

2011, CHINT Supplied & Installed Products List In Malaysia



Air Circuit Breaker
630A to 6300A 3P/4P

Installed 450 units

2 Years Warranty!

All CHINT MCCB
Products Are Laser Printed Labels

Fully
Local
Authority
Approval

Installed 55,000 units
Moulded Case Circuit Breaker



Installed 55,000 units
Residual Current
Circuit Breaker



Installed 600,000 units

Miniature Circuit Breaker



Installed 120,000 units

Contactors & Thermal
Overload Relay

Quality Products
From
German Technology



Active Filter



PQ Measuring
Equipment



TSM-HV50



Intelligent
Regulator



Reactor



AC-6b Contactor



Pole Cap



ASTROnergy

A Leading Global Photovoltaic Manufacturer

A CHINT COMPANY

Provide Quality Products from Solar Modules,
Grid-Tie Inverters to Solar Street Light



Mono-Crystalline • Thin-Film • Poly-Crystalline

10 Years Product & 25 Years Performance Warranty



EPOWER METER

Deliver Quality Customized Product



← ECM-903 / 901
Multifunction Energy Meter

ECM-700 →
Multifunction Power Meter



← ECM-625
Multifunction Panel Meter



ECM-725 →
Multifunction Power



ALPHA AUTOMATION (SEL) SDN BHD (372711-D)

No. 5, Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie, 40150, Selangor Darul Ehsan.

Website: www.alphasel.com / Email: alphamail@alphakl.com / Tel: +603-5569 3698 / Fax: +603 - 5569 4099 / 5569 3749

Switch on to best choice...

**12 Years
Warranty !**

British ranges

NEW 7G Series



A slim, trim profile, pleasing to the eye, clean and refined, NEW7 and NEW7G series is a concise movement that perfectly complements the modern lifestyle. Inspired by the simple, elegant minimalism of the supremely influential primitive simplicity movement, every piece in this robustly constructed range expresses a pleasing form following function.

Unmarred by visible fastenings, the sleek clean fluent lines present a cool refined touch of style to almost any interior. Makes the word of Central Asia and Arabia known so much.

Standard switches Technical Specifications

Standard(s): IEC60669
Rating: 250V AC, 50HZ, 10A
Switch type: Single pole (Cat.027, 029 DP switch 20A)
Fixing centers: 60mm
Working temperature: -20°C~50°C
Applies: Suits Cat. NEH1-001A Flush box.

Standard sockets Technical Specifications

Standard(s): BS1363
Rating: 250VAC, 50HZ, 13A, 5A, 15A
socket type: Single pole
Fixing centers: 60mm
Working temperature: -20°C~50°C
Applies: Suits Cat. NEH1-001A Flush box.



AIRPORT - CONDOMINIUM - COURT - FACTORY
HOTEL - HOSPITAL - GOVERNMENT BUILDING
MUSEUM - MILITARY BASE - RAILWAY STATION
OFFICE BUILDING - SHOPPING CENTER - STADIUM
TV STATION - UNIVERSITY AND ETC.

CHINT

ALPHA CHINT SWITCHES SDN BHD (952175-T)

5, Jalan Pemberita U1/49, Temasya Industrial Park, Glenmarie, 40150 Shah Alam, Selangor, Malaysia.
Tel: 603-5569 3698 / Fax: 603-55694099 / Email: alphamail@alphakl.com / Website: www.alphasel.com



Multifunction Power Meter

- Up to 60 Electrical Parameters measurements
- RS485 communication (Modbus Protocol)
- 2 pulse output
- Optional plug in module
(Harmonics, Digital Input, Analogue & Relay Output, Data Storage, Profibus Communication, Ethernet Communication)



Analogue Meters

- Moving iron meter
- Moving coil rectifier meters
- Moving coil meters
- Maximum demand meters
- Synchroscope meters
- Power factor meters
- Frequency meters
- Process indicators, etc.



Metering Products



One Stop Energy Billing & Energy Monitoring Solutions & Systems

- Remote Automatic Meter Reading
- Postpayment & Prepayment Metering System
- Energy Monitoring & Management System

Press Conference

TEEAM organised a press conference on electrical safety on 10th September 2011. The items highlighted to the Press are three very important electrical devices. The quality of these devices is very crucial to ensure the safety of the users. Failure of these devices may cause fire, injury or even death. These items are plug tops, portable socket outlets & RCCBs. The Energy Commission – Suruhanjaya Tenaga (ST) has categorised these devices under “controlled items”. Manufacturing, importing and/or selling of these devices must first get the approval from ST.

Plug tops (13A & 15A)

- Must comply with MS589-1
- Must be tested by SIRIM or any approved lab by ST
- Must be approved by ST
- Must carry SIRIM sticker
- Line & neutral pins must only be made of brass
 - i. Most of the sub-standard products are using copper coated aluminum or steel. These materials will not be able to withstand the full load current and will easily be overheated and subsequently burn the socket.
- The plug body must be made of fire retardant material

- i. Some of the sub-standard products are using combustible plastic

Extension cords & portable socket outlets

- Must comply with MS589-2
- Must be tested by SIRIM or any approved lab by ST
- Must be approved by ST
- Must carry SIRIM sticker on its plug top & socket outlet
- The cable must be printed with SIRIM or CB scheme approval
- If the plug is rated at 13A & fixed with a 13A fuse, the cable/cord size must be at least 1.25mm²
 - i. Those unapproved products will normally use smaller cable sizes and will easily be overheated and burn at full load.

Residual Current Operated Circuit Breakers (RCCB)

This device is very important in any electrical installation to prevent against fire & electrocution. This is our last defense, should all other protection fail to function RCCB must operate to disconnect the power supply and ensure safety. A 100mA current for one second is enough to kill a person.

- Must comply with MS-IEC61008
- Must be tested by SIRIM or any approved lab by ST
- Must be approved by ST

- Must carry SIRIM sticker
- Installation rules:
 - i. Rated residual tripping current (sensitivity)
 - 1. 100mA for general circuit
 - 2. 30mA for socket outlets
 - 3. 10mA for any water feature (eg. water heater)
- Guide & recommendations:
 - i. Check the sensitivity rating. Please change immediately should it be of 300mA (this is illegal for domestic installation)
 - ii. Press the test button. Please change immediately should it fail to trip. Recommended to test monthly or at least 4 times a year.
 - iii. If you have installed a water heater, please install another RCCB with 10mA sensitivity.
 - iv. You may install a split or double RCCB system for lightings and sockets for better protection. A 100mA for lightings and 30mA for sockets.

The price guide for RCCB is as follows:

- i) 10mA, 16A, 1 phase between RM120 to RM150
- ii) 30mA, 63A, 1 phase between RM100 to RM130
- iii) 100mA, 63A, 1 phase between RM70 to RM90



Issue on electrical safety – TEEAM showing samples to the Press.



Attentive – Questions on extension cord & portable socket outlet.



AFECC/FAPECA Conference & Meeting 2012

3rd to 6th June 2012
Hong Kong



The Asean Federation of Electrical Engineering Contractors (AFECC) and the Federation of Asian Pacific Electrical Contractors Associations (FAPECA) Conference and Meeting for 2012 will be held from 3rd to 6th June 2012 in Hong Kong. The AFECC/FAPECA conference and meeting provide greater understanding of current issues, participate in open discussion and identify trends that will impact the electrical construction industry. This year's conference theme is “Human Resource Issues in the Electrical Contracting Industry”.

The event is hosted by the Hong Kong Electrical Contractors Association (HKECA) and is expected to draw delegates from Australia, Indonesia, Japan, Hawaii, Hong Kong, Korea Malaysia, Mexico, New Zealand, Philippines, Singapore, Taiwan, Thailand, United States and Vietnam.

Tentative programme:

- 3rd June 2012 Morning departure. Sight-seeing in the afternoon.
- 4th June 2012 Morning attend opening of Build4 Asia Exhibition. Afternoon attend AFECC/FAPECA Conference. Evening attend welcome dinner.
- 5th June 2012 Morning attend AFECC Council Meeting & FAPECA Executive Board Meeting. Evening attend farewell dinner.
- 6th June 2012 Afternoon departure for home. Delegates can opt to extend to Guangzhou Lighting Exhibition.

Please contact the TEEAM Secretariat for details and registration.
Tel: +603-9221 4417, 9221 2091 Fax: +603-9221 8212
E-mail: teeam@streamyx.com / teeam52@gmail.com



FULBAN SDN BHD

(278027-T)

KL Branch:
No. 37, Jalan Kuchai Maju 6, Kuchai
Entrepreneur's Park, 58200 Kuala Lumpur.
Tel: 03-7971 4357
Fax: 03-7984 2368
Email: fulban@unifi.my

Kuching Branch :
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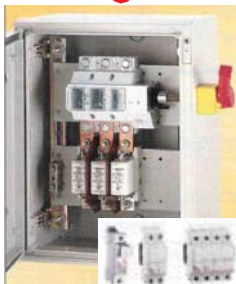


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HAWKE International



Cable Glands

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Batteries

KERPEN cable engineering



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STAHL R.STAHL



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COOPER Crouse-Hinds

CEAG



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Products

TOSHIBA LIGHTING

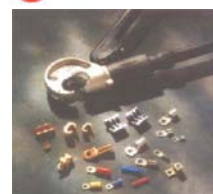


Toshiba Lamps



Philips
Fluorescent tubes, Bulbs
Son ballast, Sodium lamp

BURNDY



Connector for electrical
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CEGASA INTERNATIONAL



Drycell batteries

Draka



Draka Cables

SIEMENS



Siemens Motors /
Drives

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Bussman Fuses

Pharos Marine Automatic Power



Pharos Marine Navigation
AIDS ,etc...

FLUKE



Multimeter /
Combo Kit

Fellowship Gathering

Some 42 members attended a fellowship gathering held on 16th December 2011 at TEEAM. Members enjoyed karaoke singing, free flow of beer, satays and light refreshment. New members were specially invited to help them broaden their business network. For this session, TEEAM invited a speaker from Mastery Asia to give an investment talk. The topic was on “How to Gain Rental from the Stock Market”. It was informative and members had enjoyed the gathering.



Talk on Investment – Members listening attentively.



Friendship – TEEAM officials building friendship with officials from Mastery Asia.



Networking – (from left) Mr Stan Lim Hui Ming (TEEAM Council Member), Mr C Y Sin (Scadatech Engineering), Ms Cannie Lee (Scadatech Engineering) and Mr Chong Yoon Koon (TEEAM Council Member).



Ir Chang Yew Cheong (TEEAM Membership Recruitment Chairman) giving his welcome speech.



Mr Fong Mun Loon (TEEAM Council Member).



Cheers – (from left) Mr Gary Choo (Universal Optic Electronics), Ir Chang Yew Cheong (TEEAM Membership Recruitment Chairman), Ir Chin Kuan Hwa (Syarikat Elektrik Chee Lee), Mr James Ngun (Speed Drives & Automation), Mr Anthony Ng Mun Sun (M.I.T Academy) and Mr Jack Soon Lee Hock (TEEAM Assistant Honorary Secretary).



For the album – (from right) Ms Sherly Cheong (TEEAM Staff), Mr Ho Khai Hong (TEEAM Honorary Secretary), Ms Clover Tay (TEEAM Staff), Mr Charles Lee Wai Chiew (TEEAM Membership Recruitment Committee Member), Mr How Chee Seng (TEEAM Membership Recruitment Committee Member) and Professor Jussi Parkkinen (Monash University Sunway Campus).



“Talented singers” – TEEAM officials belting a number.



Mr Charles Lee Wai Chiew (TEEAM Membership Recruitment Committee Member).



TEEAM Membership Recruitment Committee Members (left) Mr Jack Soon Lee Hock & Mr William Young Chee Keong.



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***5 Years Guarantee**

**Protection Against Case Rupture
Even without series reactor
in HIGH HARMONIC distortion conditions**



** Model-RG2 only
(Low Voltage Capacitor)*

Proven “Long Life Expenctancy” > 10 years

Epson Toyocom, Taiyo Uden, Penfibre, Hospital Besar, New Strait Times, Telekom Exchange, NSCC Compound, Mid-valley, Jaya Jusco, Western Digital, P.U.B.Johor River, Mines Mall, Kaneka, Maltrad, Sirim, UiTM, Mimos, Ajinomoto, SamLing Plywood Factory, Wisma UOA, Lot 10, etc.



Wise Pro Sdn Bhd (NO.381055P)

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Tel: 03-5882 9511/7511/6511 Fax: 03-5882 6994

E-mail : wisepro@streamyx.com



Automatic Transfer Switch (ATS) with Smart Transfer Controller



	Open Transition Without "OFF" position	Open Transition With or Without "OFF" position	HIGH SPEED Open Transition With "Sync Check" feature	Close Transition With "Sync check" feature
ATS 2 pole, 3 pole, and 4 pole				
Aichi	W2/WN	WN	HPTS	WP
VITZRO TECH	W/WN	WN	-	CTTS
Transfer speed	≥ 55ms	Delay adjustable	≤ 20 ms *To CBEMA/ITIC Curve	7-50ms

**For Data Centre Application - Parallel Redundancy.*

- Heavy duty construction with Sophisticated controller
- Double-throw mechanism for dedicated source switching
- Solenoid operated for quick transfer
- Inherent mechanical interlock
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- High Electrical operation
- High Mechanical operation
- High withstand short time current ratings



Wise Pro Sdn Bhd (NO.381055P)

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Tel: 03-5882 9511/7511/6511 Fax: 03-5882 6994

E-mail : wisepro@streamyx.com

Academic Excellence & Vocational Training Awards

Well done! Recipients of the prestigious TEEAM academic excellence awards were recognised for their outstanding performance in the 2010 public examinations. A ceremony was organised on 10th September 2011. The awards were presented to the winners by TEEAM President, Engr Fu Wing Hoong and accompanied by Academic Excellence Awards Chairman, Mr Leonard Choong Kin Loong.

Beside academic excellence awards, book prizes and vocational training awards were also presented. The number and category of awards given are:

- 8 for UPSR
- 11 for PMR
- 7 for SPM
- 18 for Book prizes
- 2 for Building wiring installer training

It was a proud day for all the recipients. A group photograph and light refreshment capped off the event.



***Congratulations** – Hurray!!! We did it together.*



***Joyous moment** – SPM recipient, Liew Tzi-Qing posing with her parents, Mr & Mrs Liew Yew Choy (TEEAM Sports Committee Member) and her siblings.*



***Show of appreciation** – Children giving their parents a warm hug for their support.*



***Proud day** – Academic awards and book prizes recipients with TEEAM officials.*

..... Continue Academic Excellence & Vocational Training Awards



High achievers – SPM recipient, Eugene Leong Eu Jun posing with his proud father, Mr Eric Leong and younger brother, Nicholas.



Good job – SPM recipient, Looi Yen-Ling posing with her parents, Mr and Mrs Looi Wan Teik.



Top trainee of BWI course – Yap Beng Chye receiving an award from (right) Engr Fu Wing Hoong (TEEAM President). Looking on is Mr Leonard Choong Kin Loong (TEEAM Academic Excellence Awards Chairman).



PMR recipient – Aida Syafinaz Zainuddin receiving an award from (right) Engr Fu Wing Hoong (TEEAM President). On the left is Mr Leonard Choong Kin Loong (TEEAM Academic Excellence Awards Chairman).



Happy family – PMR recipient, Lim Jun Hong with his proud family.



Well done - PMR recipient, Aida Syafinaz Zainuddin posing with her family.



UPSR recipient – Candrika Thiyagu with her proud father.



I did it! – PMR recipient, Kishen Kumar Chandrasekaran posing with his happy parents.



PMR recipient – Sangeetha Supramaniam receiving an award from (right) Engr Fu Wing Hoong (TEEAM President). Looking on is Mr Leonard Choong Kin Loong (TEEAM Academic Excellence Awards Chairman).

LIGHTING & TRANSFORMERS

Success Electronics & Transformer Manufacturer (SUCCESS) is a well known lighting and low-voltage transformer manufacturer based in Malaysia, with the ISO9001:2008 accreditation. The company was established since 1980.

SUCCESS is the specialist in both lighting and transformers, in which the expertise lies in the design, integration, manufacture and supply of the premium quality products.

In the area of lighting profession, Success is able to provide comprehensive lighting design simulations for the customers, according to the customers' specific needs. The experienced lighting team can create the lighting simulation design to the customers as part of the pre-sales services.

NIKKON®

Light Up The World



COPA Highbay

(Energy Efficient Lighting Solutions for Warehouse, Retail, Gymnasiums, Exhibition Halls, Production Areas)



T5 Highbay



LED Highbay



Solar LED Street Lantern



LED Floodlight



LED Downlight



Snowball



MR16

LED Lamps

Success Electronics & Transformer Manufacturer Sdn Bhd (200853-K)

A wholly owned subsidiary of Success Transformer Corporation Berhad.

No. 3, 5, & 7 Jalan TSB 8, Taman Industri Sungai Buloh, 47000 Sungai Buloh, Selangor Darul Ehsan, West Malaysia.

T 603-6157 2788 / 2785 / 2787 **F** 603-6157 2722 / 2723 **E** ses@success.com.my



ISO9001

The lighting laboratory is well equipped with high-end facilities enabling the team to fully test all the lighting products, including the energy efficient lighting in order to comply with the GREEN ENERGY product category standard. The company is moving towards renewable energy and energy efficient lighting products, such as solar and LED lightings.

Looking into the power products segment, Success is capable of producing power transformers up to 2MVA using the most advanced production technology. The products are designed and developed by experienced engineers. SUCCESS serves the clients by providing professional expertise. The workforce comprises professionals in their respective fields, who never hesitate to go the extra mile to exceed the customers' expectations.

No matter what your lighting and power needs, SUCCESS can assist you to select the best and most cost-effective solutions.



Power Transformer



QPS[®]

Trusted Brand In Transformers



Inductor



Automatic
Voltage
Stabilizer



Detuned Harmonic Circuit Filter Reactor



Other product range:

- Isolation Transformer
- K-factor Transformer
- UPS Transformer
- Marine Transformer
- Automatic Voltage Stabilizer
- SES Current Transformer (ASTA)



Recipients of Academic Excellence/Vocational Training Awards & Book Prizes 2011

UPSR (RM 100.00)

Aiman Shakira Bt Dahari

(Hager Engineering (M) Sdn Bhd)
Result : 5As in BM Pemahaman, BM
Penulisan, E, M & S
Age : 13 Years
Ambition : Academician
Interest/Hobby: Reading



Candrika A/P Thiyagu

(ACEI Systems Sdn Bhd)
Result : 5As in BM Pemahaman, BM
Penulisan, E, M & S
Age : 13 Years
Ambition : Scientist
Interest/Hobby: Reading, Swimming



Koo Yan Hui

(Originex Electric Sdn Bhd)
Result : 7As in BM Pemahaman, BM
Penulisan, E, BC Pemahaman, BC
Penulisan, M & S
Age : 13years
Ambition : Chief Manager
Interest/Hobby: Playing Badminton



Lee Soo Yin

(Perniagaan Elektrik Sin Len Hup (Sel) Sdn Bhd)
Result : 7As in BM Pemahaman, BM
Penulisan, E, BC Pemahaman, BC
Penulisan, M & S
Age : 13years
Ambition : Interior Designer
Interest/Hobby: Drawing, Reading & Chatting



Lim Shu Li

(Sin Lian Wah Lighting Sdn Bhd)
Result : 7As in BM Pemahaman, BM
Penulisan, E, BC Pemahaman, BC
Penulisan, M & S
Age : 13years
Ambition : Teacher
Interest/Hobby: Reading



Lim Yan Li Aileen

(Leader Cable Industry Berhad)
Result : 7As in BM Pemahaman, BM
Penulisan, E, BC Pemahaman, BC
Penulisan, M & S
Age : 13years
Ambition : Doctor
Interest/Hobby: Music



Siew Yue Qian

(Syarikat Petaling Letrik (Klang) Sdn Bhd)
Result : 7As in BM Pemahaman, BM
Penulisan, E, BC Pemahaman, BC
Penulisan, M & S
Age : 13years
Ambition : Scientist
Interest/Hobby: Drawing, Reading



Siti Nur Adawiyah Binti Khairul Akmal

(Leader Cable Industry Berhad)
Result : 5As in BM Pemahaman, BM
Penulisan, E, M & S
Age : 13 Years
Ambition : Doctor
Interest/Hobby: Reading



*Note: BM – Bahasa Malaysia
BC – Bahasa Cina
E, M, S – English, Mathematics & Science*

PMR (RM 200.00)

Aida Syafinaz Bte Zainuddin

(EWT Transformer Sdn Bhd)
Result : 8As & Excellent in 5 Projects
Age : 16 Years
Ambition : Medical Officer
Interest/Hobby: Reading



Chong Soo Sun

(Kitlite Letrik Sdn Bhd)
Result : 7As & Excellent in 4 Projects
Age : 16 Years
Ambition : Medical Officer
Interest/Hobby: Reading



Kishen Kumar A/L Chandrasekaran

(Terasaki Electric (M) Sdn Bhd)
Result : 7As & Excellent in 4 Projects
Age : 16 Years
Ambition : Doctor
Interest/Hobby: Playing Tennis



Lau Jia Yi

(Telelink Electrical Engineering)
Result : 7As & Excellent in 4 Projects
Age : 16 Years
Ambition : Physiologist
Interest/Hobby: Reading and Swimming



Lim Jian Yi Andrew

(Leader Cable Industry Berhad)
Result : 8As & Excellent in 4 Projects
Age : 16 Years
Ambition : Doctor
Interest/Hobby: Music, Badminton, Basketball



Lim Jun Hong

(Yuan Ming Electric Sdn Bhd)
Result : 8As & Excellent in 4 Projects
Age : 16 Years
Ambition : Engineer
Interest/Hobby: Sports



..... Continue Recipients of Academic Excellence/Vocational Training Awards & Book Prizes 2011

Muhammad Ashraf B. Dahari

(Hager Engineering (M) Sdn Bhd)

Result : 8As & Excellent in 5 Projects

Age : 16 Years

Ambition : Aerospace Engineer

Interest/ Hobby: Computer Programming



Ooi Siew Hooi

(Y2K Electric (M) Sdn Bhd)

Result : 8As & Excellent in 4 Projects

Age : 16 Years

Ambition : Lawyer

Interest/ Hobby: Reading & Badminton



Sangeetha A/P Supramaniam

(Khind Electrical (M) Sdn Bhd)

Result : 7As & Excellent in 4 Projects

Age : 16 Years

Ambition : Lawyer

Interest/Hobby: Swimming, Chess, Painting, Golf



Sophia Liew Yii Lin

(Nurasakti Corporation Sdn Bhd)

Result : 7As & Excellent in 4 Projects

Age : 16 Years

Ambition : Lawyer

Interest/Hobby: Singing, Travelling, Dancing



Yap Zoe

(Chi-Tak Electrical (J. B.) Sdn Bhd)

Result : 8As & Excellent in 4 Projects

Age : 16 Years

Ambition : Psychologist

Interest/Hobby: Reading



SPM (RM500.00)

Looi Yen-Ling

(Autovation Sdn Bhd)

Result : 8-A+, 1-A, 1-A-, 1-1A

Age : 18 Years

Ambition : Business Woman

Interest/Hobby: Reading, Travelling



SPM (RM 450.00)

Sam Zhen Yang

(Wintrad Industries Sdn Bhd)

Result : 7-A+, 3-A, 1-3B

Age : 18 Years

Ambition : Finance Manager

Interest/Hobby: Badminton, Swimming



Puah Shu Ting

(TEEAM Executive Secretary, Winnie Khong)

Result : 7-A+, 2-A, 1-A-, 1-1A

Age : 18 Years

Ambition : Pharmacist

Interest/Hobby: Dancing & Reading



SPM (RM 400.00)

Gan Chi Kang

(Soonlite Electrical Trading Sdn Bhd)

Result : 6-A+, 3-A, 2-A-, 1-5C

Age : 18 Years

Ambition : Pharmacist

Interest/Hobby: Reading



SPM (RM 350.00)

Liew Tzi-Qing

(Stantric Sdn Bhd)

Result : 5-A+, 5-A, 2-A-, 1-1A

Age : 18 Years

Ambition : Speech Therapist

Interest/Hobby: Playing Basketball, Drawing



Mah Chee Cherng

(See Kwong Electric Co. Sdn Bhd)

Result : 5-A+, 4-A, 1-A-, 1-B+, 1-3B

Age : 18 Years

Ambition : Accountant

Interest/ Hobby: Reading



Eugene Leong Eu Jun

(Lightcast Sdn Bhd)

Result : 5-A+, 3-A, 1-A-, 1-1A

Age : 18 Years

Ambition : Mechanical Engineering

Interest/Hobby: Playing Guitar, Singing

& Computer Surfing



Book Prizes 2011 (RM 200.00)

University of Malaya

Electrical

Yon Hao Ren - 2nd year

Ng Wee Lit - 3rd year

Telecommunication

Tan Kah Mei - 2nd year

Tan Choon Sean - 3rd year

University of Science Malaysia

Electrical

Ting Siong Wei - 2nd year

Afifah Liyana Athirah Azizan - 3rd year

Electronic

Ho Yoke Keong - 2nd year

Ong Nai Fook - 3rd year

Mechatronics Engineering

Tan Wan Chien - 2nd year

Ong Lien Pin - 3rd year

University of Technology Malaysia

Electrical

Tan Kar Guan - 2nd year

Muhamad Tarmizi Azmi - 3rd year

Electronics Engineering

Lim Sy Ai - 2nd year

Siti Noradhlia Mohamad Tukijan - 3rd year

University of Tunku Abdul Rahman

Electrical & Electronics Engineering

Lim Khim Yan - 2nd year

Chung Ka Siew - 3rd year

Mechatronics Engineering

Tee Kian Hong - 2nd year

Tan Chit Zhung - 3rd year

Vocational Training Awards 2011

CIDB BWI 019 (RM 300.00)

Tan Jun Yan

CIDB BWI 020 (RM 300.00)

Yap Beng Chye

Green Innovators of Innovation



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LSIS introduces an extensive line of automation, control and power distribution products - all designed, manufactured and tested with cutting edge technology to meet extreme environmental conditions and global specification requirements.



Product Overview

LSIS has been the market leader for industrial control and automation products in Korea for decades and is now offering these advanced technology products in North America. For information on their complete line of PLCs, AC Inverter drives, HMIs, Motor Control or Switchgear products, please contact one of our authorized distributors listed below or visit our website at eng.lsis.biz



Contactors & Breakers



AC Drives



PLC & HMI

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LSIS



SUN POWER SYSTEM SDN BHD

Leader In Electrics & Automation

Power Transmission & Distribution

LS Cast Resin Transformer



**Capacity (KVA)
Single Phase
20 ~ 2,000KVA**

**Capacity (KVA)
Three Phase
50 ~ 8,000KVA**



**Rated Voltage: Up to 36kV
Rated Frequency: 50, 60 Hz
Conductor: Copper,
Aluminum
Insulation Class: B, F, H**



**Applicable standards:
IEC60076 – 11
ANSIC57.12.01**



**% Impedance Voltage ANSI Standard 5.75%
(Others are available by request) IEC Standard 4 ~ 6.00%**

Authorized Distributor

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Tel: 603-615 77 555 Fax: 603-615 77 666 E-mail: sun_power_system@yahoo.com





旺電器木料有限公司

(6943-D)

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(Pg) Sdn. Bhd. (30263-T)
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10150 Pulau Pinang
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Golf Competition

The much anticipated annual golf competition was held on 8th September 2011 at Staffield Golf & Country Resort. A total of 132 golfers participated. The game went on smoothly under fine sunny weather. It was a good platform for networking and renewed acquaintance.

The list of winners and sponsors appears on page 81 and 83.



For the album – (2nd from left) Mr Wai Kok Chin (TEEAM Sports Committee Member) with his flight members from left Mr Alvin Choi, Mr Jason Choong and Mr Vincent Lai.



Happy game – (2nd from left) Mr Liang Kok Boon (TEEAM Sports Chairman) with his flight members from left Mr Mak Chee Meng, Mr Lam Kim Hoong and Mr Michael Chang.



Hole in one – Golfers are trying to create a miracle. Prize is a Proton Saga car.



VIP flight – (from left) Engr Fu Wing Hoong (TEEAM President), Mr Woo Soo Poo (PES President), Mr Chan Kaim Sam (PEA Deputy President) and Mr Leong Kam Meng (JBEEA Chairman).



At the green – (2nd from right) Mr Liew Yew Choy (TEEAM Sports Committee Member) posing with his flight members from left Mr Soh Chean Seng, Mr Liew Thong and Mr Beh Eng Lai.



Golfers with bon-bon girls – (centre) Mr Fong Mun Loon (TEEAM Council Member) together with other golfers (left) Mr Chua Poh Aik and Mr Tony Lai posing with the bon-bon girls.



Enthusiastic golfers – A group photo taken before the game.



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.....Continue Golf Competition



Taking a break – Golfers enjoyed drinks and snacks sponsored by Fuji Electric.



Happy ending – TEEAM officials posing with all winners.



Lucky draw – (right) Mr Liang Kok Boon (TEEAM Sports Chairman) presenting two dozens of golf balls to lucky winner, Mr Chong Chee Siang.



Winners of the year – (from left) Mr Fong Mun Loon, Mr Fung Swee Yen and Mr Ishak Omar.



Overall Gross Champion – (left) Mr Fung Swee Yen (PLK Electrical Accessories Manufacturer) received trophies from Engr Fu Wing Hoong (TEEAM President).



B Medal Special Prize for Best Gross – (left) Mr Leong Kam Meng (JBEEA Chairman) presenting a trophy from Engr Fu Wing Hoong (TEEAM President). Mr Leong was also Nett 1st runner-up.



Overall Nett Champion – (left) Mr Fong Mun Loon (Letrik P J Union) receiving trophies from Engr Fu Wing Hoong (TEEAM President).



B-Medal Nett Champion – (left) Mr Ishak Omar receiving a trophy from Engr Fu Wing Hoong (TEEAM President).



Congratulations – (right) Ir Steven Ng Khoon Hwa (TEEAM Deputy President) presenting an electric thermo pot to nett B medal winner, Mr Tony Wong.



Well done – (left) Mr Ho Khai Hong (TEEAM Honorary Secretary) presented a stand fan to NTL winner, Mr Jack Soon Lee Hock.



Exciting – (left) Mr David Chong Ah Nyap (TEEAM Vice President) congratulating nett A medal winner, Mr Lam Kim Hong.

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Golf Competition Winners

A Medal

GROSS

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2nd Prize:
Albert Koh
Trophy + Sony 32" LCD TV

3rd Prize:
Seow Nam Seng
Trophy + Philips Home Theatre System

NETT

Nett Champion:
Fong Mun Loon
Trophy + Hitachi 42" LCD TV

2nd Prize:
Ng Yong Huat
Trophy + Sony 32" LCD TV

3rd Prize:
Eddie Foo
Trophy + Philips Home Theatre System

4th Prize:
Denis Wong Cheong Pang
Maruman Golf Bag + 1 Dozen Golf Ball

5th Prize:
Lim Chee Chuan
Maruman Golf Bag + 1 Dozen Golf Ball

6th Prize:
Sum Chan Hoong
Maruman Golf Bag + 1 Dozen Golf Ball

7th Prize:
Beh Eng Lai
Electrolux Microwave Oven

8th Prize:
Lam Kim Hong
Coleman Cooler Box

9th Prize:
Yap Cheng Lim
KDK Stand Fan

10th Prize:
C. M. Tan
Camel Backpack Bag

B Medal

Special Prize for Best Gross:
Leong Kam Meng
Trophy

NETT

Nett Champion
Ishak Omar
Trophy + Hitachi 42" LCD TV

2nd Prize:
Leong Kam Meng
Trophy + Sony 32" LCD TV

3rd Prize:
Tony Tan
Trophy + Philips Home Theatre System

4th Prize:
Wong Kian Nyak
Maruman Golf Bag + 1 Dozen Golf Ball

5th Prize:
Leong Kim Sun
Maruman Golf Bag + 1 Dozen Golf Ball

6th Prize:
Fong Yoke Kong
Maruman Golf Bag + 1 Dozen Golf Ball

7th Prize:
Chuo Puo Aik
Electrolux Microwave Oven

8th Prize:
Gary Wong
Coleman Cooler Box

9th Prize:
Clement Teo
KDK Stand Fan

10th Prize:
Heng Tong Suah
Camel Backpack Bag

11th Prize:
Tong Wong
Pensonic Electric Thermopot

12th Prize:
Chiew Kok Inn
Elba Electric Oven

Novelty Event

NTP (Southern Hole 2):
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KDK Stand Fan

NTP (Northern Hole 4):
Wong Kon Loong
KDK Stand Fan

NTL (Southern Hole 6):
Lim Chee Chuan
KDK Stand Fan

NTL (Northern Hole 3):
Jack Soon
KDK Stand Fan

Longest Drive & Wooden Spoon

Longest Drive (Southern Hole 6)
Cheong Pak Fatt
Maruman Golf Bag

Longest Drive (Northern Hole 3)
Eddie Foo
Maruman Golf Bag

Wooden Spoon (A Medal)
2nd Last:
Scott Seow
DVD on Golf Lessons + Philips DVD
Player + Wooden Spoon

Wooden Spoon (B Medal)
2nd Last:
Ng Kam Weng
DVD on Golf Lessons + Philips DVD
Player + Wooden Spoon

Overall Gross Champion

Fung Swee Yen
EITA - FURUTEC Challenge Trophy

Overall Nett Champion

Fong Mun Loon
TEEAM Challenge Trophy



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Thanks to Our Golf Sponsors

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State Associations News



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PEMA – TNB Pulau Pinang Dialogue

In these trying economic times, electrical contractors obviously need all the help they can get. It is with this in mind that the PEMA Contractors Committee under Mr Lee Boon Hoe had arranged two dialogues with TNB Pulau Pinang to discuss and resolve issues pertaining to the electrical industry. The first dialogue of the year was held on 17th March 2011 while the second was on 11th October 2011.

The recent dialogue on 11th October 2011 between TNB Pulau Pinang and PEMA was held at TNB Conference room, TNB Building, Penang. The PEMA delegation which comprised 8 officials was led by President, Mr Teoh Yew Yean. General Manager of TNB Pulau Pinang, Ir Abdul Abdul Aziz Jaafar and 9 senior officials received the PEMA delegation.

There were 5 items in the agenda for discussion i.e. requirement of coloured metering control/power cable, charges of location for calibration of HV metering CT, submission of form A prior to payment of project contributions fee, minimum load requirement to provide a TNB substation, and submission of e-application by developers.

It was a very fruitful dialogue as many issues were resolved on the spot while TNB would look at ways to prevent these problems from recurring. The dialogue has also been accredited with 5 CCD points by CIDB Penang. A sumptuous lunch was hosted by PEMA.



Attentive – Dialogue in progress.

PEMA Walkathon 2011

The PEMA Recreation Committee headed by Mr Lim Kim San organised a walkathon to the Air Itam dam on 6th November 2011. The walkathon was participated by 200 people consisting of PEMA members, advisors, trustees and members' families and employees. The objectives were to foster closer relationship, instill health consciousness, have fun, meeting people and promote our cause for a greener, cleaner and healthier lifestyle. There were T shirts and goodies for all participants and attractive lucky draw prizes for the lucky ones. It was a joyous occasion where all mingled in the spirit of PEMA sportsmanship.



Overwhelming response – Group photo of participants.

Networking Dinner and Courtesy Visit to CIDB Penang

On 12th September 2011, CIDB Pulau Pinang invited PEMA President, Mr Teoh Yew Yean and Council Member, Mr Ooi Kok Kee to a dinner at Restoran Seri Idaman, Batu Maung, Penang. The dinner was attended by CIDB Chairman and CEO, Dato' Sri Ir Dr Judin Abdul Karim. Both sides exchanged views of mutual interest.

Later on 22nd September 2011, a 7-member delegation led by PEMA President, Mr Teoh Yew Yean paid a courtesy visit to Ir Raslim Salleh, Director of CIDB Pulau Pinang. During the visit, Mr Teoh introduced the delegation to the State Director and CIDB officials. After the introduction, Ir Raslim proceeded to brief the delegation on the CIDB structure and 10-year Master Plan from 2006 to 2015. He said that it is a comprehensive plan charting the strategic position and future direction of the Malaysian construction industry. He also briefed the delegation on the requirement and procedure of registration of contractors and workers, training available and the continuous contractors development programme (CCD). Some of the PEMA activities and problems were highlighted during the visit.



For the album – Snapshot after the meeting.

PEMA Charity Golf Tournament

The PEMA Charity Golf Tournament 2011 was successfully held at the Penang Golf Resort Bhd, Bertam on 18th September 2011. There was a total of 19 flights with 76 golfers in this year's tournament. There was overwhelming response towards PEMA's drive for sponsorship and donation which contributed more than RM81,500.00. The nett proceeds from the tournament will go to the PEMA Education Fund to be used to provide financial aids, annual grants/gifts to PEMA members' children who have achieved excellent results in their government examinations or are pursuing tertiary education.

A big thank you was recorded to the generous sponsors as well as to Co-Chairmen of the tournament, Mr Teoh Yew Yean, Mr Ooi Kok Kee, Mr Lee Kuan Meng and Mr Chee Soon Chin for ensuring that the tournament was smoothly organised.



Congratulations – Golf winner receiving a trophy from (right) PEMA President, Mr Teoh Yew Yean.

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SESB 2011 Vendor Day

PES was invited by SESB (Sabah Electricity Sdn Bhd) to be Vice Chairman of the SESB 2011 Vendor Day Organising Committee. Several meetings were held prior to the event dates on 24th and 25th of October 2011 with its venue set at Wisma SESB. It was officiated by Guest of Honour, YB Datuk Raymond Tan, Minister of Industry Development Sabah. Over 40 exhibitors from Sabah including PES members and also from West Malaysia participated in the two-day event. In conjunction with the SESB 2011 Vendor Days, PES had signed the SESB's ARWS MOU with SESB, whereby PES members will carry out internal wiring for over 17,000 poor families in Sabah worth about RM 10 Million. PES had also signed another MOU with SIRIM, whereby SIRIM would assist PES members to upgrade and improve their standard. On the same day, PES President Mr Woo also received a NIOSH-SESB safety mock card from the Guest of Honour.



Happy occasion – Group photo of SESB 2011 Vendor Days Organising Committee with guests.



SIRIM and PES – Exchanging of MOU after signing by President Mr Woo Soo Poo on behalf of PES (left) and Dr Hj Zainal Abidin Mohd Yusof of SIRIM (right). It was witnessed by YB Datuk Raymond Tan, Minister of Industry Development Sabah (right standing) and Datuk Ir Baharin Bin Din, Managing Director of SESB.



Congratulations! – PES President, Mr Woo Soo Poo (2nd from right) receiving a mock card of NIOSH-SESB safety passport from YB Datuk Raymond Tan, Minister of Industry Development Sabah (extreme right) in the presence of PES Secretary, Mr Lee Vui Ken (far left) and SESB Vendor Day Organising Chairman, Ir Sait Malibas (2nd from left).



SESB and PES – Signing of MOU for SESB's ARWS project to be carried out by PES members witnessed by YB Datuk Raymond Tan, Minister of Industry Development Sabah (standing on the right), Ir Sait Malibas, SESB Vendor Day Organising Chairman (standing on the left). PES was represented by Mr Woo Soo Poo (President) and Mr Lee Vui Ken (Secretary). SESB was represented by its Managing Director, Datuk Ir Baharin Bin Din (seated 2nd from left).

First NIOSH-SESB Safety Passport Training Course



Lecture – Senior NIOSH Training Executive, Mr Fadhil Abu Bakar giving lecture during the 1st SESB NIOSH safety passport training for PES members.

Effective from 1st January 2012, it is compulsory for all contractors involved in service, contract, maintenance, etc, with SESB to have the NIOSH-SESB safety passport. PES has held several meetings with NIOSH office to organise group safety training programme for PES members. The 1st safety passport training course was overwhelmingly participated by PES members. 56 PES members and member's staff attended the event which was originally planned for only 40 persons. It was held at Tang Dynasty Park Hotel, Kota Kinabalu on 13th September 2011. PES President Mr Woo Soo Poo was present and gave a speech to the participants before the training programme started. We are glad that 52 participants passed and received their safety passports at the end of the 1-day course.

PES at SEA Dinner

PES President, Mr Woo Soo Poo attended the 50th anniversary dinner of Sarawak Electrical Association (SEA) on 27th November 2011 in Kuching. It was a good opportunity to warm ties with SEA members.



Thank you – (left) Mr Woo Soo Poo (PES President) receiving a souvenir from Mr Francis Chew Joon Fah (SEA Chairman). Looking on is Mr Then See Wee (SEA Past Chairman and Dinner Organising Chairman).



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Sarawak Electrical Association

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P. O. Box 1494, 93730 Kuching, Sarawak.
Tel: +6082 - 423 145 Fax: +6082 - 429 011
E-mail: jfchew@pd.jaring.my

TEEAM Council Meeting in Kuching

SEA hosted a TEEAM Council Meeting on 28th November 2011 at its premises. It was a good meeting to foster closer fellowship with SEA members.

The TEEAM Council expressed its gratitude to SEA for the warm hospitality.



Attentive – Meeting in progress.

SEA 50th Anniversary Dinner

On 27th November 2011, Sarawak Electrical Association (SEA) celebrated its 50th anniversary at Thian Court Restaurant, Crown Square, Kuching. Guest of Honour was YB Datuk Yong Khoo Seng (Deputy Works Minister, Malaysia).

Highlights of the dinner included long service awards, cake cutting ceremony, lucky draws, taekwondo performance and singing. Some 800 members and guests attended the dinner.



Thank you – (right) Mr Francis Chew Joon Fah (SEA Chairman) presenting a memento to YB Datuk Yong Khoo Seng (Deputy Works Minister). Looking on are (2nd from right) Engr Fu Wing Hoong (TEEAM President) and Mr Then See Wee (SEA Past Chairman and Dinner Organising Chairman).



Grand occasion – Cake cutting ceremony to mark SEA's 50th anniversary.



Johor Bahru Electrical & Electronics Association

No.7-01, Jalan Bentara Luar, Taman Iskandar,
80050 Johor Bahru, Johor Darul Takzim.
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Website: www.jbeea.com.my

Chairman of Johor Bahru Electrical & Electronics Association (JBEEA), Mr Leong Kam Meng and his wife attended the 50th anniversary dinner of Sarawak Electrical Association (SEA) on 27th November 2011 in Kuching. It was a good trip to network with electrical contractors and suppliers in Kuching.



Loving couple – JBEEA Chairman, Mr Leong Kam Meng & wife at the dinner.



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PEA in Kuching

Deputy President of Perak Electrical Association (PEA), Mr Chan Kaim Sam was in Kuching on 27th November 2011 to attend the 50th anniversary dinner of SEA. He took the opportunity to foster fellowship and network with counterparts from Sarawak.



All smiles – (left) Mr Chan Kaim Sam (PEA Deputy President) receiving a souvenir from Mr Francis Chew Joon Fah (SEA Chairman). Looking on is Mr Then See Wee (SEA Past Chairman and Dinner Organising Chairman).

Other State Association Members' contacts:



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Johor Bahru Tel: 07-332 9455, 07-332 9466

Fax: 07-332 5982

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Fax: 04-399 9155



Hitachi Industrial Equipment Systems Co., Ltd.
+81-3-4345 6063

RCCB – Nuisance Tripping

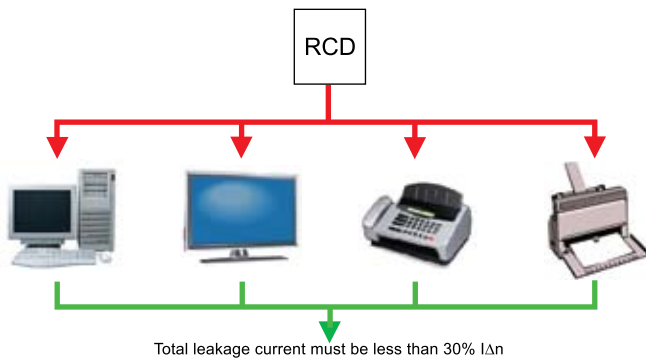
This article is contributed by Mr Dahari Mat Siran, TEEAM Safety & Quality Chairman.

It is quite common today to experience “nuisance” tripping of Residual Current Circuit Breakers (RCCBs) or any other residual current devices (RCD). This unwanted (nuisance) tripping may be caused by:

1. Power surge from lightning strikes or industrial switching.
2. Standing leakage (residual current) contributed by electronic equipment.

Most modern RCCBs will have a built-in “nuisance-tripping filter”. IEC-61008-1 specifies that an RCCB be subjected to a minimum of 200A surge tests to ensure that it will withstand without tripping to minor surges. Some RCCB manufacturers are even going further by incorporating higher capacity nuisance tripping filters that will withstand more than 3000A surges. Besides using a high immunity (against surges) RCCB (HI-type), installing a surge protection device (SPD) will also help to minimize the problem. However, the SPD must be installed before the RCCB (especially when the RCCB is without a nuisance tripping filter or not an S-type).

Electronic equipment and electrical home or office appliances will have a small amount of leakage current. This leakage current is



caused by the electronic filtering device or any grounding capacitor in the equipment itself. According to IEC-60335, electrical home appliances may have up to 3.5mA leakage current per unit. Therefore, electrical designers must be very careful in assigning the maximum number of socket outlets to an RCCB. According to MS62350 (Guidance for the correct use of RCDs), it is recommended that standing leakage should not be more than 30% of the RCCB rated residual operating current or sensitivity ($I_{\Delta n}$). Failure to observe this recommendation may cause the RCCB to be overloaded (too many electrical/electronic equipment that generate leakage current connected to it) thus causing nuisance tripping.



Dahari Mat Siran

What is the value of residual current that will cause an RCCB to trip? According to IEC-61008-1 the RCCB residual-tripping characteristics must comply with the following conditions:

1. Should trip when applied with residual operating current ($I_{\Delta n}$) - (Clause: 5.2.3)
2. Should not trip when applied with residual non-operating current ($I_{\Delta no}$) - (Clause: 5.2.4)
3. The standard value of $I_{\Delta no} = 0.5 I_{\Delta n}$ - (Clause: 5.3.4)

Therefore, it can be considered normal for an RCCB to trip at any residual current above $I_{\Delta no}$. Please note that the actual tripping current (residual tripping current) value may vary from manufacturer to manufacturer. Some manufacturers would set the residual tripping current value between 70 to 80% of $I_{\Delta n}$.

Mr Dahari Mat Siran is the Marketing Manager of Hager Engineering (M) Sdn Bhd. He can be contacted at dahari.siran@hager.my



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