plate trolley

<b>mariner</b>  proliner		<b>PP01 - 119688</b>	
100 - 240 V	RM	60743	CE 
50 / 60 Hz   6 - 4 A	Date	20.01.2017	
SEC 24 VDC 16 A	IP	54	
<b>mariner</b>  AG		Mariner 3S AG Brunnmattstrasse 7, CH-5236 Remigen Swiss Made	

Marking plate roboter

<b>mariner</b>  proliner		<b>PP01 - 119688</b>	
SEC 24 VDC 16 A	RM	60743	class 
	Date	20.01.2017	CE 
	IP	68 $\nabla$ 7m	
<b>mariner</b>  AG		Mariner 3S AG Brunnmattstrasse 7, CH-5236 Remigen Swiss Made	

Date of issue (initials): 2019-03-28 (VBo)

Test item description: Swimming pool robot  
 Applicant's name: Mariner 3S AG, Brunnmattstrasse 7, 5236 Remigen  
 SWITZERLAND

Pos.	Trade mark	Type	Ratings	Equal to	Differences	Safety test report No.	EMC test report No.	Radio test report No.
1	mariner 3S	mariner 3S proliner	100-240 V 6-4 A 50/60 Hz	-	Option for compressor No brushes	17-HG-0360.S01	17-HG-0360.E01	17-HG-0360.R01 17-HG-0360.R02
2	mariner 3S	mariner 3S proliner PLUS	100-240 V 6-4 A 50/60 Hz	1	Option for compressor No brushes	17-HG-0360.S01	17-HG-0360.E01	17-HG-0360.R01 17-HG-0360.R02
3	mariner 3S	mariner 3S proliner navi3	100-240 V 6-4 A 50/60 Hz	1	Compressor and brushes EMC and Safety tested type	17-HG-0360.S01	17-HG-0360.E01	17-HG-0360.R01 17-HG-0360.R02