PRODUCT SPECIFICATION

108-18025-1
Standard Power Timer Contact

Table of Contents **Page**

Figures:

				DR Bleicher Monika 19.03.98	AMP	AMP DEUTSCHLAND GmbH Langen b FfM	
				CHK Bleicher Martin 20.03.98	LOC AI	A4	NO 108-18025-1 REV G
				APP Kunzel Dietmar 26.3.98	SHEET 1 OF 32		NAME Standard Power Timer
G	German Version translated	Bleicher	03 / 98				
LTR	REVISION RECORD	APP	DATE				

DIST

3-1-98

1. INTRODUCTION

1.1 Content

This specification describes the design, the characteristics, the versions, the test and the quality requirements of the Standard Power Timer contacts.

1.2 Product Numbers

The various versions of the contact systems are shown in the table of the product numbers (Table 2).

2. APPLICABLE DOCUMENTS

The following documents from a part of this specified herein. In the case of a conflict between this specification and the specified documents, this specification has priority. The original German language version, 108-18025-0, has priority over this version.

2.1 AMP Specifications

A. AMP Spec. 114-18037 Application specification for the Standard Power Timer contact.
B. AMP Spec. 108-18279 Product specification: Test tabs for the Timer contacts

2.2 Other Standards

A.	DIN 1 777/01.86	Dimensions and permissible deviations
B.	DIN 17 224/02.82	Spring wire and spring made of stainless steel
C.	DIN 17 666/12.83	Low-alloy cooper alloys
D.	DIN 17 670/06.69	Strips and plates made of cooper and wrought cooper alloys Part 1/12.83 : Characteristics Part 2/06.69 : Technical conditions of delivery
E.	DIN IEC 512/5.94	Measuring methods and testing procedures for electromechanical components
F.	DIN 40 046	Environmental testing for electronics
G.	DIN EN 60352	Part 2 : Solderless connections
H.	DIN 41 639/03.76	Part 1 : (IEC 50 Part 581) Electromechanical components
I.	DIN 50 015/08.75	Climates and their technical applications; constant test climates
J.	DIN 50 017/10.82	Test climates containing condensed water
K.	DIN 72 551/01.92	Part 6: Low-voltage
L.	DIN ISO 6722/02.93	Part 3: Electrical wires
M.	DIN/IEC 68	Basic environmental testing procedures Part 2-11 / 08.82 : Salt fog Part 2-14 / 06.87 : Temperature changing Part 2-30 / 09.86 : Moist heat, cyclical Part 2-52 / 08.85 : Salt fog, cyclical
N.	IEC Regulations	

3. DESCRIPTION

3.1 Design and Construction (Fig. 2)

The design and dimensions of the Standard Power Timer contact are shown in the product drawings and are inspected in accordance with the AMP Quality Guidelines.
The Standard Power Timer contact is a flat contact with four independent contact springs and a steel cantilever spring which reinforces the contact force. Two locking lances which lock the contact in is chamber are provided on this cantilever spring. The cantilever spring provides long-term mechanical and electrical stability. A short and wide connection between the crimp an the contact body, together with large-area contact points, ensures a low contact resistance.
Are the chambers of the Standard Power Timer in the housing from one to the next row shift by the half grip, is it possible to use crimp contacts in a grip of 5,5 x 8,0mm.
By parallel direction the min. grip is 6,0 x 8,0mm. For single wire versions the minimum grip is 7,5 x 8,5mm (parallel) and 8,0 x 8,5mm(shifted)
Mating parts are tabs or tab headers with the dimensions 6,3 x 0,8 mm, 5,8 x 0,8mm and 4,8 x 0,8mm.
The tab tip should be shaped like that of the tab specified in DIN 46244. Privileged should be tabs with radius on both sides, like the specified test-tabs descried, in 4.3.2.

3.2 Materials

A.	Basic material :	- wrought cooper alloy to AMP specifications.
B.	Contact Plating :	- tin and heat-treated tin
		- silver
		- gold on nickel at the contact area, tin elsewhere
C.	Cantilever Spring:	- stainless steel
		- stainless steel, gold plated

4. REQUIREMENTS

4.1 General Conditions

All tests executed with the contact system must comply with the inspection plan in this specification.
- Wire cross section: see Table 2
- Storage temperature: -40°C to 130°C
- Wires: FLR to DIN 72 551 Part6; FLK to DIN ISO 6722 Part3
- Crimp with specified AMP crimping tools
- Crimp-Quality to AMP Specifications
- Maximum permissible voltage to IEC 664 / IEC 664A (DIN VDE 0110)
- Necessary mating parts should be made of low alloy wrought cooper alloys.
- The plating and, if applicable, the wire size of the mating part should be identical with those of the contact being tested. Contacts with heat treated tin surfaces may be combined only with Contacts with a mating part with a tin plating which has not been heat treated.
- The housings used must comply with AMP Specifications.
- The test parts must have no visible damages
- The test parts must be in accordance to the current Rev. of the drawing.
- For the tests are only parts out of series allowed.
- For all tests a statistical sufficient quantity of parts is required.

4.2 Rating

Current carrying capacity	max. 40 A see 4.3.1
Minimum transfer current signal (depending on the circuit in question)	Values: mA-Range for tin, silver and gold plated Contacts
Maximum mating cycles	10 for tin-plated contacts 50 for silver-plated contacts 100 for gold-plated contacts
Temperature range	-40°C to 130°C for tin-plated contacts -40°C to 140°C for silver-plated contacts -40°C to 150°C for gold-plated contacts

4.3 Test Requirements and Procedure Summary

4.3.1 ELECTRICAL REQUIREMENTS

TEST DESCRIPTION	REQUIREMENTS	PROCEDURE
Contact resistance	$R_k \leq 2$ m Ω	**Test Conditions** No-load voltage ≤ 20 mV Test current < 100 mA The contact resistance in new conditions is measured in accordance with IEC 512-2 Test 2a / DIN 41 640 Part4 (see Fig. 1)
Crimp resistance	See Table 1	The crimp resistance is measured on contacts terminated with AMP crimp tools in accordance with AMP Spec.114-18037. Tests to DIN IEC 352 Part2 /IEC 512-2 Test 2a (see Fig. 1)
Current carrying capacity	max. 40 A see diagram 2	Contact in free air (spacing 50mm), wire size 4,0 mm^2, at room temperature. Test to IEC 512-3/DIN 41 640 Part3
Current ratings depending as a function of the ambient temperature	see diagram 3	Contacts in housing. Test to IEC 512-3/DIN 41 640 Part3

4.3.2	MECHANICAL REQUIREMENTS	
TEST DESCRIPTION	**REQUIREMENTS**	**PROCEDURE**
Mating force	5 N ≤ F_S ≤ 15 N (for all surfaces)	Measure mating and unmating forces with the test tab PN 965 850-1 (Product specification 108-18279) without additional lubrication. Measure at a rate of 25mm/min according to DIN 41 640 Part 36.
Unmating force	2 N ≤ F_Z ≤ 7 N (for all surfaces)	
Crimp extraction force	see Table 1	Measure the extraction force at a rate of 25 mm/min. in accordance to DIN IEC 352 Part2.
Dynamical - mechanical load (sine-shaped)	no mechanical damage no contact interuptions t > 1 µs	deviation: d = 0,75 mm, (10-55) Hz, acceleration: a = 10g, (55-500)Hz, duration: 16 h per space axie, v_{log} = 1 okt/min. measured in in the housing
Contact retention force in the housing	Contact retention force in the cavity without second contact retention. F_1 > 120 N	Measure the retention forces at a rate of 25 mm/min. Execute the test in a steel chamber. Contact retention force in plastic housing: see housing specification.

4.3.3	ENVIRONMENTALS	
TEST DESCRIPTION	**REQUIREMENTS**	**PROCEDURE**
Electrical stress test	At the end of the entire test, the total contact resistance (contact + crimp resistance) shall not be more than 300% for tin plated contacts 200% for silver plated contacts 100% for gold plated contacts higher than the initial value.	**Condition and sequence of the test:** see 4.4 Temperature: -40°C to 80°C per 6h; see diagram 1 Current during the warm phase: see derating curve at 80°C ambient temperature (see diagram 3)
Salt fog in changing climates	At the end of the entire test, the total contact resistance of tin plated contacts shall not be more than 200% higher than the initial value. At the end of the entire test, the total contact resistance of contacts plated with noble metals shall not be more than 100% higher than the initial value.	**Condition of testing** Samples installed in a complete housing. Measure in mated condition with housings snapped in. **Sequence of testing** see 4.4
Environmental simulation	The contact resistance of tin plated contacts shall not be more than 400% higher than the initial value. The contact resistance of contacts plated with noble metals shall not be more than 150% higher than the initial value.	**Condition of testing** Samples installed in complete housing . Measure in mated state with housings snapped in. **Sequence of testing** see 4.4
Dynamical -mechanical load		The test must be done specific for each housing. **Sequence of testing** according to DIN IEC 68 Part2-6

DIST

AMP DEUTSCHLAND GmbH
Langen b. FfM

LOC		NO	REV
AI	A4	108-18025-1	G

NAME

Standard Power Timer

4.4 Sequence of the performed tests

TEST OR EXAMINATION	Test Sequence		
	Test Group Electrical Stress	Test Group Salt fog in changing climates	Test Group Environment simulation
Visual inspection	1.| 9.|	1.| 5.|	1. | 13.|
Contact resistance to IEC 512-2 / DIN 41 640 Part4	2.| 4.| 6.| 8.|	2.| 4.|	2.| 4.| 6.| 8.|10.| 12.|
Thermal shock to IEC 68 Part2-14 Na Duration: 10cycles / temperature: -40 to 120°C , per 15min.			3.|
Temperature cycling to IEC 68 Part2-14 Nb Duration: 20 cycles / Temperature: -40 to 100°C , per 6h			5.|
Salt fog with changing climates to IEC 68 Part2-52 Test condition: 1 / Duration: 1 cycle		3.|	
Industrial mixed flowing gas (0,2 ppm SO_2, 0,01 ppm H_2S, 0,2 ppm NO_2, 0,01 ppm Cl_2/ 25°C / 75% / 21 d) Rate of flow 1 m^3/h			9.|
Humidity temperature cycling to IEC 68 Part2-30 Duration 10cycles / max. temperature 55°C	5.|		11.|
Storage in dry heat to IEC 68 Part2-2 Bb Duration: 120h / Temperature: 120°C			7.|
Temperature- / current changing test 60cycles (1 cycle - 40°C to 80°C per 6h; see diagram)	3.| 7.|		

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SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
7 OF 32	LOC AI	A4	NO 108-18025-1	REV G
NAME Standard Power Timer				

Crimp extraction forces and crimp resistance		
Test description	Wire range [mm^2]	Test data
Crimp extraction force	0,2	> 30 N
	0,35	> 50 N
	0,5	> 60 N
	1,0	> 100 N
	1,5	> 150 N
	2,5	> 200 N
	4,0	> 250 N
	6,0	> 300 N
Crimp resistance	0,2 to 0,5	< 1 mΩ
	0,5 to 1,0	< 0,8 mΩ
	> 1,0 to 6,0	< 0,5 mΩ

Table 1

DIST

Table 2: PRODUCT OVERVIEW	Standard Power Timer Contact

DESCRIPTION STANDARD POWER TIMER CONTACT	WIRE-TYPE	WIRE-RANGE [mm²]	ISOLU-SATION-RANGE [mm]	PART-NO. STRIP	PART-NO. LOOSE-PIECE	PART-NO. VARIANTS	PART-NO. HAND CRIMP-TOOL NR.169 400	APPLICATOR NO.	SEALING NO.
WITH CRIMP FOR WIRE	FLK	0,2 - 0,5	1,15 - 2,3	927839	928 989	-1/ -2/ -3/ -4/ -5	734 249-0	878 426-2	
	FLK	0,5 - 1,0	2,0 - 2,17	927 827	927 828	-1/ -2	734 249-0	878 329-0	
	FLK	>1,0 - 2,5	2,7 - 4,1	927 833	927 834	-1/ -2/ -5	734 249-0	878 367-2	
	FLK	>2,5 - 4,0	3,3 - 4,5	927 824	927 825	-1/ -2	734 250-0	2-878 314-2	
	FLK	>4,0 - 6,0	3,8 - 5,2	963 709	963 714	-1/ -2/ -3/ -4/ -5	-	-	
	FLR	0,2 - 0,5	1,0 - 1,6	927 840	928 990	-1/ -2/ -3/ -4/ -5/ -7	-	878 427-2	
	FLR	0,5 - 1,0	1,4 - 2,3	927 831	927 832	-1/ -2/ -3/ -4/ -5 / -7	734 251-0	878 328-2	
	FLR	>1,0 - 2,5	2,1 - 3,1	927 837	927 838	-1/ -2/ -3/ -4/ -5/ -7	734 251-0	878 356-2	
	FLR	>2,5 - 4,0	2,6 - 3,7	927 829	927 830	-1/ -2/ -5	734 251-0	2-878 384-2	
	FLR	4,0 - 6,0	3,8 - 5,2	963 709	963 714	-1/ -2/ -3/ -4/ -5	-	-	
WITH CRIMP FOR SINGLE-WIRE-SEALING Lenght: 20mm	FLK	0,19 - 0,38	1,4 - 2,1	927 826	929 921	-1/ -2/ -7/ 1-2/ 2-2	-	878 425-1	962 243
	FLK	0,5 - 1,0	2,2 - 3,0	927 836	929 922	-1/-2/ -7/ 1-2/ 2-2	734 252-0	878 337-1	963 244
	FLK	1,5	2,2 - 3,0	927 835	929 923	-1/ -2/ -7/ 1-2/ 1-3/ 2-1/ 2-2	734 252-0	878 338-1	963 244
	FLK	2,5	3,4 - 3,7	927 835	929 923	-1/ -2/ -7/ 1-2/ 1-3/ 2-1/ 2-2	734 252-0	878 338-1	963 245
	FLR	0,35 - 0,5	1,4 - 2,1	927 826	929 921	-1/ -2/ -7/ 1-2/ 2-2	(734 252-0)	878 425-1	963 243
	FLR	0,5 - 1,0	1,4 - 2,1	927 836	929 922	-1/ -2/ -7/ 1-2/ 2-2	734 252-0	878 337-1	963 243
	FLR	1,5 - 2,5	2,2 - 3,0	927 835	929 923	-1/ -2/ -7/ 1-2/ 1-3/ 2-1/ 2-2	734 252-0	878 338-1	963 244
	FLR	4,0	3,4 - 3,7	928 966	929 924	-1/ -2/ -7/ 1-2/ 1-3/ 2-1/ 2-2	734 252-0	878 441-1	963 245
WITH CRIMP FOR SINGLE-WIRE-SEALING Lenght: 23mm	FLK	1,5	2,7 - 3,0	968035	96036	-2/ 2-4			963 244
	FLK	2,5	3,3 - 3,7						963 245
	FLR	1,5 - 2,5	2,2 - 3,0						963244
	FLR	4,0	3,4 - 3,7	968037	96038	-2/ 2-4			963245

NOTES: Application specification 114-18037; Spare blade 726 506; Dead end plug 828 922; Seal dash numbers: -1; Contact dash-numbers (short discription): -1 CuFe2, pretinned, heat-treated; -2 CuSn4, pretinned, heat-treated; -3 CuSn4, contact zone presilvered (3 µm);
-4 CuSn4, presilvered (0,8 µm); -5 CuFe2, presilvered (0,8 µm); -7 CuFe2, contact area gold-plated, cantilever spring plain, crimp area tin-plated; 1-2 CuFe2, contact area tin-plated, cantilever spring gold-plated; crimp area tin-plated; 2-1 CuSn4, contact area gold-plated, cantilever spring gold-plated, cantilever spring gold-plated, crimp area tin-plated. 2-4 CuSn4, contact area tin-plated, cantilever spring gold-plated, crimp area tin-plated.

Table 2

NAME Standard Power Timer

SHEET 9 OF 32

LOC A1 A4

NO 108-18025-1

REV G

AMP DEUTSCHLAND GmbH Langen b. FfM

temperature- / current cycle

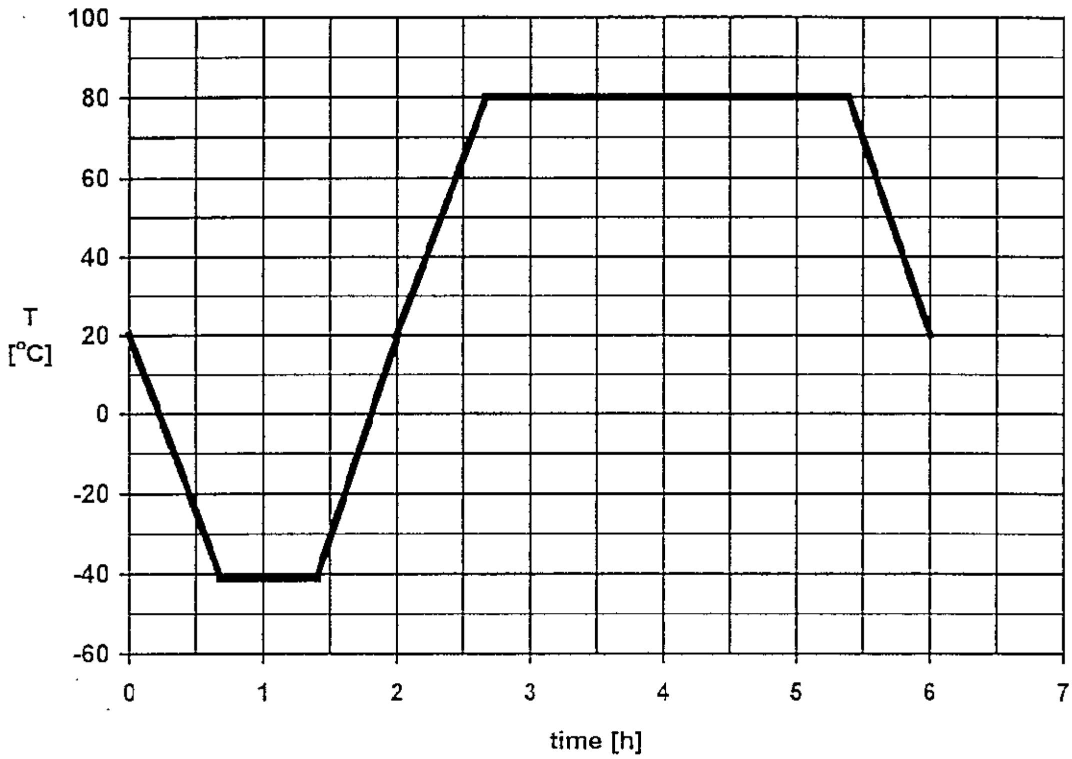
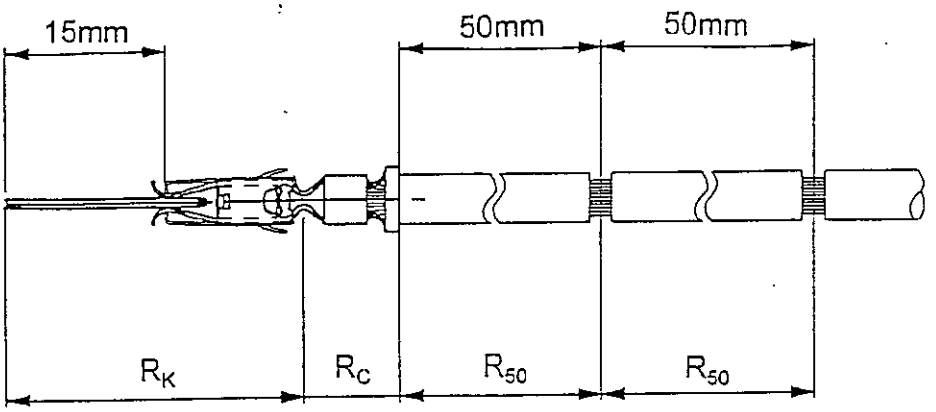


Diagram 1

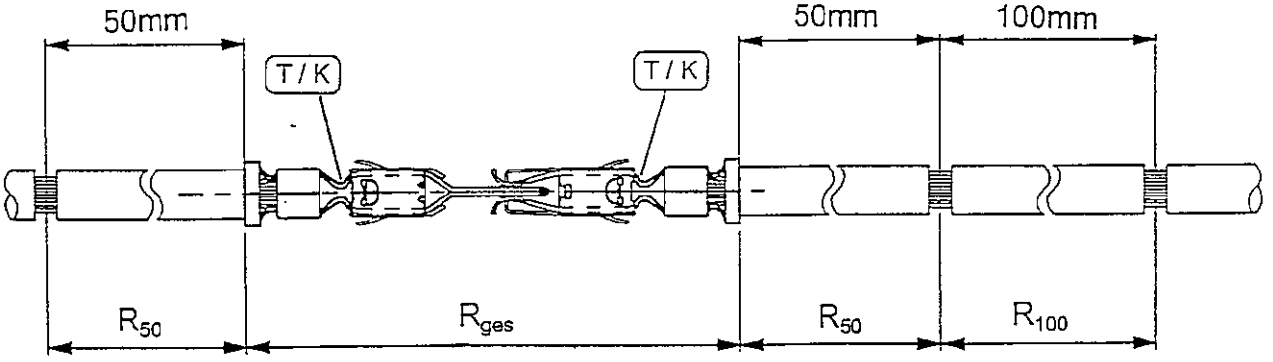
DIST

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM	
10 OF 32	LOC AI A4	NO 108-18025-1	REV G
NAME	Standard Power Timer		



Crimp- and contact resistance:

Rk	=	contact resistance
Rc	=	crimp resistance
R50	=	resistance of 50mm wire length



Total contact resistance:

Rges	=	total contact resistance
R50	=	resistance of 50mm wire length
R100	=	resistance of 100mm wire length

Fig. 1: Test equipment for crimp and contact resistance

SHEET 11 OF 32	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC AI	A4	NO 108-18025-1	REV G
NAME Standard Power Timer				

DIST

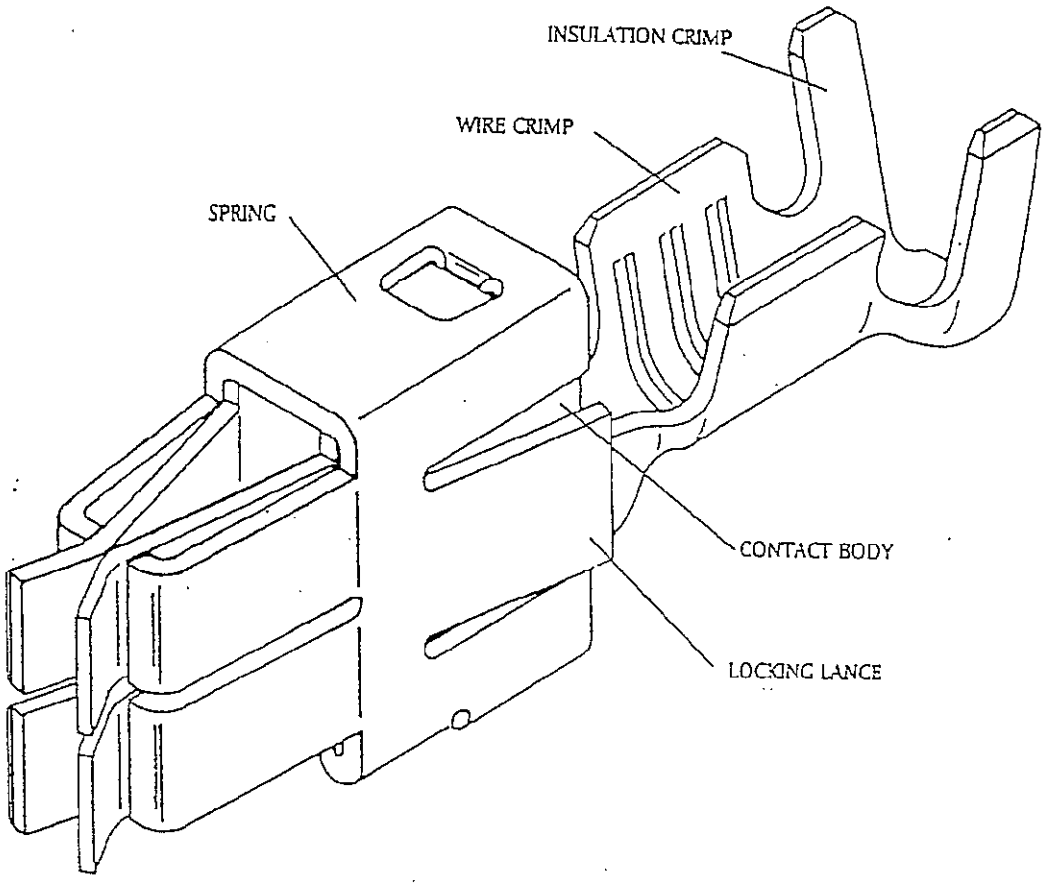


Fig. 2: Contact design

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
12 OF 32	LOC A1	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

DIST

Receptacle : ....Standard Power Timer
Material : .... Cu Sn4 / Sn
Wire Size : 0,35mm², 0,5mm², 1,0mm²
Pin : ....Flat Contact 5,8 x 0,8mm
Material : .... Cu Sn4 / Sn
Wire Size : 0,35mm², 0,5mm², 1,0mm²

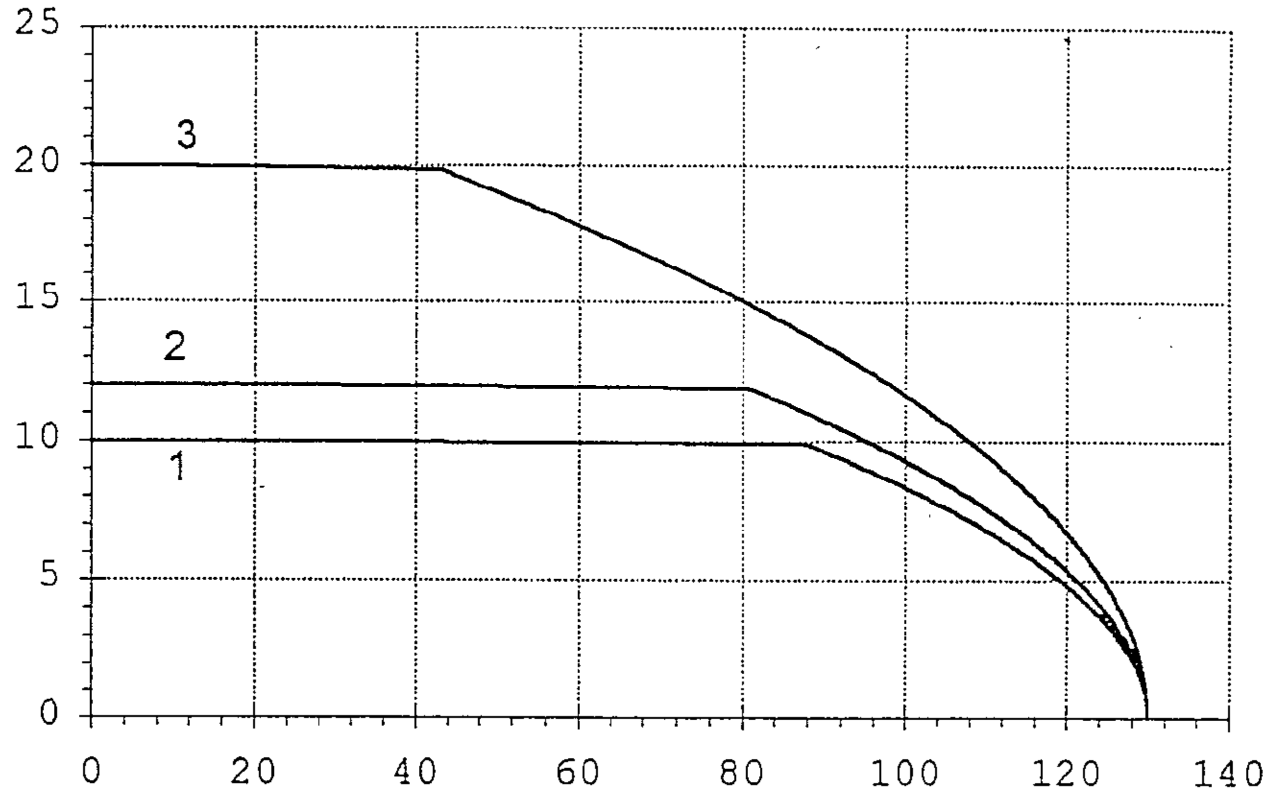


Diagram 2a : current carrying capicity „free in air"

SHEET 13 OF 32	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC AI	A4	NO 108-18025-1	REV G
NAME Standard Power Timer				

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Sn
Wire Size : ..... 0, 35mm^2 , 0,5mm^2 , 1,0mm^2
Pin : ..... Flat Contact 5,8 x 0,8
Material : ..... Cu Fe2 / Sn
Wire Size : ..... 0, 35mm^2 , 0,5mm^2 , 1,0mm^2

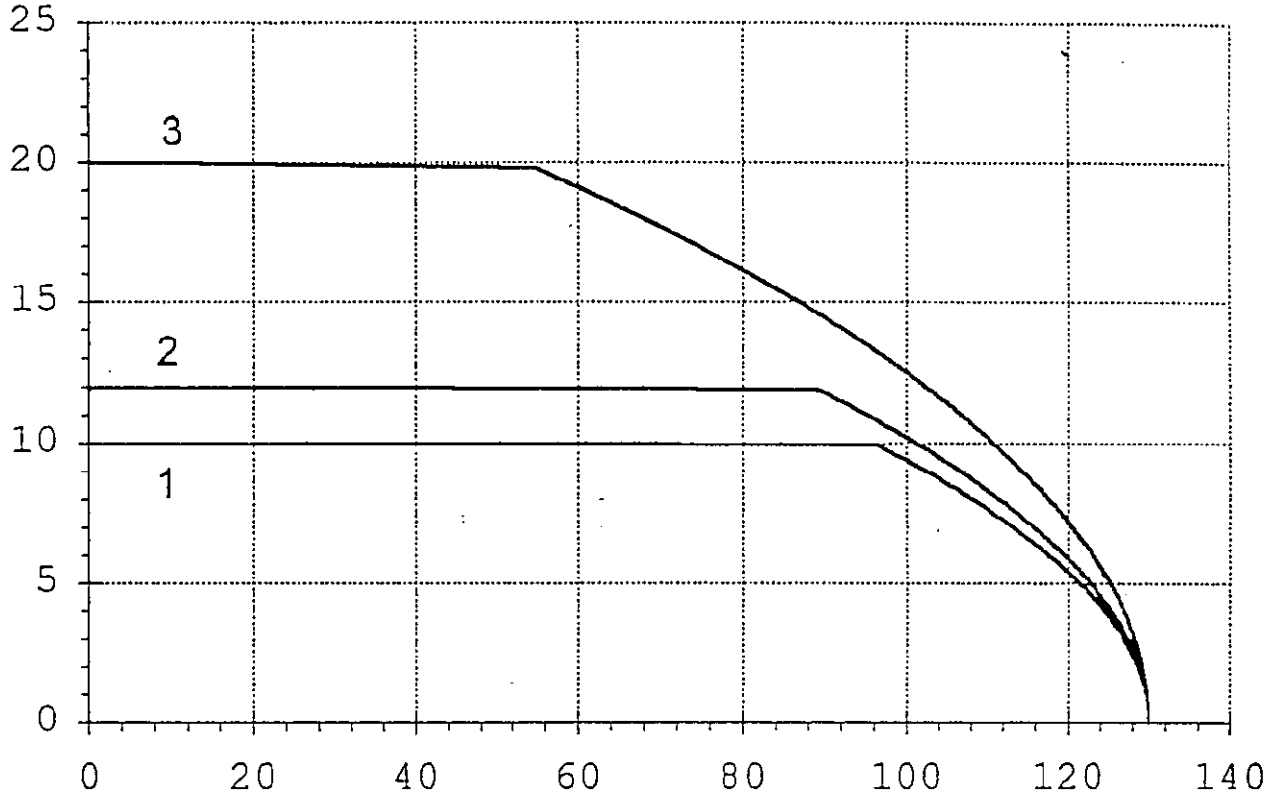


Diagram 2b : current carrying capacity „free in air"

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
14 OF 32	LOC AI	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

Receptacle : .....Standard Power Timer
Material : ..... Cu Sn4 / Sn
Wire Size : ..... 2,5mm^2, 4,0mm^2 , 6,0mm^2
Pin : .....Flat Contact 5,8 x 0,8mm
Material : ..... Cu Sn4 / Sn
Wire Size : ..... 2,5mm^2, 4,0mm^2 , 6,0mm^2

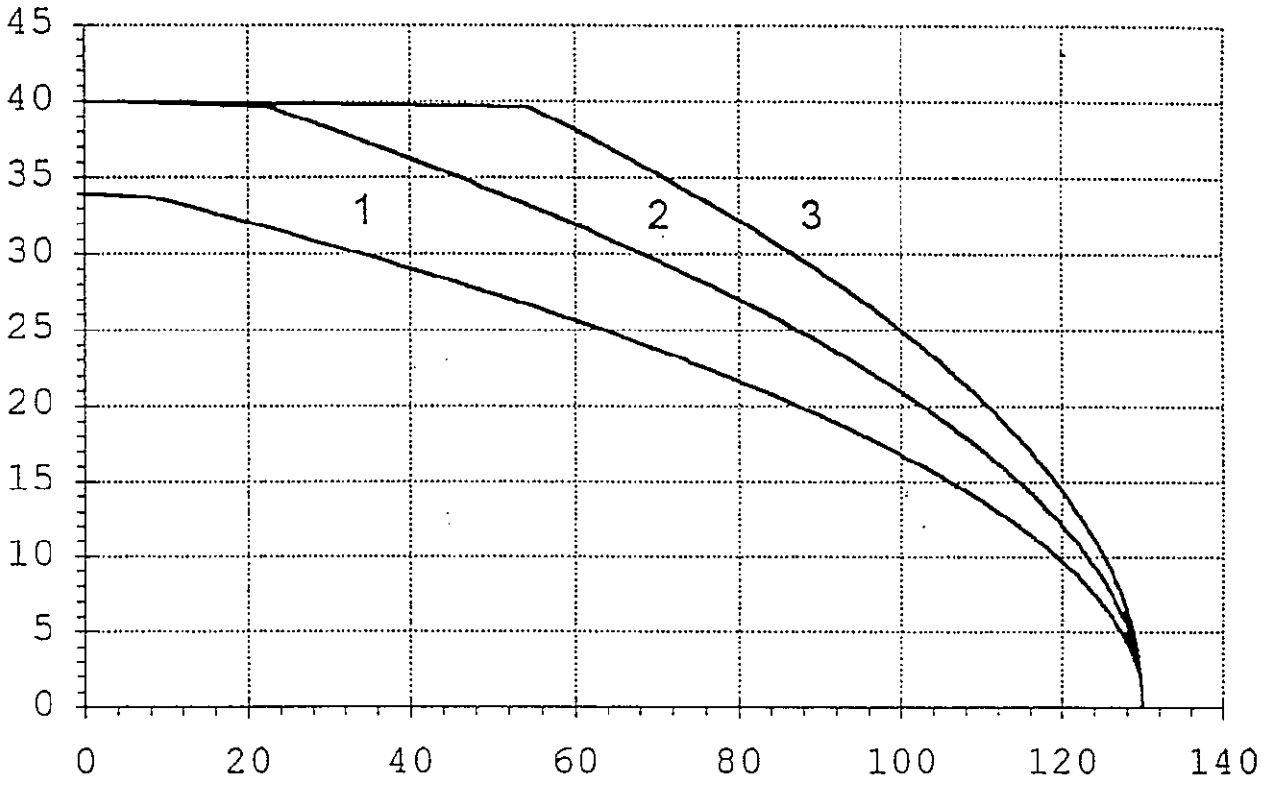


Diagram 2c : current carrying capacity „free in air"

SHEET 15 OF 32	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC A1	A4	NO 108-18025-1	REV G
NAME Standard Power Timer				

Receptacle : .... .Standard Power Timer
Material : ..... Cu Fe2 / Sn
Wire Size : ....2,5mm^2 , 4,0mm^2, 6,0mm^2
Pin : ....Flat Contact 5,8 x 0,8mm
Material : ..... Cu Fe2 / Sn
Wire Size : ....2,5mm^2 , 4,0mm^2, 6,0mm^2

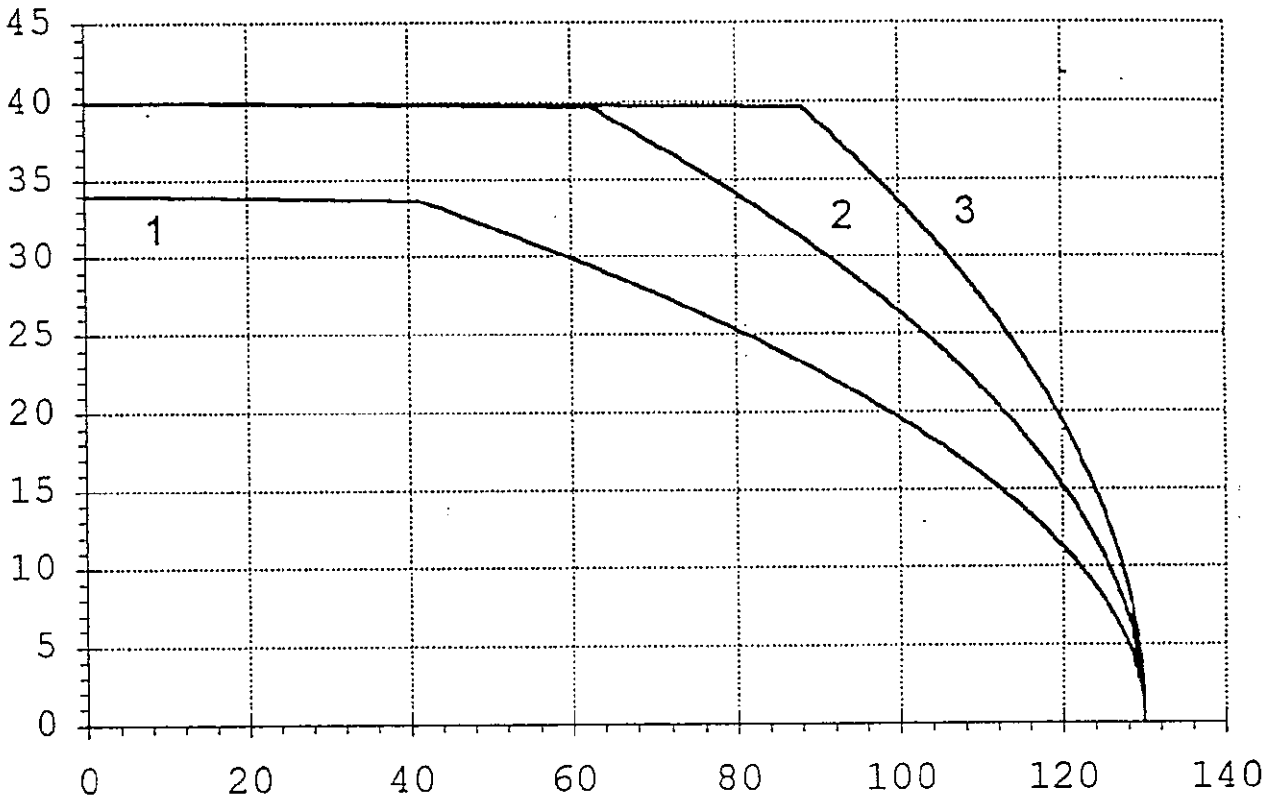


Diagram 2d : current carrying capacity „free in air“

SHEET 16 OF 32	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC AI	A4	NO 108-18025-1		REV G
NAME Standard Power Timer					

Receptacle : ..... Standard Power Timer
Material : ..... CuFe2 / Sn // Cu Sn4 / Sn
Wire Size : ..... $4{,}0mm^2$
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... CuFe2 / Sn // Cu Sn4 / Sn
Wire Size : ..... $4{,}0mm^2$

C.1: .....SPT: Cu Fe2 - Tab: Cu Fe2
C.2: .....SPT: Cu Sn4 - Tab: Cu Fe2
C.3: .....SPT: Cu Fe2 - Tab: Cu Sn4
C.4: .....SPT: Cu Sn4 - Tab: Cu Sn4

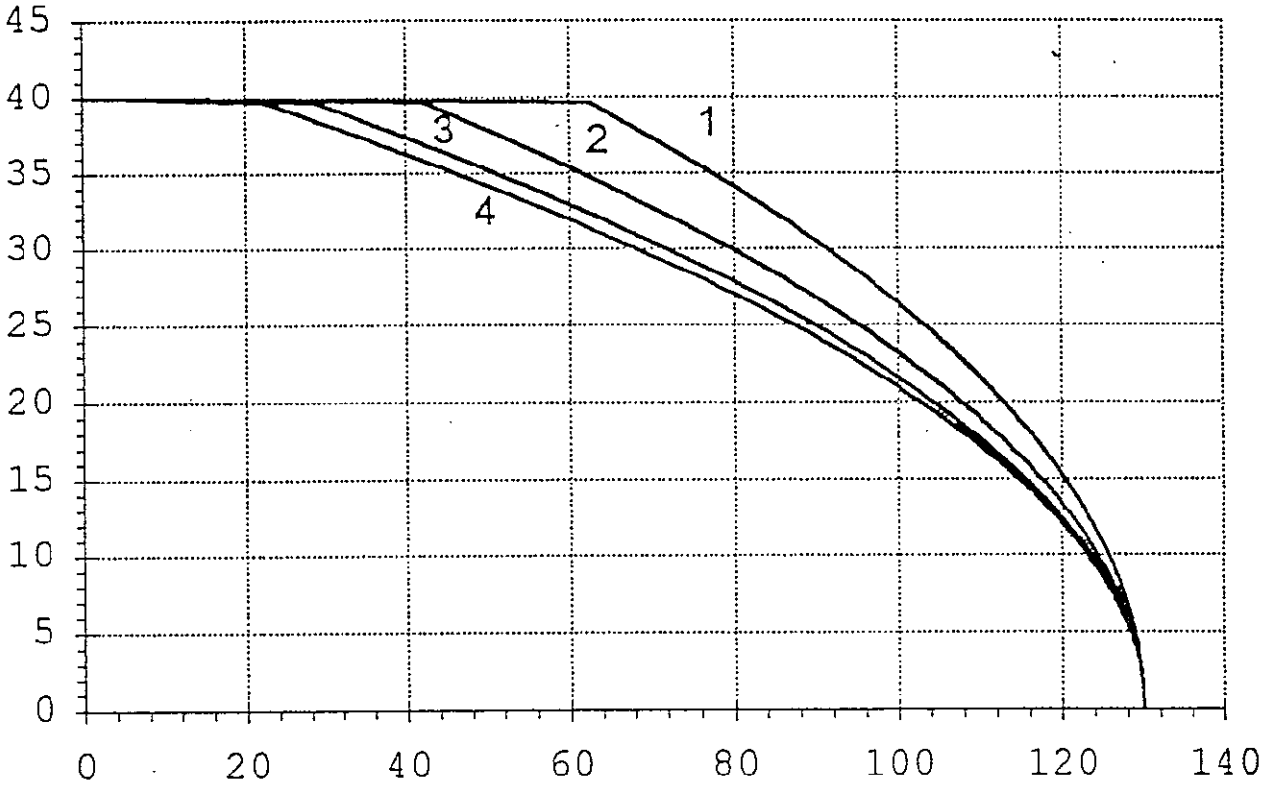


Diagram 2e : current carrying capacity „free in air"

SHEET 17 OF 32	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC AI	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

DIST

Receptacle : ..... Standard Power Timer
Material : ..... Cu Sn4 / Sn
Wire Size : ..... 0,35mm^2, 0,5mm2, 1,0mm^2
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Sn4 / Sn
Wire Size : ..... 0,35mm^2, 0,5mm^2, 1,0mm^2

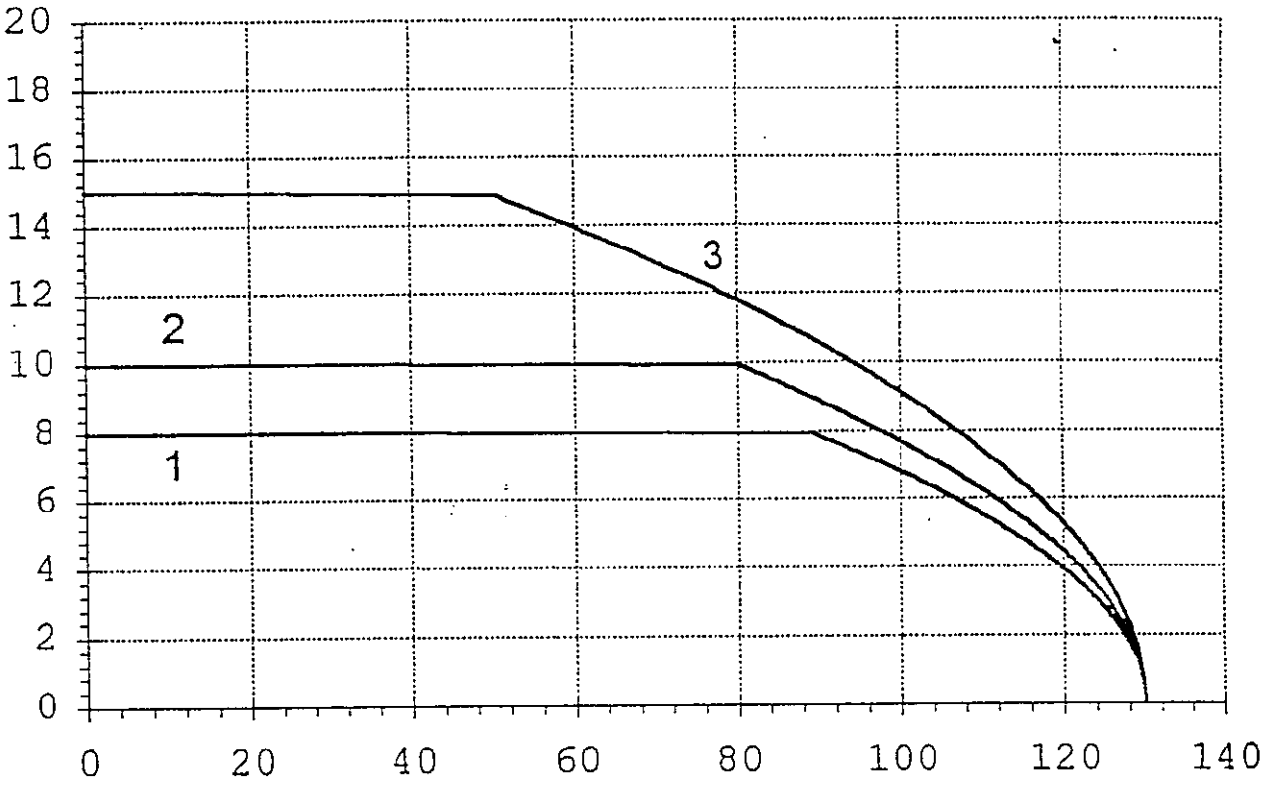


Diagram 3a : current carrying capacity in housing

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
18 OF 32	LOC AI	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

DIST

Receptacle : ..... Standard Power Timer
Material : ..... CuFe2 / Sn
Wire Size : ..... 0,35mm^2 , 0,5 mm^2, 1,0mm^2
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... CuFe2 / Sn
Wire Size : ..... 0,35mm^2 , 0,5mm^2 , 1,0mm^2

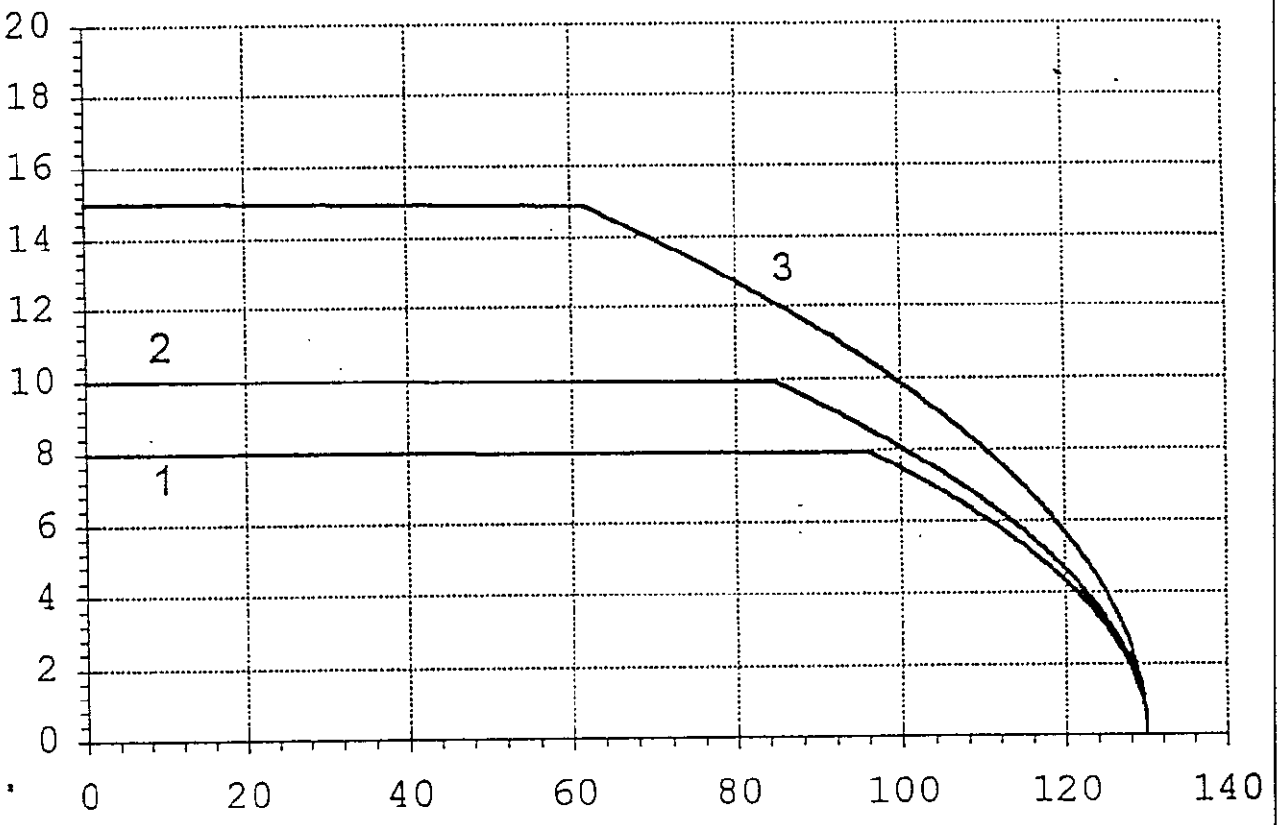


Diagram 3b : current carrying capacity in housing

SHEET 19 OF 32	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC A1	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

DIST

108-18025-1

Receptacle : ..... Standard Power Timer
Material : ..... Cu Sn4 / Sn
Wire Size : ..... 2,5mm^2 , 4,0mm^2
Pin ..... Flat Contact 0,8mm^2 x 5,8mm
Material : ..... Cu Sn4 / Sn
Wire Size : ..... 2,5mm^2 , 4,0mm^2

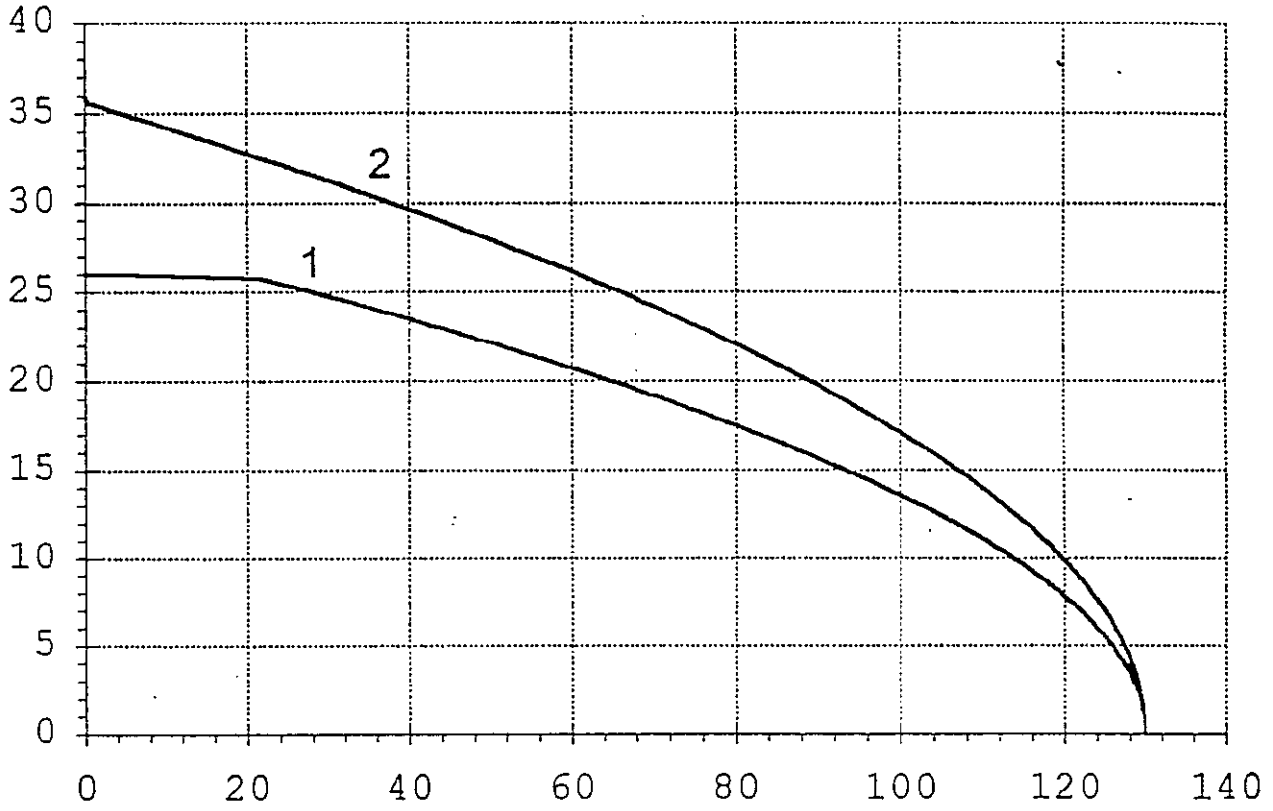


Diagram 3c : current carrying capacity in housing

DIST

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
20 OF 32	LOC AI	A4	NO 108-18025-1		REV G
NAME Standard Power Timer					

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Sn
Wire Size : 2,5mm², 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Fe2 / Sn
Wire Size : 2,5mm², 4,0mm²

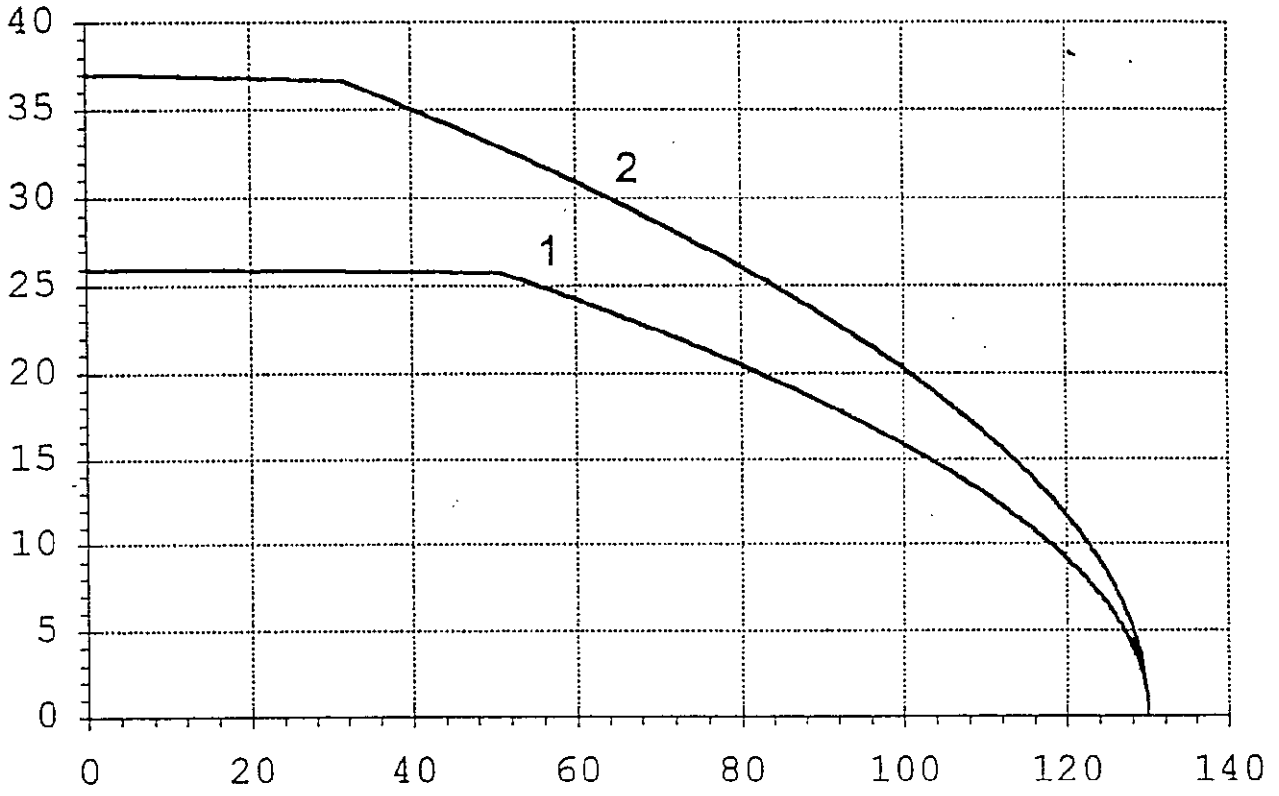


Diagram 3d : current carrying capacity in housing

DIST

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
21 OF 32	LOC AI	A4	NO 108-18025-1	REV G
NAME	Standard Power Timer			

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Sn // Cu Sn4 / Sn
Wire Size : ..... 4,0mm^2
Pin : .....Flat Contact 5,8 mm
Material : .....Su Zn / Sn
Wire Size : ..... 4,0mm^2

C.1: .....Cu Fe2 / Sn
C.2: .....Cu Sn4 / Sn

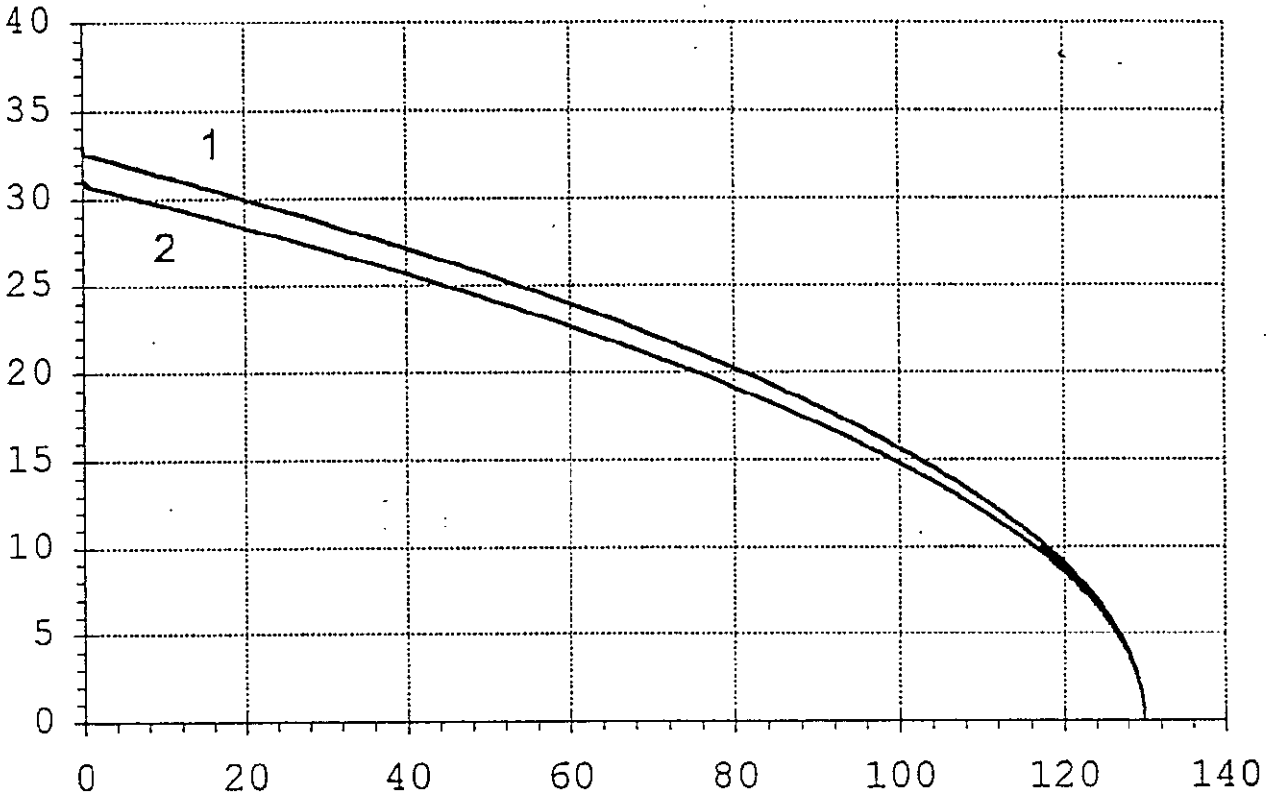


Diagram 3e: current carrying capacity in housing

SHEET 22 OF 32	AMP AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC AI	A4	NO 108-18025-1	REV G
NAME Standard Power Timer				

DIST

108-18025-1

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Ag // Cu Sn4 / Ag
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Fe2 / Ag // Cu Sn4, Ag
Wire Size : 4,0mm²

C.1: ..... Cu Fe2 / Ag
C.2: ..... Cu Sn4 / Ag

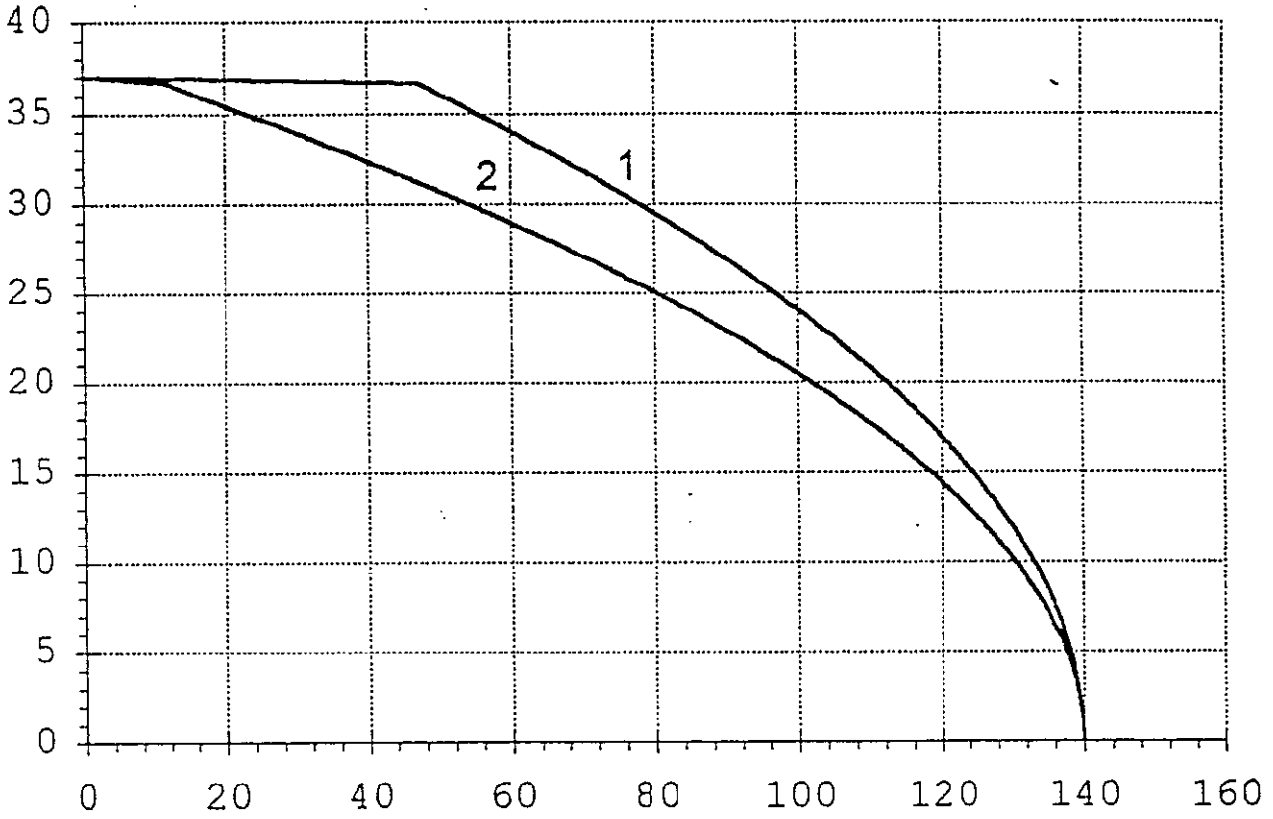


Diagram 3f : current carrying capacity in housing

SHEET 23 OF 32	AMP AMP DEUTSCHLAND GmbH Langen b. FfM				
	LOC AI	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

DIST

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Au // Cu Sn4 / Au
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Zn / Au
Wire Size : 4,0mm²

C.1: ..... Cu Fe2 / Au
C.2: ..... Cu Sn4 / Au

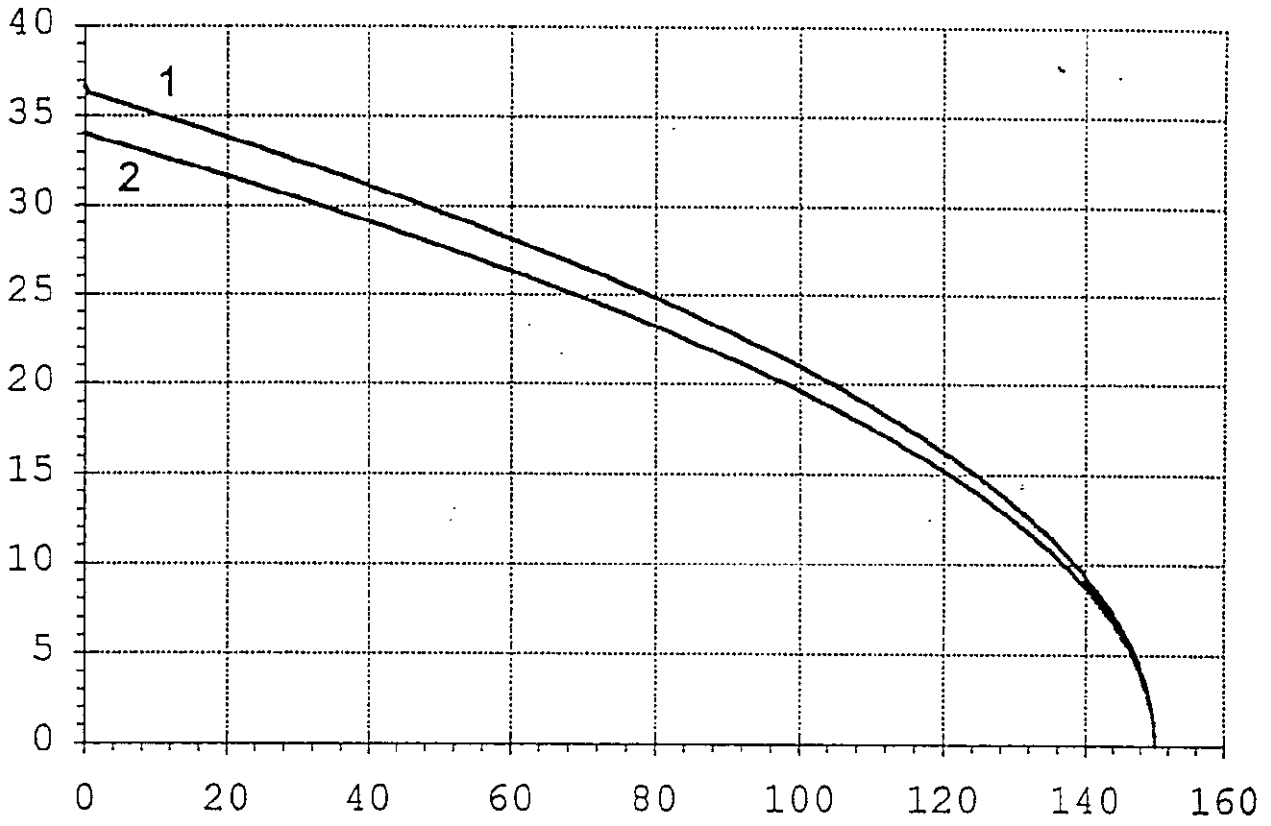


Diagram 3g : current carrying capacity in housing

SHEET 24 OF 32	AMP DEUTSCHLAND GmbH Langen b. FfM				
	LOC AI	A4	NO 108-18025-1	REV G
NAME Standard Power Timer					

Receptacle : ..... Standard Power Timer
Material : ..... CuSn4 / Sn
Wire Size : ..... 4,0mm^2
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Zn / Sn
Wire Size : ..... 4,0mm^2

C.1: .....before stress test
C.2: .....after stress test

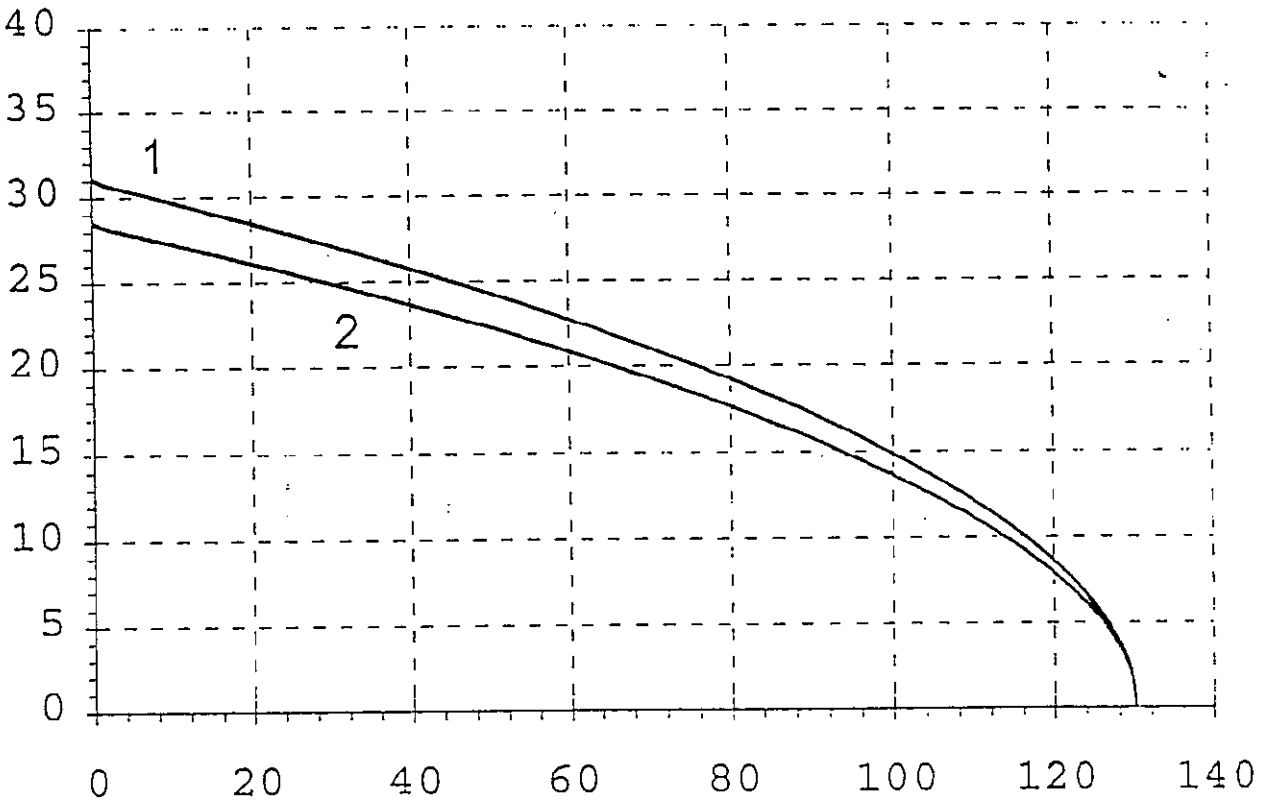


Diagram 4b : current carrying capacity (before and after electrical stress test)

SHEET 26 OF 32	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC A1	A4	NO 108-18025-1	REV G
NAME Standard Power Timer				

DIST

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Sn
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Fe2 / Sn
Wire Size : 4,0mm²

C.1: ..... before stress test
C.2: ..... after stress test

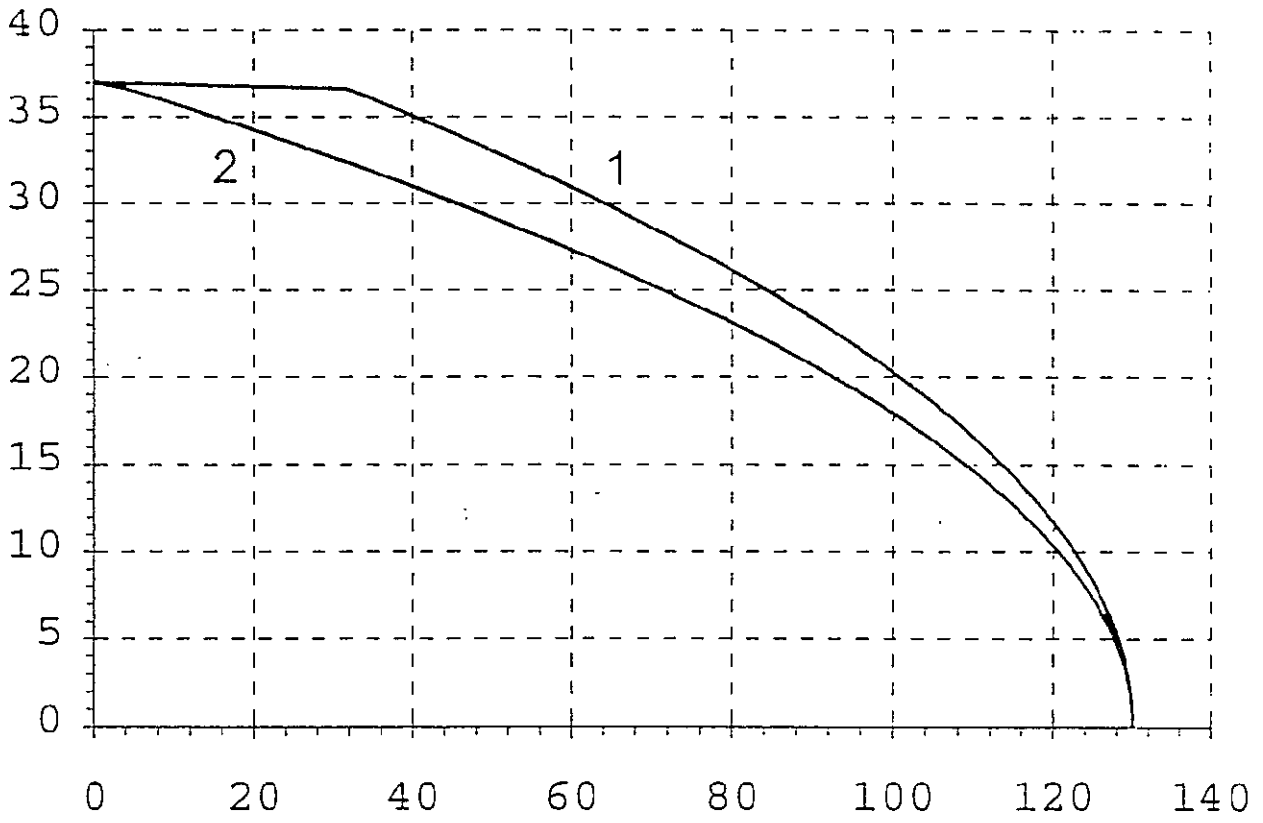


Diagram 4c : current carrying capacity (before and after electrical stress test)

SHEET 27 OF 32	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
	LOC A1	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

108-18025-1

Receptacle : .... Standard Power Timer
Material : .... Cu Fe2 / Sn
Wire Size : .... 4,0mm^2
Pin : .... Flat Contact 5,8 x 0,8mm
Material : .... Cu Zn / Sn
Wire Size : .... 4,0mm^2

C.1: .... before stress test
C.2: .... after stress test

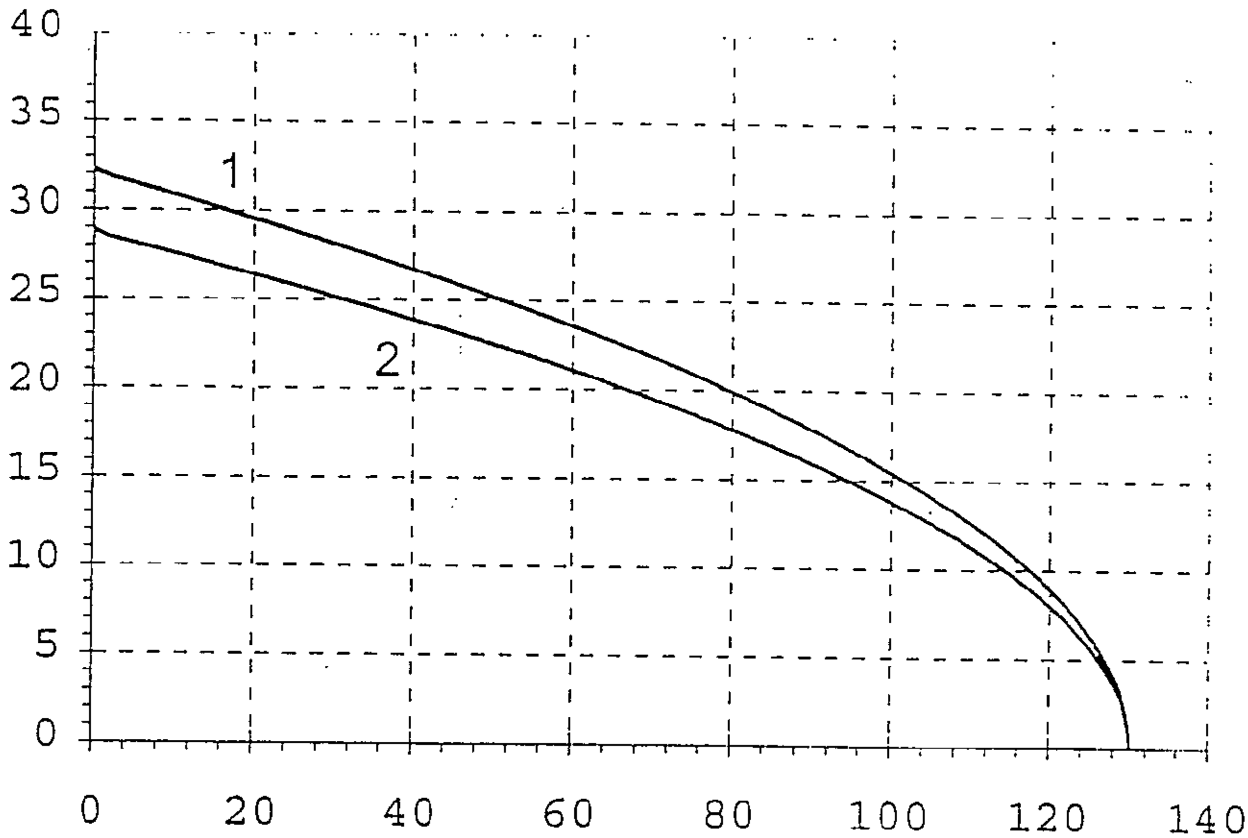


Diagram 4d : current carrying capacity (before and after stress test)

SHEET			
28 OF 32	LOC AI A4	NO 108-18025-1	REV G
NAME	Standard Power Timer		

AMP DEUTSCHLAND GmbH
Langen b. FfM

DIST

Receptacle : ..... Standard Power Timer
Material : ..... CuSn4 / Ag
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... CuSn4 / Ag
Wire Size : 4,0mm²

C.1: .....before stress test
C.2: .....after stress test

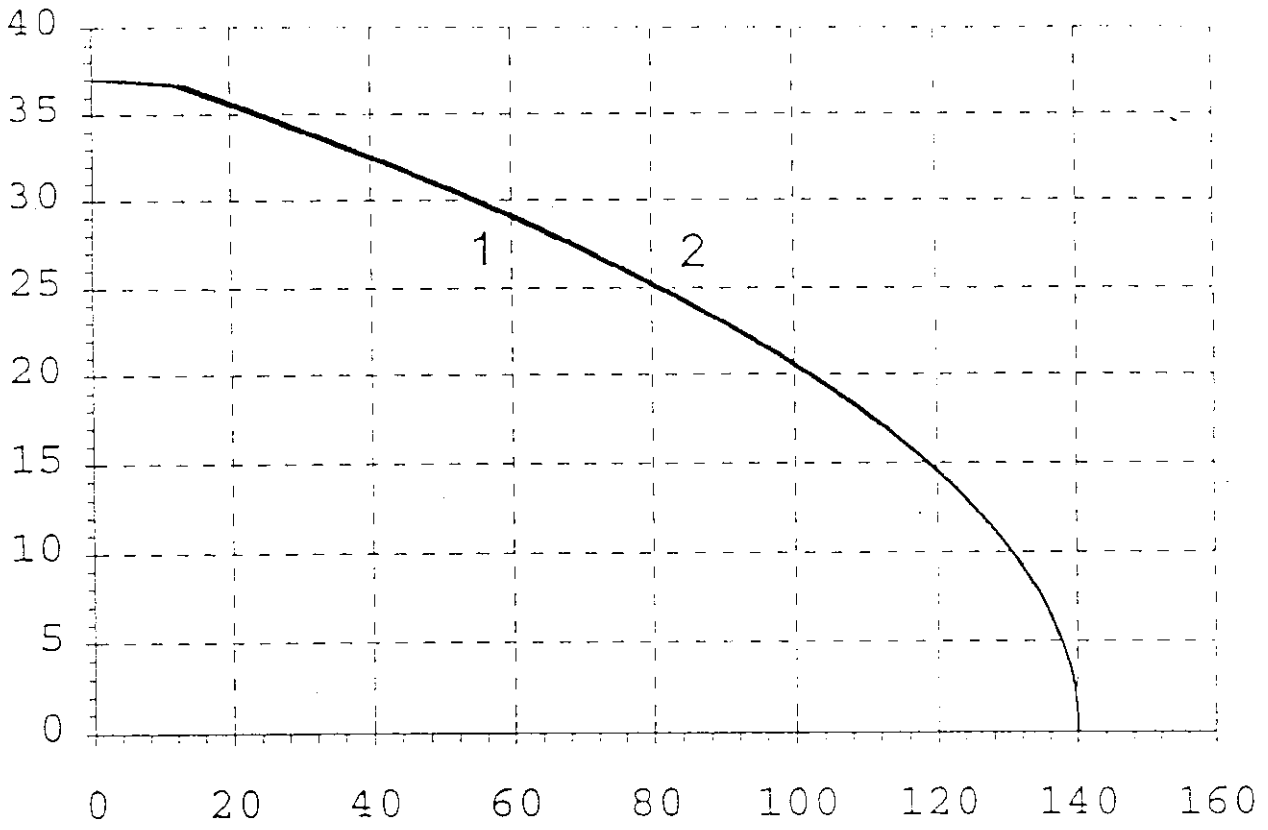


Diagram 4e : current carrying capacity (before and after electrical stress test)

Receptacle : ..... Standard Power Timer
Material : ..... Cu Fe2 / Ag
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Fe2 / Ag
Wire Size : 4,0mm²

C.1: .....before stress test
C.2: .....after stress test

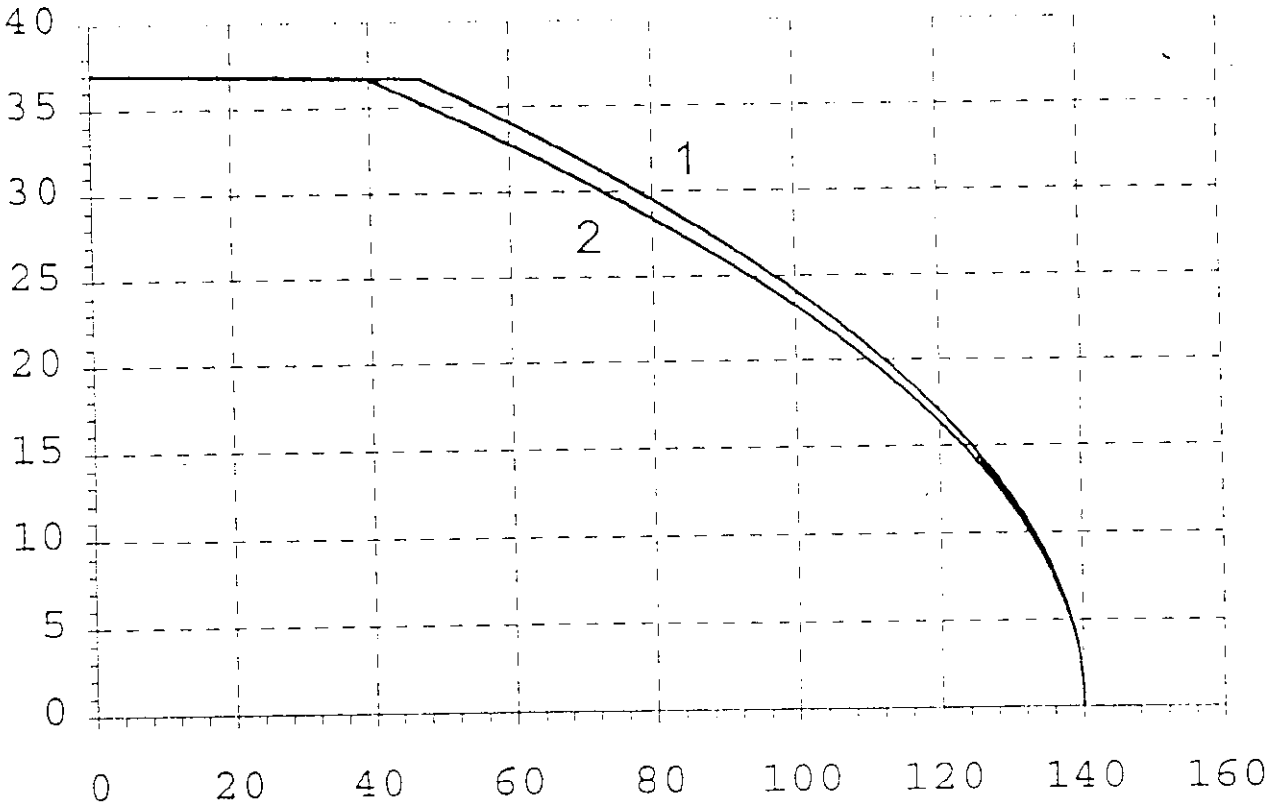


Diagram 4f : current carrying capacity (before and after electrical stress test)

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
30 OF 32	LOC Al	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

Receptacle : ..... Standard Power Timer
Material : ..... CuSn4 / Au
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Zn / Au
Wire Size : 4,0mm²

C.1: .....before stress test
C.2: .....after stress test

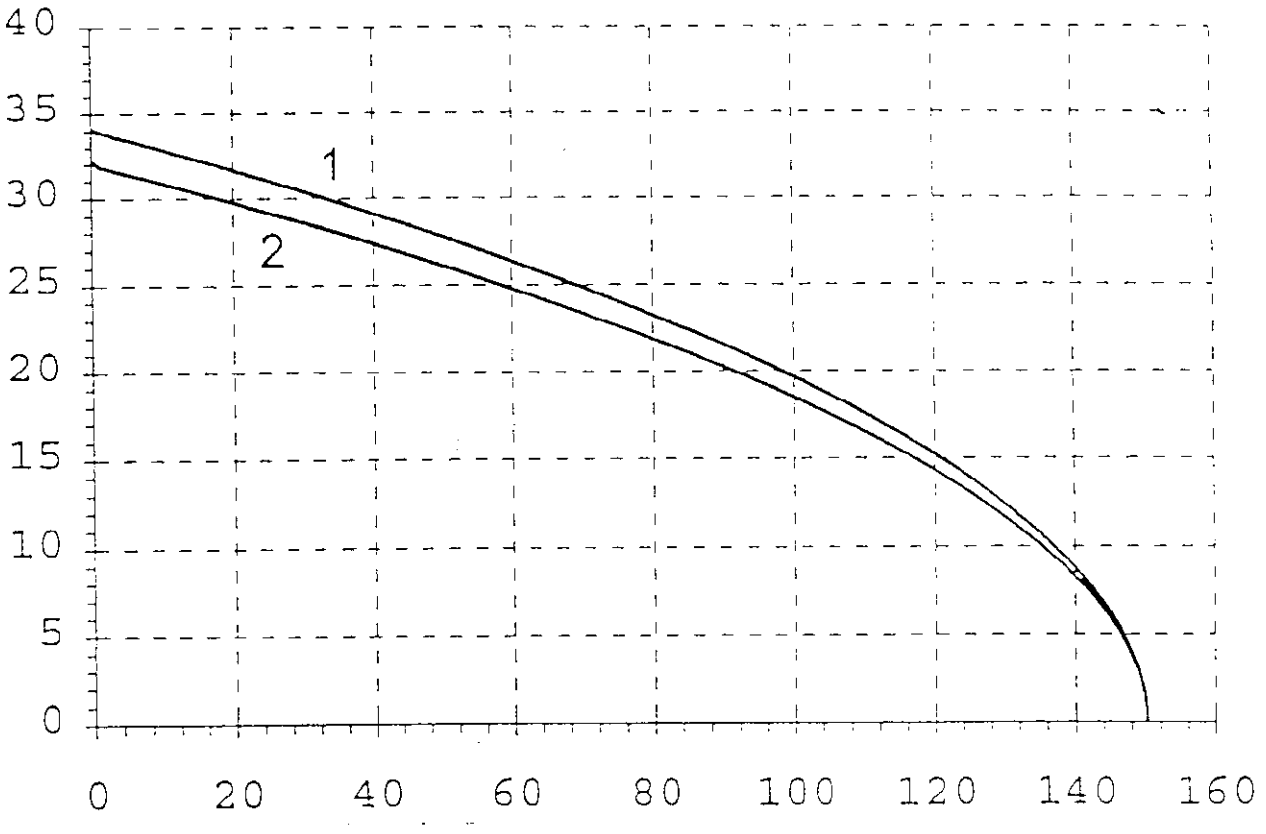


Diagram 4g : current carrying capacity (before and after stress test)

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
31 OF 32	LOC AI	A4	NO 108-18025-1	REV G	
NAME Standard Power Timer					

Receptacle : ..... Standard Power Timer
Material : ..... CuFe2 / Au
Wire Size : 4,0mm²
Pin : ..... Flat Contact 5,8 x 0,8mm
Material : ..... Cu Zn / Au
Wire Size : 4,0mm²

C.1: .....before stress test
C.2: .....after stress test

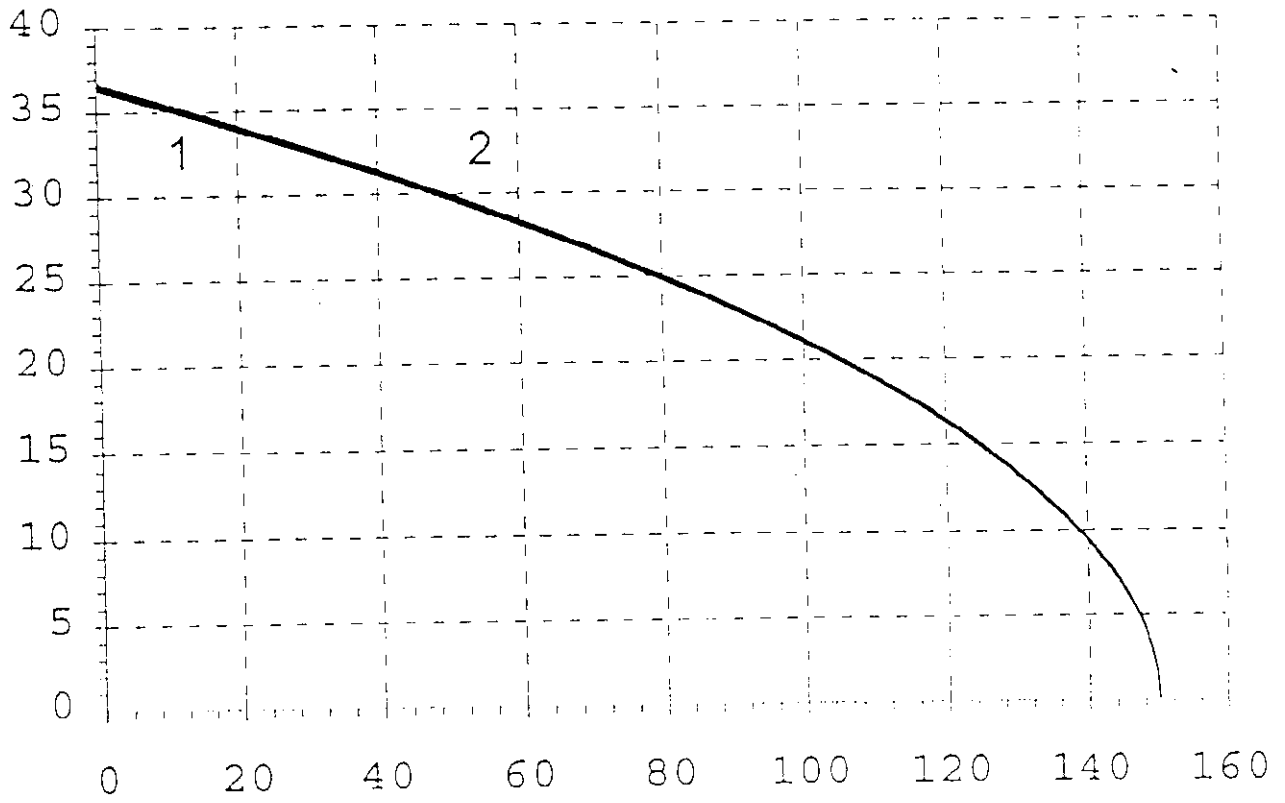


Diagram 4h : current carrying capicity (bevore and after stress test)

SHEET	AMP	AMP DEUTSCHLAND GmbH Langen b. FfM			
32 OF 32	LOC AI	A4	NO 108-18025-1		REV G
NAME Standard Power Timer					