

Protection

Protection is the key to maintained plant life and operating conditions. With Merlin Gerins' expertise in electrical distribution it is not surprising that protection of electrical circuits are foremost in mind.

To compliment the wide selection of circuit breakers, Merlin Gerin offer a modular fuse solution for differing levels of protection.

Another area of focus in todays' changing climate is lighting protection. There are 3 billion lightning strikes around the world each year exposing critical plant to danger, why take that risk? Consider modular surge protection from Merlin Gerin.



Lighting control

In commercial and industrial premises the correct level of lighting is essential to maintain a safe and comfortable working environment. This balance is difficult to achieve as there is often too much electric lighting provided rather than too little.

Electric lighting is expensive, so efficient control is key to reducing bills whilst still maintaining the correct conditions. Government incentives also provide guidance and encouragement to employ energy efficient solutions.

Merlin Gerins' modular solution to lighting control features on the government supported Energy Technology List. This can allow the end user to claim Enhanced Capital Allowance, in addition to reducing running cost.



Programmable control

A flexible solution is essential in today's changing world, a control solution that can change with the requirements of the occupant of the buildings.

With simple, intuitive solutions Merlin Gerin modular time management controls provide all the flexibility a system needs, in a user friendly package.

New to the Merlin Gerin range is the innovative ITM multifunction time switch, a single device that can apply no less than nine functions. A true 'all-in-one' product with programming simplicity.



Measurement and metering

The government implementation of the Climate Change Levy has had a significant impact on utility costs. This places the incentive on the end user to measure and monitor usage and implement energy efficient technology where required.

Guidance is provided within the Building Regulations (2001) approved document part L. Guidance and recommendations are given to building owners or occupiers to enable at least 90% of annual energy consumption to be accounted for, thus enabling the implementation of energy efficient technologies.

Merlin Gerin modular solutions create a window through the clouds of confusion.

Let yourself be guided by Merlin Gerin modular solutions



- Increased control
- Reduced installation time
- Energy saving

Making the most efficient use of lighting and monitoring strategy can point to problem areas. Coming to utility costs, an effective metering and heating control can make the difference when it comes to utilising costs.

With products promoting value engineering solutions that provide more control and benefits to installers and end users.

Merlin Gerin presents its modular solution for building control

With simple installation and configuration let Merlin Gerin guide you with a modular solution



Nationwide support on one number -
call the Customer Information Centre on

0870 608 8 608

Fax 0870 608 8 608

Schneider Electric's local support

Schneider Electric is committed to supporting its customers at every stage of a project. Our 180 sales engineers, the largest dedicated sales force in the UK electrical industry, operate from 4 customer support centres. Our sales engineers are skilled at assessing individual requirements and combined with the expert support of our product specialists, will develop the most effective and economical answer taking relevant regulations and standards fully into account. To access the expertise of the Schneider Electric group, please call 0870 608 8 608. Each customer support centre includes facilities for demonstrations and training, and presentation rooms fully equipped with audio visual and video, providing excellent meeting facilities.

Merlin Gerin

Merlin Gerin is a world leader in the manufacture and supply of high, medium and low voltage products for the distribution, protection, control and management of electrical systems. Its quality products, solutions and services are focused on the needs of both the commercial and industrial sectors.

Square D

Square D is a total quality organisation and its business is to put electricity to work productively and effectively, protecting people, buildings and equipment. Low voltage electrical distribution equipment, systems and services are used extensively in residential and commercial applications.

Telemecanique

Telemecanique is a UK market leader and world expert in automation and control. It provides complete solutions, with its range of components, Modicon range of high technology programmable controllers (PLCs), multiple fieldbus and ethernet communication networks, HMI, motion control systems, variable speed drives and communications software. In addition, it offers power distribution through prefabricated busbar trunking.

Local customer support centres

Scotland
Schneider Electric Ltd
Unit 11000
Academy Business Park
Gover Street
Glasgow G51 1PR
webmasterGB@schneider.co.uk

South West
Schneider Electric Ltd
190 Aztec West
Park Avenue
Almondsbury
Bristol BS32 4TP
webmasterGB@schneider.co.uk

North West
Schneider Electric Ltd
8 Brindley Road
City Park Business Village
Combrook
Manchester M16 9HQ
webmasterGB@schneider.co.uk

Greater London
Schneider Electric Ltd
2nd Floor
408 Strand
London WC2R 0NE
webmasterGB@schneider.co.uk

Product showrooms

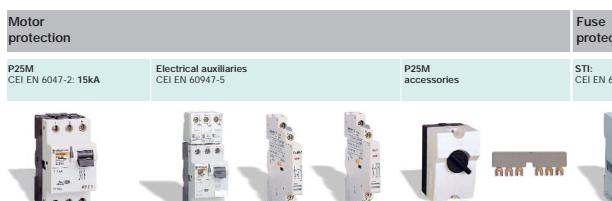
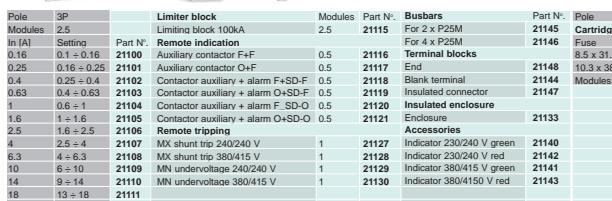
Industrial systems and solutions product showroom
Schneider Electric Ltd, University of Warwick Science Park, Sir William Lyons Road, Coventry CV4 7EZ

Building systems and solutions product showroom
Schneider Electric Ltd, Stafford Park 5, Telford, Shropshire TF3 3BL

Energy and infrastructure systems and solutions product showroom
Schneider Electric Ltd, 123 Jack Lane, Hunslet, Leeds LS10 1BS

Modular solutions for building control



| | | | | |
|--|---|--|--|---|
| Modular analogue metering | Modular digital metering | Impulse relays | Impulse relays auxiliaries | Modular contactors |
| AMP, VLT CEI EN 60051, IEC 60414 | AMP, VLT, FREQ CEI EN 61010-1 | TL, TLI, TLo, TLm, TLC, ETL CEI EN 60669-2-1/2 | ATL | CT, CT manual CEI EN 61095 |
|  |  |  |  |  |
| Voltmeter VLT Scale 0 - 300V Scale 0 - 500V Ammeter AMP Scale 0 - 30V direct Scale via CT x/5 0 - 50mA 0 - 200mA 0 - 300mA 0 - 400mA 0 - 500mA 0 - 600mA 0 - 800mA 0 - 1000mA 0 - 1500mA 0 - 2000mA | Modules Part N°. Scale for AMP 16030 Part N°. 16060 0 - 5A 16061 0 - 50A 16032 Ammeter AMP 16033 Scale 0 - 10A direct 16034 Scale 40 - 1000 via CT 16035 Frequency meter FREQ 16036 Scale 20 - 100Hz 16037 16038 16039 16040 16041 16042 16043 16044 16045 | Voltmeter VLT Scale 0 - 600V 16031 16032 Ammeter AMP 16033 Scale 0 - 10A direct 16034 Scale 40 - 1000 via CT 16035 Frequency meter FREQ 16036 Scale 20 - 100Hz 16037 16038 16039 16040 16041 16042 16043 16044 16045 | Pole 1P Vn (Vca) 230/240 130 48 24 12 230/240 130 48 24 12 2P Modules 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 Impulse TL In (A) 16 15510 15511 15512 15513 15514 15520 15521 15522 15523 15524 32 15515 Changeover TLI (NO+NC) In (A) 16 15500 15502 15503 Impulse with indication TLs In (A) 16 15517 15528 15527 Impulse with manual override TLo In (A) 16 15516 Impulse with centralised control TLC In (A) 16 15518 15526 15525 Extension ETL In (A) 16 15530 15531 15532 15533 15534 32 15505 | Auxiliaries Time delay ATL-T 1 Vn (Vca) 23 Illuminated pushbutton ATL-Z 1 15413 Contact 1N Centralised control and indication ATLo<=c 1 15409 Modules Centralised control and indication ATL>c 1 15410 Contactor CT Step control ATL4 2 15412 In (A) 16 25 15 Accessories Set of 10 clips 15414 40 63 100 Contactor with In (A) 25 40 40 63 |
| Panel mounting analogue metering | Scale per AMP | Isolation devices | Rotary switches | |
| AMP, VLT CEI EN 60051, IEC 60414 | |  | | |
|  | | | | |
| Voltmeter VLT Scale 0 - 500V Ammeter AMP Scale x/5 via CT 0 - 600A 0 - 100A 0 - 200A 0 - 400A 0 - 1000A 0 - 1250A 0 - 1500A 0 - 2000A | Size 72 x 72 Part N°. Scale for AMP 16004 Part N°. 16005 0 - 6A 16006 0 - 100A 16007 16008 0 - 200A 16012 16013 16014 16015 16016 16019 | Scale for AMP 16004 Part N°. 16005 0 - 6A 16006 0 - 100A 16007 16008 0 - 200A 16012 16013 16014 16015 16016 16019 | Poles 1P Modules 1 1 2 2 3 2 4 1 1 2P In (A) 20 15005 15006 15007 15008 15063 15064 32 15019 15010 15011 15012 15100 15101 40 15019 15020 15023 15024 63 15013 15014 15015 15016 100 15090 15091 15092 15093 125 15057 15058 15059 15060 3P 4P 1P 2P Auxiliaries for indication Auxiliary contact | Modules Part N°. Selector 1-2 CME INO+1Nc 3 15122 Position 1 Selector 1>0-2 CMB 2P 3 pos. 3 15120 Rest at centre 1 Selector 0-1-2-3-4 CMD 1P 5 pos. 3 15121 |
| Analogue kWh meter | Digital kWh meter | Conventional timers | Digital timers | Timers |
| CE, CEr IEC 61036 | ME1 IEC 61036 | IH EN 60730 | IHP EN 60730 | RT |
|  | |  |  |  |
| Digital multimeter | Current transformers | Hours 60 min. Modules Part N°. 1 channel without reserve 3 15338 | Daily and weekly 24h and 7 day Modules Part N°. 1 channel 28 locations 2.5 15720 1 channel 14 locations 1 15854 2 channel 42 locations 2.5 15722 Daily and weekly 24h and 7 day + impulse 1 channel with 100h reserve 1 15335 1 channel with 150h reserve 3 15365 2 channel with 150h reserve 3 15337 Daily and weekly 24h and 7 day 1 channel with 150h reserve 3 15366 Weekly 7 day 1 channel with 100h reserve 1 15331 1 channel with 150h reserve 3 15367 Accessories for IH 20 jumpers for 15337, 15366, 15367 15341 | Delay on energisation Modules RTA 1 Delay on energisation (or impulse) RTA 1 Delay on energisation RTB 1 Impulse delay RTB 1 Multifunctional RTMF 1 Cyclic timer R1L 1 R1L 1 |
| Digital multimeter | Current transformers | Hours 60 min. Modules Part N°. 1 channel without reserve 3 15338 | Daily and weekly 24h and 7 day Modules Part N°. 1 channel 28 locations 2.5 15720 1 channel 14 locations 1 15854 2 channel 42 locations 2.5 15722 Daily and weekly 24h and 7 day + impulse 1 channel with 100h reserve 1 15335 1 channel with 150h reserve 3 15365 2 channel with 150h reserve 3 15337 Daily and weekly 24h and 7 day 1 channel with 150h reserve 3 15366 Weekly 7 day 1 channel with 100h reserve 1 15331 1 channel with 150h reserve 3 15367 Accessories for IH 20 jumpers for 15337, 15366, 15367 15341 | Delay on energisation Modules RTA 1 Delay on energisation (or impulse) RTA 1 Delay on energisation RTB 1 Impulse delay RTB 1 Multifunctional RTMF 1 Cyclic timer R1L 1 R1L 1 |
| Modular multimeters | Panel mounting | Motor protection | Fuse protection | |
| PM9 15195 4 IP 40/5A Size ø 21 Size □ 20x5 Part N°. 16500 IP 65 Size □ 65 x 32 Part N°. 16531 Panel mounting Size 50/5A 21 20x5 16501 16532 16533 IP 65 Size □ 65 x 32 Part N°. 16502 IP 65 Size □ 65 x 32 Part N°. 16533 PM500 10 - 440V ac 92 x 92 50980 75/5A 21 20x5 16501 16532 16533 PM500 24 - 48V dc 92 x 92 50981 100/5A 21 20x5 16503 16534 16535 PM500 modbus connection 50982 125/5A 21 20x5 16504 16535 16536 PM500 pulse output module 50983 250/5A 21 20x5 16505 16537 16538 PM500 I/O module 50984 250/5A 21 20x5 16506 16539 16540 IP 65 Size □ 84 x 32 Part N°. 16530 IP 65 Size □ 127 x 38 Part N°. 16540 IP 65 Size □ 127 x 38 Part N°. 16541 IP 65 Size □ 127 x 38 Part N°. 16542 IP 65 Size □ 127 x 38 Part N°. 16543 IP 65 Size □ 127 x 38 Part N°. 16544 IP 65 Size □ 127 x 38 Part N°. 16545 | P25M CEI EN 6047-2-15kA Electrical auxiliaries CEI EN 60947-5 P25M accessories STI: CEI EN 60947-3 |  | | |
| Selector switches | Counters | Pole 3P Modules 2.5 In (A) 0.1 - 0.16 0.25 0.4 0.63 1 1.6 2.5 4 6.3 10 14 19 23 25 Limiter block Modules 2.5 Part N°. 21100 Auxiliary contactor F+G 0.5 21101 Auxiliary contactor G+F 0.5 21102 Contactor auxiliary + alarm F+SD-F 0.5 21103 Contactor auxiliary + alarm O+SD-O 0.5 21104 Contactor auxiliary + alarm O+SD-O 0.5 21105 Contactor auxiliary + alarm O+SD-O 0.5 21106 Busbars Part N°. 21115 Limiting block 100kA 21116 For 2 x P25M 21117 For 3 x P25M 21118 Terminal blocks 21119 End 21120 Blank terminal 21144 Insulated connector 21147 Insulated enclosure 21133 Accessories 21121 Indicator 230/240 V green 21140 Indicator 230/240 V red 21142 Indicator 380/415 V green 21141 Indicator 380/415 V red 21143 | N 8.5 x 31.5 10.3 x 38 1 1 1P 20 32 1P+N | |
| CM CEI EN 61010 | CI, CH | | | |
|  | | | | |
| Ammeter selector GMA 4 pos. (L1-L2-L3) 3 15126 | Ammeter selector GMA 4 pos. (O-L1-L2-L3) 48 x 48 16017 | Impulse counter OLVA 230-240V ac 2 15443 | | |
| Voltmeter selector CMV 7 pos. (L3/1-0-L3N) 3 15125 | Voltmeter selector CMV 7 pos. (L3/1-0-L3N) 48 x 48 16018 | Hours counter CH Vn 230-240V ac 2 15440 | | |
|  | | | | |

**Nationwide support
call the Customer Informati**



