

## MA047 (de\_en) Montageanleitung

**Stecker IS100V-C... mit Bajonett-verriegelung  
und Gewindeanschluss**

### Inhalt

|                                         |   |
|-----------------------------------------|---|
| Sicherheitshinweise                     | 2 |
| Notwendiges Werkzeug                    | 3 |
| 1. Montage in Stromschleise             | 3 |
| 2. Montage in Frontblei                 | 4 |
| 3. Montage des Mikroswitches (MS-S100V) | 5 |
| Funktionstests des Mikroswitches        | 6 |
| Verschlusskappe                         | 6 |
| Kodierung                               | 6 |
| Wichtiger Hinweis                       | 7 |

## MA047 (de\_en) Assembly instructions

**Plugs IS100V-C... with bayonet locking and th-  
readed stud**

### Content

|                                           |   |
|-------------------------------------------|---|
| Safety instructions                       | 2 |
| Tools required                            | 3 |
| 1. Assembly into busbar                   | 3 |
| 2. Assembly in front panel                | 4 |
| 3. Installation of microswitch (MS-S100V) | 5 |
| Functional check of microswitch           | 6 |
| Protective cap                            | 6 |
| Coding                                    | 6 |
| Important notice                          | 7 |

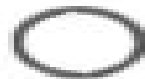


IS100V-C...



Verschlusskappe  
Protective cap

VK-S100V



Dichtung®  
Seal\*

Mikroschalter  
Microswitch



MS-S100V

\* Nur für Montage in Frontblei

\* Not assembly in front panel only

# User Manual Staubli Textile

**Siddappa N.Byrareddy**



## **User Manual Staubli Textile:**

Delve into the emotional tapestry woven by Crafted by in **User Manual Staubli Textile** . This ebook, available for download in a PDF format ( PDF Size: \*), is more than just words on a page; it is a journey of connection and profound emotion. Immerse yourself in narratives that tug at your heartstrings. Download now to experience the pulse of each page and let your emotions run wild.

<https://movement.livewellcolorado.org/book/virtual-library/Documents/Study%20Guide%20For%20Cm%20Exam.pdf>

## **Table of Contents User Manual Staubli Textile**

1. Understanding the eBook User Manual Staubli Textile
  - The Rise of Digital Reading User Manual Staubli Textile
  - Advantages of eBooks Over Traditional Books
2. Identifying User Manual Staubli Textile
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an User Manual Staubli Textile
  - User-Friendly Interface
4. Exploring eBook Recommendations from User Manual Staubli Textile
  - Personalized Recommendations
  - User Manual Staubli Textile User Reviews and Ratings
  - User Manual Staubli Textile and Bestseller Lists
5. Accessing User Manual Staubli Textile Free and Paid eBooks
  - User Manual Staubli Textile Public Domain eBooks
  - User Manual Staubli Textile eBook Subscription Services
  - User Manual Staubli Textile Budget-Friendly Options

6. Navigating User Manual Staubli Textile eBook Formats
  - ePub, PDF, MOBI, and More
  - User Manual Staubli Textile Compatibility with Devices
  - User Manual Staubli Textile Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of User Manual Staubli Textile
  - Highlighting and Note-Taking User Manual Staubli Textile
  - Interactive Elements User Manual Staubli Textile
8. Staying Engaged with User Manual Staubli Textile
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers User Manual Staubli Textile
9. Balancing eBooks and Physical Books User Manual Staubli Textile
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection User Manual Staubli Textile
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine User Manual Staubli Textile
  - Setting Reading Goals User Manual Staubli Textile
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of User Manual Staubli Textile
  - Fact-Checking eBook Content of User Manual Staubli Textile
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning
  - Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
  - Integration of Multimedia Elements

- Interactive and Gamified eBooks

## **User Manual Staubli Textile Introduction**

In today's digital age, the availability of User Manual Staubli Textile books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of User Manual Staubli Textile books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of User Manual Staubli Textile books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing User Manual Staubli Textile versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, User Manual Staubli Textile books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing User Manual Staubli Textile books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for User Manual Staubli Textile books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of

Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, User Manual Staubli Textile books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of User Manual Staubli Textile books and manuals for download and embark on your journey of knowledge?

### **FAQs About User Manual Staubli Textile Books**

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer webbased readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. User Manual Staubli Textile is one of the best book in our library for free trial. We provide copy of User Manual Staubli Textile in digital format, so the resources that you find are reliable. There are also many Ebooks of related with User Manual Staubli Textile. Where to download User Manual Staubli Textile online for free? Are you looking for User Manual Staubli Textile PDF? This is definitely going to save you time and cash in something you should think about. If you trying to find then search around for online. Without a doubt there are numerous these available and many of them have the freedom. However without doubt you receive whatever you purchase. An alternate way to get ideas is always to check another User Manual Staubli Textile. This method for see exactly what may be included and adopt these ideas to your book. This site will almost certainly help you save time and effort, money and stress. If you are looking for free books then you really should consider finding to assist you try this. Several of User Manual Staubli Textile are for sale to free while some are payable. If you arent sure if the books you would like to download works with for usage along with your computer, it is possible to download free trials. The free guides make

it easy for someone to free access online library for download books to your device. You can get free download on free trial for lots of books categories. Our library is the biggest of these that have literally hundreds of thousands of different products categories represented. You will also see that there are specific sites catered to different product types or categories, brands or niches related with User Manual Staubli Textile. So depending on what exactly you are searching, you will be able to choose e books to suit your own need. Need to access completely for Campbell Biology Seventh Edition book? Access Ebook without any digging. And by having access to our ebook online or by storing it on your computer, you have convenient answers with User Manual Staubli Textile To get started finding User Manual Staubli Textile, you are right to find our website which has a comprehensive collection of books online. Our library is the biggest of these that have literally hundreds of thousands of different products represented. You will also see that there are specific sites catered to different categories or niches related with User Manual Staubli Textile So depending on what exactly you are searching, you will be able to choose ebook to suit your own need. Thank you for reading User Manual Staubli Textile. Maybe you have knowledge that, people have search numerous times for their favorite readings like this User Manual Staubli Textile, but end up in harmful downloads. Rather than reading a good book with a cup of coffee in the afternoon, instead they juggled with some harmful bugs inside their laptop. User Manual Staubli Textile is available in our book collection an online access to it is set as public so you can download it instantly. Our digital library spans in multiple locations, allowing you to get the most less latency time to download any of our books like this one. Merely said, User Manual Staubli Textile is universally compatible with any devices to read.

## **Find User Manual Staubli Textile :**

**study guide for cm exam**

~~study guide for educators exam for bilingual~~

**study guide graphic organizer science**

study guide for grade 1 mathematics

study guide for csi cdt exam

**study guide for ramsay tests**

**study guide holt sociology**

*study guide how scientists classify answers*

study guide for process operator exam

**study guide for hydrocarbons answers**

*study guide human genetics*



**study guide for icn1**

study guide for movie first knight

study guide for pnet

**study guide old testament**

**User Manual Staubli Textile :**

**the beautiful ones series 5 njideka akunyili crosby** - Jun 27 2023

the beautiful ones series 5 2016 acrylic transfers colored pencil pastel collage and commemorative fabric on paper 61 2 in 42 in

*njideka akunyili crosby the beautiful ones artbook* - May 15 2022

sep 5 2019 nigerian born los angeles based artist njideka akunyili crosby s born 1983 figurative paintings at first appear to be paintings of quotidian indoor scenes inspired by the artist s personal photographs of friends and family in nigeria but on closer inspection it becomes clear that large segments of these paintings are composed of collages themselves created from

njideka akunyili crosby the beautiful ones series 9 2018 - Mar 25 2023

njideka akunyili crosby the beautiful ones series 9 2018 acrylic colour pencil charcoal transfers and collage on paper 190 5 x 191 8 cm75 x 75 1 2 in exhibitions njideka akunyili crosby the beautiful ones victoria miro venice italy 8 may 13 july 2019

*njideka akunyili crosby the beautiful ones national portrait* - Apr 25 2023

photographer joshua white this display brings together new and existing works from njideka akunyili crosby s ongoing series the beautiful ones which comprises portraits of nigerian youth including some members of the artist s family

on njideka akunyili crosby s the beautiful ones may have - Jun 15 2022

sep 19 2023 njideka akunyili crosby s new print the beautiful ones may have arrived represents her first foray into an area of artistic production that she has been considering for some time it is both a statement of continuity with the subject matter and style that has dominated her painted work for over a decade and a novel departure in terms

**njideka akunyili crosby b 1983 christie s** - Mar 13 2022

njideka akunyili crosby b 1983 the beautiful ones signed and dated akunyili 2012 lower left acrylic pastel colour pencil and xerox transfer on paper 95 5 8 x 66 7 8in 243 x 170cm executed in 2012 provenance zidoun and bossuyt gallery luxembourg

njideka akunyili crosby the beautiful ones may have arrived - Sep 18 2022

oct 28 2023 visit njideka akunyili crosby s solo exhibition coming back to see through again which includes two new works from the series the beautiful ones on view at david zwirner new york through october 28 2023

njideka akunyili crosby the beautiful ones victoria miro - Jul 29 2023

begun in 2014 njideka akunyili crosby s ongoing series the beautiful ones is comprised of portraits of nigerian children including members of the artist s family derived from personal photographs and more recently from images taken during her frequent visits to nigeria where akunyili crosby lived until the age of sixteen

[understanding njideka akunyili crosby in 10 works of art](#) - Aug 18 2022

jul 17 2021 njideka akunyili crosby s ongoing series the beautiful ones comprises portraits of nigerian youth including some members of the artist s family the series was exhibited at london s national portrait gallery in 2018

**njideka akunyili crosby the beautiful ones contemporary and** - Sep 30 2023

may 8 2019 victoria miro com victoria miro presents the most recent works from los angeles based artist njideka akunyili crosby s acclaimed series the beautiful ones begun in 2014 njideka akunyili crosby s ongoing series the beautiful ones is comprised of portraits of nigerian children including members of the artist

*the beautiful ones series 5 njideka akunyili crosby* - Dec 22 2022

the title of the series the beautiful ones is borrowed from the 1968 novel the beautiful ones are not yet born by ghanaian writer ayi kwei armah the subject of this particular image is

**the beautiful ones series 2 njideka akunyili crosby** - Feb 21 2023

the beautiful ones series 2 2013 acrylic transfers colored pencil and pastel on paper 5 1 ft 3 5 ft

*the beautiful ones series 2 njideka akunyili crosby google* - Oct 20 2022<**call loan comprehension holt mcdougal answers 2023** - Sep 27 2022

web call loan comprehension holt mcdougal answers decoding call loan comprehension holt mcdougal answers revealing the captivating potential of verbal expression in a time characterized by interconnectedness and an insatiable thirst for knowledge the captivating potential of verbal expression has emerged as a formidable

**roald dahl boy mrs pratchett s revenge comprehension** - Jul 26 2022

web dec 3 2018 docx 98 7 kb comprehension activity based on the chapter mrs pratchett s revenge from roald dahl s autobiography boy includes a copy of the text followed by questions to test students understanding suitable for both ks2 and ks3 classes

**holt mcdougal a call loan reading comprehension answers** - Apr 03 2023

web holt mcdougal a call loan reading comprehension answers 1 holt mcdougal a call loan reading comprehension answers a memoir of a childhood principles in practice angela s ashes call to freedom grade 8 chapter resources know it notes the miracle worker william langland s piers plowman precalculus with limits to build a fire

[holt mcdougal a call loan reading comprehension answers](#) - Apr 22 2022

web 4 holt mcdougal a call loan reading comprehension answers 2022 11 02 argumentation narrative reflective writing

wikipedia patchwriting collaboration and genres personal financial literacy simon and schuster introduction to business covers the scope and sequence of most introductory business courses the book provides detailed

**holt mcdougal a call loan reading comprehension answers** - May 04 2023

web right site to start getting this info get the holt mcdougal a call loan reading comprehension answers member that we allow here and check out the link you could purchase lead holt mcdougal a call loan reading comprehension answers or get it as soon as feasible you could quickly download this holt mcdougal a call loan reading

**holt mcdougal a call loan reading comprehension answers** - Mar 22 2022

web holt mcdougal a call loan reading comprehension answers 3 3 coverage of the graphing calculator and includes expanded coverage of probability traditional in structure yet modern in approach this text guides students through an intuition based learning process that stresses interpretation and communication of statistical information

*holt mcdougal a call loan reading comprehension answers* - Jun 05 2023

web extraordinary book aptly titled holt mcdougal a call loan reading comprehension answers published by a very acclaimed author immerses readers in a captivating exploration

*holt mcdougal a call loan reading comprehension answers* - Oct 29 2022

web comprehension a call loan answers in pdf format holt mcdougal reading comprehension a call loan answers call loan comprehension holt mcdougal answers free download call loan comprehension holt mcdougal answers pdf epub 1 2call loan comprehension holt mcdougal answersholt mcdougal a call

download free call loan comprehension holt mcdougal answers - Feb 01 2023

web call loan comprehension holt mcdougal answers the common core companion the standards decoded grades 9 12 mar 09 2021 if you re a high school teacher no need to despair jim burke has created a common core companion for you too as your one stop guide across subjects

**holt mcdougal a call loan reading comprehension answers** - Jul 06 2023

web holt mcdougal a call loan reading comprehension answers on blogger since april 2020 profile views 348 my blogs ford focus diesel owners workshop manual pdf rapid video development for trainers how to create learning videos fast and affordably

*holt mcdougal larson pre algebra common core practice* - Mar 02 2023

web find step by step solutions and answers to holt mcdougal larson pre algebra common core practice workbook 9780547614601 as well as thousands of textbooks so you can move forward with confidence

*holt mcdougal a call loan reading comprehension answers* - Aug 07 2023

web holt mcdougal a call loan reading comprehension answers is available in our digital library an online access to it is set as

public so you can get it instantly our digital library spans in multiple countries allowing you to get the most less latency time to download any of our books like this one kindly say the holt mcdougal a call loan

*holt mcdougal a call loan reading comprehension answers* - Dec 31 2022

web it will certainly ease you to see guide holt mcdougal a call loan reading comprehension answers as you such as by searching the title publisher or authors of guide you essentially want you can discover them rapidly in the house workplace or perhaps in your method can be every best area within net connections if you intend to

*holt mcdougal literature language handbook grade 8* - Aug 27 2022

web nov 13 2018 publisher mcdougal littel 1st edition november 13 2018 language english

holt mcdougal a call loan reading comprehension answers - Oct 09 2023

web go unheard however nestled within the pages of holt mcdougal a call loan reading comprehension answers a interesting literary prize sporting with natural emotions lies a fantastic journey waiting to be undertaken written by a talented wordsmith this enchanting opus attracts visitors on an introspective journey softly unraveling the veiled

*holt mcdougal a call loan reading comprehension answers* - Feb 18 2022

web holt mcdougal a call loan reading comprehension answers downloaded from ecobankpayservices ecobank com by guest dillon gates the c version anchor for those who think they know the story of the three little pigs and the big bad wolf here it is as they ve never heard it before in this highly acclaimed laugh out loud collaboration

**holt mcdougal a call loan reading comprehension answers** - Nov 29 2022

web comprehension a call loan answers in pdf format holt mcdougal reading comprehension a call loan answers call loan comprehension holt mcdougal answers free download call loan comprehension holt mcdougal answers pdf epub 1 2call loan comprehension holt mcdougal

*holt mcdougal a call loan reading comprehension answers* - Sep 08 2023

web holt mcdougal a call loan reading comprehension answers 1 holt mcdougal a call loan reading comprehension answers b00h83le66 women principles of lasers svelto solution american history firsthand working primary optimum strategic funding funding solutions chapter and unit tests with answer key holt

*roald dahl comprehension boy tales of childhood* - Jun 24 2022

web feb 22 2018 docx 17 25 kb two comprehension exercises based on the sweet shop and the great mouse plot chapters from the wonderful boy tales of childhood by roald dahl includes the text questions and a mark scheme both passages belong to the extraordinary roald dahl no copyright infringement intended suitable for upper ks2

*roald dahl comprehension revolting rhymes part 1* - May 24 2022

web feb 22 2018 docx 21 06 kb two comprehension exercises based on cinderella and little red riding hood and the wolf

from roald dahl s wonderful collection of revolting rhymes includes the text questions and a mark scheme both poems belong to the extraordinary roald dahl no copyright infringement intended suitable for upper ks2

*a level design and technology product design aqa* - Aug 24 2023

web assessment resources question paper paper 2 designing and making principles june 2022 examiner report paper 2

designing and making principles june 2022 question

[aqa product design 45551 question paper pdf uniport edu](#) - Apr 08 2022

web may 23 2023 aqa product design 45551 question paper 2 5 downloaded from uniport edu ng on may 23 2023 by guest sheetal must ally with her husband in an

**gcse design and technology product design question paper** - Jan 17 2023

web design and technology 45551 product design unit 1 written paper monday 6 june 2011 9 00 am to 11 00 am time allowed 2 hours instructions use black ink or black ball

**aqa product design 45551 paper may books book premium** - May 09 2022

web the aqa product design 45551 paper may is a significant examination paper that assesses students knowledge and understanding of product design principles in this

[aqa product design 45551 paper may copy uniport edu](#) - Oct 02 2021

web jul 22 2023 aqa product design 45551 paper may 1 6 downloaded from uniport edu ng on july 22 2023 by guest aqa product design 45551 paper may yeah reviewing a

*gcse design and technology product design mark scheme* - Dec 16 2022

web mark scheme gce design technology product design 45551 june 2015 general certificate of secondary education design and technology product

*gcse design and technology product design mark scheme* - Oct 14 2022

web design and technology product design 45551 mark scheme 4555 june 2014 waste paper for recycling may be added cut logs are debarked c e a d b 1

**desi nd techn ology product design revision world** - Mar 19 2023

web mark scheme gcse product design 45551 june 2013 5 items may not have included e g logos and conventions such as bar code contents safety symbols image

**aqaproductdesign45551paperanswer full pdf** - Nov 03 2021

web june 2012 design and technology 45551 product design unit 1 written paper friday 25 may 2012 9 00am to 11 00am for this paper you must have a pen a pencil a ruler an eraser a

**gcse design and technology product design question paper** - Apr 20 2023

web gcse design and technology product design question paper unit 01 product design june 2017 author aqa subject gcse design and technology product design

[a level design and technology product design](#) - Jun 10 2022

web design and technology product design 7552 1 paper 1 technical principles friday 5 june 2020 morning time allowed 2 hours 30 minutes for this paper you must

**design and technology 45551 product design alsophigh org uk** - Jul 23 2023

web h jun12 45551 45551 jun124555101 general certificate of secondary education june 2012 design and technology 45551 product design unit 1 written paper friday 25

**aqaa product design 45551 question paper pdf pdf devy ortax** - Jan 05 2022

web our expert author team will help guide you through the requirements of the specification covering the core technical and designing and making principles needed for the 2017

**gcse design and technology product design question paper** - Sep 13 2022

web gcse design and technology product design question paper unit 01 product design june 2013 author aqa subject gcse design and technology product design

**aqaa product design 45551 paper 2022 portal dlc ui edu** - Feb 06 2022

web product design 45551 unit 2 question paper required product design aqa product design 45551 unit 2 question paper required preliminary material for aqa product

**gcse design and technology product design mark scheme** - Nov 15 2022

web unit 1 written paper mark scheme 4555 june 2016 version 1 0 final relevant questions by a panel of subject teachers this mark scheme includes any amendments made at the

**aqaa product design 45551 paper may medair** - Mar 07 2022

web attempt to name gcse design and technology product design mark aqa aqa product design 45551 question paper is available in our digital library an online access

**aqaa product design 45551 paper may pdf uniport edu** - Dec 04 2021

web jul 13 2023 aqa product design 45551 paper may recognizing the mannerism ways to acquire this ebook aqa product design 45551 paper may is additionally useful you

**aqaa gcse product design past papers 10 pdf files past papers** - May 21 2023

web jun 3 2013 aqa product design 45551 paper may pdf download aqa gcse design and technology product design past revise and prepare for exams in gcse design and

**gcse design and technology product design question paper** - Feb 18 2023

web m sem 110182 jun15 e4 45551 jun154555101 general certificate of secondary education june 2015 design and technology 45551 product design unit 1 written

**gcse design and technology product design mark scheme** - Jun 22 2023

web 4555 june 2017 version 1 0 final mark scheme gcse design and technology short course 45751 june 17 mark schemes are prepared by the lead

**gcse design and technology product design question paper** - Aug 12 2022

web gcse design and technology product design question paper unit 01 product design june 2016 author aqa subject gcse design and technology product design

**gcse design and technology graphic products mark scheme** - Jul 11 2022

web mark scheme general certificate of secondary education design and technology product design 45551 june 2012 4 a 2d net development of the packaging