

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



Schneider Electric are a proud member of Energy Systems Trade Association



Many products in the UK market feature the EETI logo

- Increased control
 - Reduced installation time
 - Energy saving
- Monitoring strategy can point to problem areas. Making the most efficient use of lighting and heating control can make the difference when it comes to utility costs, an effective metering and heating control system can make the difference when it comes to utility costs, an effective metering and monitoring strategy can point to problem areas. Making the most efficient use of lighting and heating control can make the difference when it comes to utility costs, an effective metering and monitoring strategy can point to problem areas.
- With products promoting value engineered solutions that provide more control and benefits to installers and end users.



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



Merlin Gerin presents its modular solution for building control



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

0870 608 8 608

Fax 0870 608 8 606

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. Its 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

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Product showrooms

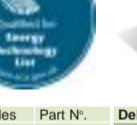
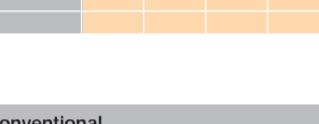
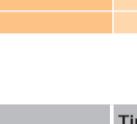
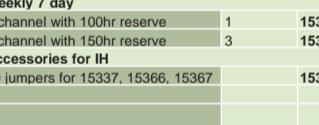
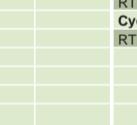
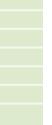
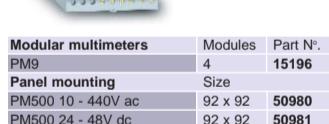
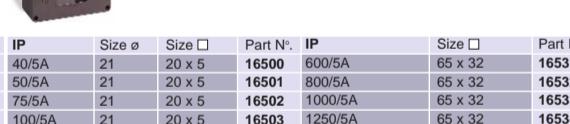
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Modular solutions for building control



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, TLs, 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	Modules 4 4 4 4 4	Part N°. 16060 16061 16033 16029 16030	Scale for AMP 16030 0 - 5A 0 - 50A 0 - 75A 0 - 100A 0 - 150A 0 - 200A 0 - 250A 0 - 300A 0 - 400A 0 - 500A 0 - 600A 0 - 800A 0 - 1000A 0 - 1500A 0 - 2000A	Voltmeter VLT Scale 0 - 600V Ammeter AMP Scale 40 - 1000 via CT Frequency meter FREQ	Modules 2 2 2 2 2	Part N°. 16031 16032 16033 16034 16035 16036 16037 16038 16039 16040 16041 16042 16043 16044 16045		Pole Vn (Vca) Modules In (A) 16 32	1P 230/240 130 48 24 12 1 1 1 1 1 15510 15511 15512 15513 15514 15520 15521 15522 15523 15524 15515	2P 230/240 130 48 24 12 1 1 1 1 1 15500 15502 15503	Auxiliaries Time delay ATL-T Illuminated pushbutton ATL-Z Centralised control and indication ATL+s Centralised control and indication ATL+c Step control ATL4 Accessories Set of 10 clips	Modules 1 1 1 1 2	Part N°. 15411 15413 15409 15410 15412 15414 40 63 100 40 63	Pole Vn (Vca) Contact Modules In (A) 16 In (A) 25 In (A) 25 In (A) 25 In (A) 25 In (A) 25 1F 1N 1N 15 15							
Panel mounting analogue metering				Isolation devices				Rotary switches				Conventional timers				Digital timers					
AMP, VLT CEI EN 60051, IEC 60414				I CEI EN 60669-1 (20÷63 A) CEI EN 60947-3 (40÷125 A)				I with indication 230VCA CEI EN 60669-2				Auxiliaries and accessories for I				CMB, CMD, CME CEI EN 60947-5-1					
																					
																					
CE, CEr IEC 61036	ME1 IEC 61036	ME4 IEC 61036																			
Single phase CE 25/90A CEr 25/90a with pulse	Modules 6 6	Part N°. 15464 15466	Single phase ME1 63A ME1z 63A with reset	Modules 2 2	Part N°. 17065 17066	Three phase ME4 63A ME4zrt 40 - 6000A with reset and pulsed output	Modules 4 4	Part N°. 17070 17072	Poles 1P 2P 3P 4P 1P 2P	Modules 1 1 2 2 3 2 4 1 1 15005 15006 15007 15008 15063 15064 15009 15010 15011 15012 15100 15101 15019 15020 15023 15024 15024 15013 15014 15015 15016 15016 15090 15091 15092 15093 15093 15057 15058 15059 15060 15060	Auxiliaries for indication Auxiliary contact	Modules 1	Part N°. 15096	Selector 1-2 CME 1NO+1Nc 3 Position Selector 1>0<2 CMB 2P 3 pos. 3 Rest at centre Selector 0-1-2-3-4 CMD 1P 5 pos. 3	Modules 15122 15120 15121	Part N°. 15122 15120 15121					
Three phase CE 50 - 400A CEr 50 - 400A with pulse	Modules 6 6	Part N°. 15465 15467	ME1z 63A with reset and pulse output	Modules 2	Part N°. 17067																
Digital multimeter				Current transformers				Conventional timers				Digital timers				Timers					
PM CEI EN 61010	TA CEI EN 61010																				
																					
Modular multimeters PM9	Modules 4	Part N°. 15196	IP 40/5A	Size ø 21	Size □ 20 x 5	Part N°. 16500	IP 600/5A	Size □ 65 x 32	Poles 3P 2P 1P 2P	Modules 2.5	Part N°. 16531										
Panel mounting PM500 10 - 440V ac	Size 92 x 92	Part N°. 50980	IP 75/5A	Size ø 21	Size □ 20 x 5	Part N°. 16501	IP 800/5A	Size □ 65 x 32		Modules 2	Part N°. 16532										
PM500 24 - 48V dc	Size 92 x 92	Part N°. 50981	IP 100/5A	Size ø 21	Size □ 20 x 5	Part N°. 16503	IP 1250/5A	Size □ 65 x 32		Modules 4	Part N°. 16534										
PM500 modbus connection	Size 92 x 92	Part N°. 50982	IP 125/5A	Size ø 21	Size □ 20 x 5	Part N°. 16504	IP 1250/5A	Size □ 127 x 38		Modules 4	Part N°. 16540										
PM500 pulse output module	Size 92 x 92	Part N°. 50983	IP 150/5A	Size ø 21	Size □ 20 x 5	Part N°. 16505	IP 1500/5A	Size □ 84 x 38		Modules 4	Part N°. 16538										
PM500 I/O module	Size 92 x 92	Part N°. 50984	IP 200/5A	Size ø 21	Size □ 20 x 5	Part N°. 16506	IP 1500/5A	Size □ 127 x 38		Modules 4	Part N°. 16541										
				Size ø 22	Size □ 30 x 10	Part N°. 16511	IP 2000/5A	Size □ 127 x 38		Modules 4	Part N°. 16542										
				Size ø 35	Size □ 40 x 10	Part N°. 16519	IP 2500/5A	Size □ 127 x 38		Modules 4	Part N°. 16543										
				Size ø 65	Size □ 65 x 32	Part N°. 16529	IP 3000/5A	Size □ 127 x 38		Modules 4	Part N°. 16544										
				Size ø 50	Size □ 65 x 32	Part N°. 16530	IP 4000/5A	Size □ 127 x 38		Modules 4	Part N°. 16547										
Selector switches				Counters				Motor protection				Fuse protection									
CM CEI EN 61010	Modules 3	Part N°. 15126	Ammeter selector CMA 4 pos. (O-L1-L2-L3)	SIZE 48 x 48	Part N°. 16017	Impulse counter CI Vn 230-240V ac	Modules 2	Part N°. 15443	Pole 3P 2.5 Setting 0.16 0.25 0.4 0.63 1 1.6 2.5 4 6.3 10 14 18	Limiting block Remote indication Auxiliary contactor F+F Auxiliary contactor O+F Contactor auxiliary + alarm F+SD-F Contactor auxiliary + alarm O+SD-F Contactor auxiliary + alarm F-SD-O Contactor auxiliary + alarm O-SD-O MX shunt trip 240/240 V MX shunt trip 380/415 V MN undervoltage 240/240 V MN undervoltage 380/415 V	Modules 2.5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Part N°. 21115 21116 21117 21118 21119 21120 21121 21122 21123 21124 21125 21126 21127 21128 21129 21130	Busses For 2 x P25M Terminal blocks Blank terminal Insulated connector Insulated enclosure Accessories Indicator 230/240 V green Indicator 230/240 V red Indicator 380/415 V green Indicator 380/415 V red	Part N°. 21145 21146 21148 21144 21147 21133 21140 21142 21141 21143	Pole N 1P 1P+N</td						

Control																	Auxiliary contacts for RLI		
control																	RLI, RBN, RTBT, ERL IEC 255		
2P	3P	3P+N	Accessories	Part N°:	Protection relays	Modules	Part N°:	Pole	Modules	1P+N	1P+N	3P+N	3P+N	Electronic	Modules	Part N°:	Probes for TH	Part N°:	
0/240	230/240		Indicator 230 Vca	15668	Under current relay	2	21181							TH3 1 channel reg. +8°C-+26°C	4	15841	Ground probe	15845	
					Undervoltage relay	2	21182	Imax (kA)	In (kA)					TH6 1 channel reg. -30°C-+90°C	4	15840	Ambient probe	15846	
					Phase failure relay	2	21180	65	20	15684		15685					Outdoor probe	15847	
								30	10	15689	15687	15690	15688				Collar probe	15848	
15650	15655	15657	1 row 1P 12 modules	14881				15	2		15692		15693						
15651	15656	15658	1 row 1P+N 12 modules	14880				8	2		15695		15696						
2	3	3	1 row 2P 12 modules	14882															
			1 row 3P 12 modules	14883															
			Accessories	14885															
			4 connectors 25mm²	14885															
			40 insulators	14888															
			40 insulators 1P, 2P	14886															
			40 insulators 3P, 2P	14887															

Switches		Pushbuttons		Indicators		Control transformers						Sounders		Support devices	
CM CEI EN 60669-1		BP CEI EN 60669-1		V CEI EN 60947-5-1		TR EN 60742						Accessories for TR		SO, RO	

Selector 1-2		Modules	Part N°:	Single	Modules	Part N°:	Vn (V)	230V	12-48 V	Bell transformers	Modules	Part N°:	Safety shields	Part N°:	Bell	Modules	Part N°:	Support for XB4, XB5	Modules	Part N°:
IP 2 pos.	1	18070	1NO	1	18032	Single	Modules			4 VA 8/12 V	2	15213	For TR 15212, 15213, 15216	15228	8-12 V - 80dB	1	15321	Support	3	15151
IP 2 pos.	2	18071	1NO	1	18030	Red	1	18320	18330	8 VA 8/12 V	2	15216	For TR 15218, 15219, 15220	15230	230 V - 80dB	1	15320	for Ø 22.5 mm devices		
INO+1Nc 2 pos.	1	18072	1NO+1Nc	1	18033	Red (flashing)	1	18326		16 VA 8/12 V	2	15212	15222		Buzzer			Universal support		
Selector 1-0-2			Double			Green	1	18321	18331	25 VA 12/24 V	3	15215			8-12 V - 70dB	1	15323	Blank support	3	15152
IP 3 pos.	1	18073	1NO+1Nc green and red	1	18034	White	1	18322	18332	16 VA 12/24 V	5	15218			230 V - 70dB	1	15322			
IP 3 pos.	2	18074	1NO+1Nc green and green	1	18035	Blue	1	18323	18333	25 VA 12/24 V	5	15219								
			Single + indicator			Yellow	1	18324	18334	40 VA 12/24 V	5	15220								
			1NO green 230 V	1	18036	Double				63 VA 12/24 V	5	15222								
			1NO green 12-48 V	1	18038	Green and red 1	1	18325												
			1NO red 230 V	1	18037	Triple														
			1NO red 12-48 V	1	18039	3 yellow	1	18327												

Multifunctional timers				Lighting control				Light sensitive switch												
ITM				TV dimmers				Motion and presence detection				IC				Pre-defined timers				
Part N°:	Multifunctional time switch	Modules	Part N°:	TV dimmers	Modules	Part N°:	Motion detectors	Part N°:	Regulation 2 to 200 lux	Modules	Part N°:	Regulation 2 to 2000 lux	Modules	Part N°:	Electro-mechanical	Modules	Part N°:			
16065	ITM 6 input 4 output controller	20	15270	TVe700 remote dimmer	2	15285	CDM motion detector	16990	IC200 1 channel	2.5	15284	Regulation 2 to 2000 lux			MIN 1 - 7 minutes	1	15363	Timed delay		
	Accessories			TV700 remote dimmer	2	15287	CE motion detector	57655												
16067	Memory cartridge		15280	TV0 remote dimmer	4	15289	Presence detectors	16992	IC2000 1 channel	3.5	15368	Regulation 2 to 2000 lux programmable			PRE delay 30 seconds - 8 minutes for 20 minutes	1	15233			
16066				TVBo remote dimmer	2	15297	CDP 360 degree detector	16992	IC2000P 1 channel + hourly 24H+7 day	5	15286			10 - 100 seconds						
16068				Rgo light regulator	1	15291														
16070				Iso switch with optical control	1	15296														
16070				NTVo preset control	1	15300														
16069				TTVo progressive control	1	15301														
				Rpo optical repeater	1	15293														