

DEKLARACJA ZGODNOŚCI WE

Firma: **URMET DOMUS S.p.A**
Communication and Security
Via Bologna 188/C
10154 TORINO – Italy

Deklarujemy z całą odpowiedzialnością, że przedstawiony
poniżej produkt:

Nr ref. 1332/86 **Filtr sieciowy 230Vac 4000VA**

Którego zgodność z normami została potwierdzona w oparciu o normy:
(numer, data wydania dokumentów normatywnych)

EN 133200 (1999) Filtry biernie do tłumienia zakłóceń elektromagnetycznych (filtry, dla
których wymagane są badania dotyczące bezpieczeństwa). Spec. grupowa.

jest zgodny z dokumentacją techniczną wymienioną na rewersie deklaracji:

73-23 EEC Dyrektywa kompatybilność elektromagnetyczna

zmodfikowana przez 93-68 EEC

na podstawie raportu

SEMKO Certificate n°0224164-01 dn. 05/19/2002
SEMKO AB
Torshamnsgatan 43
Box 1103
S-164 22 KISTA, SVEZIA

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Turin, 18/11/2002
(miejsce i data)



Janusz B. Michalak
Prezds Zarządu

URMET DOMUS S.p.A
DIREZIONE TECNICA
(ing. Giorgio Minarelli)

(nazwa firmy, pieczęćka i podpis osoby upoważnionej)

STATEMENT OF CONFORMITY

Ref.No. SE 0224164-01

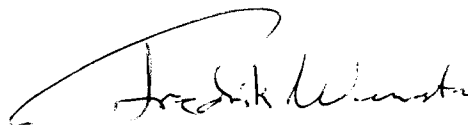
Product:	Filter for radio interference suppression
Tested by request of:	URMET DOMUS S.p.A Via Bologna 188/C CAP 10154 Turin, ITALY
Manufactured at:	COGEMA s.r.l. Via Verga 4/A 22046 Merone (Como), ITALY
Rating and principal characteristics:	3x0,1uF X2 + 2x4700pF Y2 + 4x0,4mH + 0,68Mohm. 20A. AC250V.
Trade mark (if any):	
Model/Type Ref:	1332/86
Additional information (if any):	Capacitors included: X2 Arcotronics type MKT 1.40 Y2 Murata type KH Replaces earlier issued dated 3 Sep.-02 due to corrected type ref
A sample of the product has been tested and found to be in conformity with	EN 133200:1999
As shown in the Test Report (ref.no.):	0224164-01

Stockholm

SEMKO AB

Date: 5 September 2002

Internal ref: SUL



TEST REPORT
EN 133 200
Passive Filters Units for
Electromagnetic Interference Suppression

Report

Report reference No. : 0224164-01
Tested by (+ signature) : Susanne Lundgren
Approved by (+ signature) : Torbjörn Andersson
Date of issue : 2002-09-03
Contents : 8 pages

Susanne Lundgren
Torbjörn Andersson

This report is based on a blank test report that was prepared by FIMKO using information obtained from the TRF originator (see below)

Testing laboratory

Name : SEMKO AB
Address : P.O. Box 1103, S-164 22 KISTA, SWEDEN
Testing location : as above

Client

Name : URMET DOMUS SPA
Address : Via Bologna 188/C IT-10154 Torino ITALY

Test specification

Standard : EN 133 200:1999
Test procedure : STC
Procedure deviation : N.A.
Non-standard test method : N.A.


Test Report Form

Test Report Form No. : 6133200A/99-08
TRF originator : SEMKO
Master TRF : dated 96-04

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Test item

Description : Filter unit for radio interference suppression

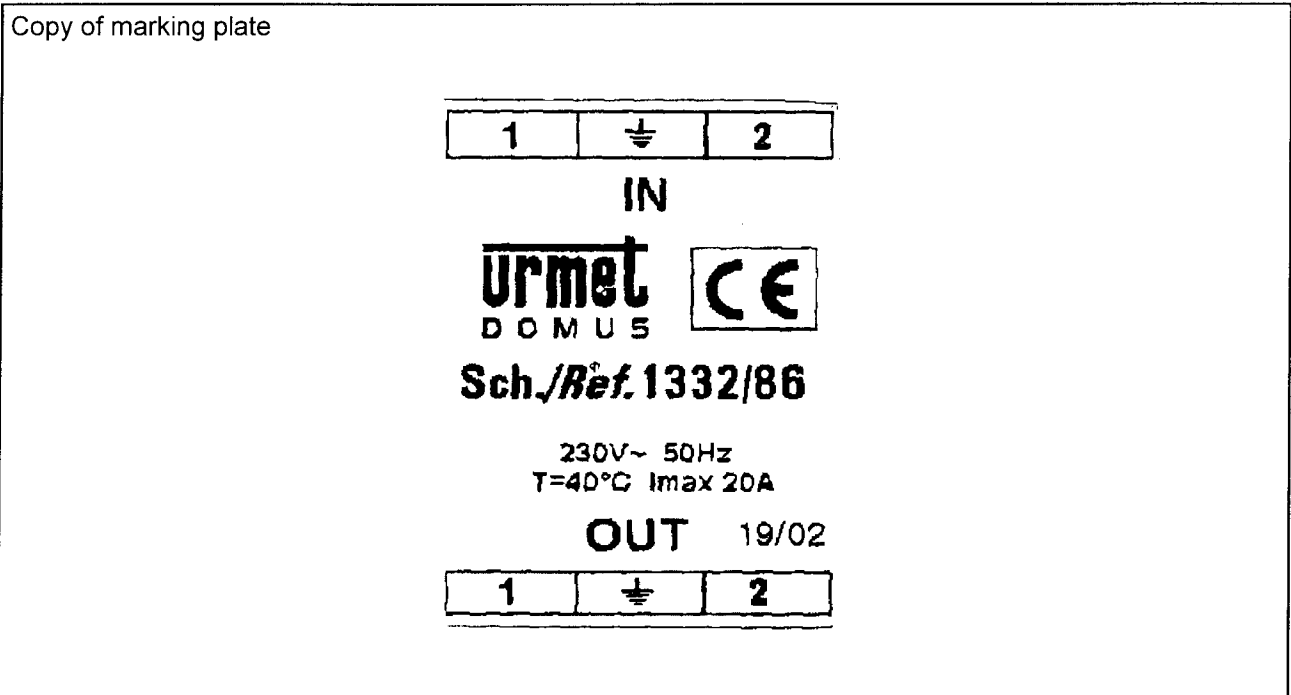
Trademark : 

Model and/or type reference : 1332/86

Manufacturer : COGEMA S.R.L.

Rating(s) : 3x0,1µF (X2) + 2x4,7µF (Y2) + 4x0,4mH + 0,68MΩ. 20A. AC 250V.

Test case verdicts Test case does not apply to the test object : N(.A.) Test item does meet the requirement: P(ass) Test item does not meet the requirement ...: F(ail)
Testing Date of receipt of test item: 2002-06-04 Date(s) of performance of test: 2002-06-24 - 2002-08-06
General remarks This report shall not be reproduced except in full without the written approval of the testing laboratory. The test results presented in this report relate only to the item tested. "(see remark #)" refers to a remark appended to the report. "(see Annex #)" refers to an annex appended to the report. Throughout this report a comma is used as the decimal separator.



EN 133 200

Clause	Requirement – Test	Result	Verdict
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1	GENERAL		
1.5	Marking:		
1.5.1	a) manufacturer's name or trademark	Urmet Domus	P
	b) type		P
	c) recognized approval mark		N
	d) rated voltage	230V~	P
	e) Identification of terminations / circuit diagram ...		P
	f) rated current	20A	P
	g) rated temperature	40	P
	h) climatic category		N
	j) year and month (or week) of manufacture	02-19	P
	k) reference		N
1.5.2	Filter marked with a-e		P
1.5.3	Package markings		P
1.5.4	Additional marking		N

3	QUALITY ASSESSMENT PROCEDURES		
3.4.1	Table 2		P

	TEST FOR GROUP 0		
4.1	Visual examination:		P
4.2	Voltage proof :		P
4.3	Insulation resistance at 100 V:		P
4.4	D.C Line resistance:		P
4.5	Insertion loss		P
	- rated current (A)	20	—
	- test temperature (°C)	23	—

EN 133 200					
Clause	Requirement – Test			Result	Verdict
4.5	Initial measurements: Insertion loss; no load; CISPR 17; @50Ω				—
Symmetrical mode: Attenuation (dB)					
	1MHz	3MHz	75MHz	150MHz	
01	42,4	71,7	31,6	10,9	
02	42,7	72,9	30,8	11	
03	N	N	N	N	
04	N	N	N	N	
05	43,7	73	30,7	10,7	
06	43,8	72,3	30,2	10,6	
07	N	N	N	N	
08	N	N	N	N	
09	46,5	74,9	31	12,7	
10	46,7	76,7	31,2	12,4	
11	N	N	N	N	
12	N	N	N	N	
Asymmetrical mode: Attenuation (dB)					
	1MHz	3MHz	75MHz	150MHz	
01	46,4	75,7	31,9	12,2	
02	46,5	75,5	30,4	12,5	
03	N	N	N	N	
04	N	N	N	N	
05	46,4	74,8	31,2	12,9	
06	46,8	75,4	31,3	13	
07	N	N	N	N	
08	N	N	N	N	
09	42,2	72,6	31	11	
10	42,6	72,8	31,7	10,9	
11	N	N	N	N	
12	N	N	N	N	

EN 133 200			
Clause	Requirement – Test	Result	Verdict

	D.C. Line resistance		test A		test B or C	
	L (mΩ)	N (mΩ)	U (V d.c.)	R (MΩ)	U (V a.c.)	R (MΩ)
01	13	13	1075	N	1500	> 20000
02	13,5	13,8	1075	N	1500	> 20000
03	N	N	N	N	N	N
04	N	N	N	N	N	N
05	13,86	14,6	1075	N	1500	> 20000
06	12,6	13,6	1075	N	1500	> 20000
07	N	N	N	N	N	N
08	N	N	N	N	N	N
09	12,8	13,2	1075	N	1500	> 20000
10	12,3	12,5	1075	N	1500	> 20000
11	N	N	N	N	N	N
12	N	N	N	N	N	N

TEST FOR GROUP 1A			
4.1	Visual examination and check of dimensions		
4.1.1	Creepage distances and clearances between:		
	- live parts of different polarity; measured minimum distance (mm)	> 3	P
	- live parts and other metal parts over basic insulation; measured minimum distance (mm) ...	> 4	P
	- live parts and other metal parts over reinforced insulation; measured minimum distance (mm) ...		N
4.7	Robustness of terminations:		
	- test Ua1 - tensile, wire terminations: wire diameter (mm); wire cross-sectional area (mm ²); force (N)		N
	- test Ua1 - tensile, other than wire terminations, force 20 N		P
	- test Ub - bending (2 x 90° bends)		N
	- test Uc - bending (2 x 180° rotations in opposite direction)		N
	- test Ud - torque: screw diameter (mm); torque (Nm)		N
Not in std	Tests on connecting leads		N
Not in std	Thickness of insulation:		N
Not in std	Voltage proof test on leads		N
	Tab terminals in accordance with IEC 61210		N
	- visual inspection		P

EN 133 200			
Clause	Requirement – Test	Result	Verdict
4.8	Resistance to soldering heat:		N
	- method		
	- test temperature (°C); rate (/s)		—
4.1	Visual inspection		P
	Marking legible		P
4.2	Voltage proof :		P
4.3	Insulation resistance at 100 V:		P
4.4	D.C. Line resistance:		P
4.5	Insertion loss		P
	- test temperature (°C)	23	—
	- rated current (A)	20	—

4.5	Final measurements: Insertion loss; no load; CISPR 17; @50Ω				—
Symmetrical mode: Attenuation (dB)					
	1MHz	3MHz	75MHz	150MHz	
01	42,4	71,7	31,6	10,9	
02	42,7	72,9	30,8	11	
03	N	N	N	N	
04	N	N	N	N	
Asymmetrical mode: Attenuation (dB)					
	1MHz	3Hz	75MHz	150MHz	
01	46,4	75,7	31,9	12,2	
02	46,5	75,5	30,4	12,5	
03	N	N	N	N	
04	N	N	N	N	

	test A		test B or C		D.C. Line resistance	
	U (V d.c.)	R (MΩ)	U (V a.c.)	R (MΩ)	L (mΩ)	N (mΩ)
01	710	N	990	> 20000	12,8	12,7
02	710	N	990	> 20000	13,2	13,6
03	N	N	N	N	N	N
04	N	N	N	N	N	N

EN 133 200

Clause	Requirement – Test	Result	Verdict
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TEST FOR GROUP 2				
4.16	Damp heat, steady state:			P
	- test Ca: duration (days); beginning; end	21; 2002-07-10; 2002-07-31		—
	Final inspection:			P
4.1	Visual inspection			P
	Marking legible			P
4.2	Voltage proof :			P
4.3	Insulation resistance at 100 V:			P
4.4	D.C. Line resistance:			P
4.5	Insertion loss:			P
	- test temperature (°C)	23		—
	- rated current (A)	20		—
4.5	Final measurements: Insertion loss; no load; CISPR 17; @50Ω			—
Symmetrical mode: Attenuation (dB)				
	1MHz	3MHz	75MHz	150MHz
05	49,2	79	31,1	11,4
06	42,6	78	29,5	11
07	N	N	N	N
08	N	N	N	N
Asymmetrical mode: Attenuation (dB)				
	1MHz	3MHz	75MHz	150MHz
05	44,9	80,6	31,2	13,3
06	44,3	79,9	29,7	12,9
07	N	N	N	N
08	N	N	N	N

	test A		test B or C		D.C. Line resistance	
	U (V d.c.)	R (MΩ)	U (V a.c.)	R (MΩ)	L (mΩ)	N (mΩ)
05	710	N	990	> 20000	13,9	14,7
06	710	N	990	> 20000	12,9	13,2
07	N	N	N	N	N	N
08	N	N	N	N	N	N

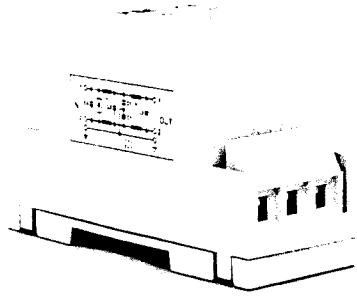
EN 133 200

Clause	Requirement – Test	Result	Verdict
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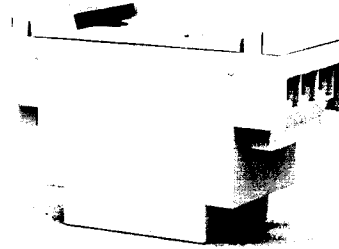
TEST FOR GROUP 3A			
4.17	Temperature rise:		P
	- rated current (A)	20	—
	- rated temperature (°C)	40	—
	Temperature rise of inductor (°C)	< 85 (50)	P
	Temperature rise of X-capacitor (°C)	< 60 (49)	P
	Temperature rise of Y-capacitors (°C)	< 85 (49)	N
	Temperature rise of resistor (°C)		N
	Temperature rise of case (°C)	< 45 (20)	P

TEST FOR GROUP 3B AND 3C			
4.18-4.19	Impulse voltage and endurance:	Not performed since the capacitors included are separately tested according to EN 132 400	—
	Separate approved X capacitors included	Arcotronics type MKT 1.40	—
	Separate approved Y capacitors included	Murata type KH	—
	Separate approved VDR included		—
	Separate approved terminal included	Type serie 67 according to standard EN 60998	—

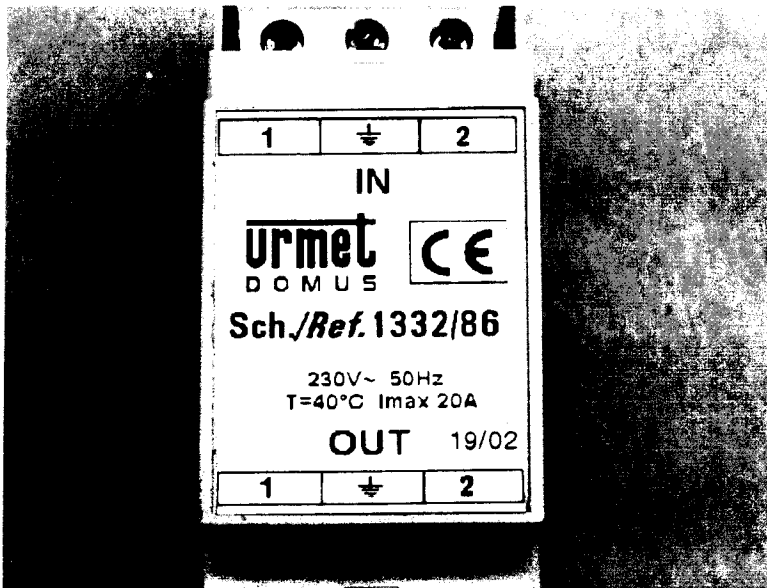
TEST FOR GROUP 7			
4.21	Passive flammability test :		N



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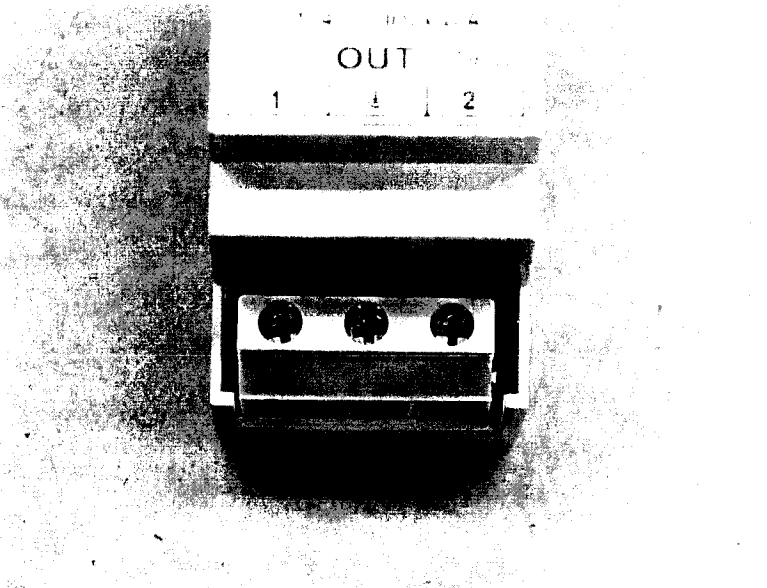
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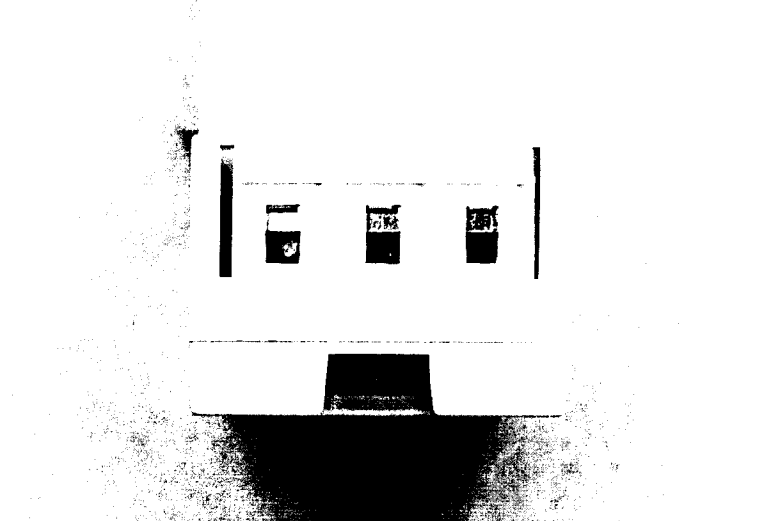
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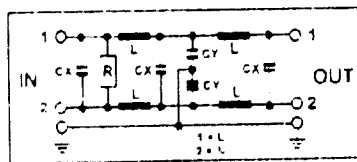
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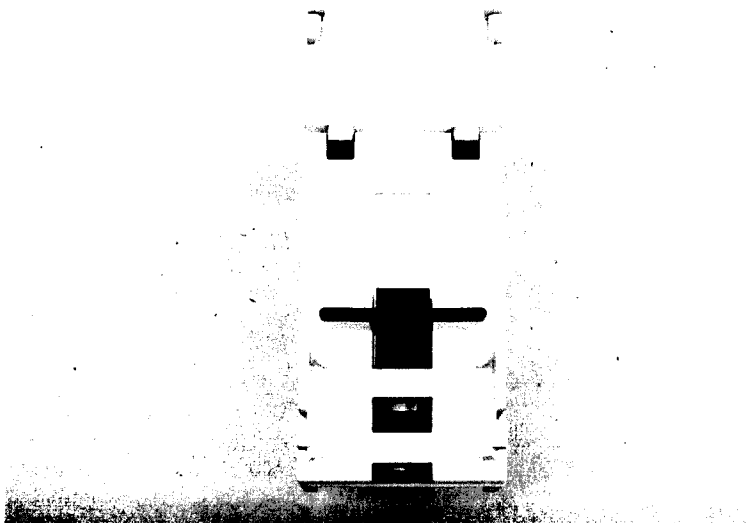
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