

*Superiority in function, performance
and aesthetics*

Industry proven weather
protected accessories





Modena 800 Series

Contemporary, innovative, flexible.

Your complete solution

The NEW Modena 800 series range of switches and socket outlets offer a total modular solution combined with a unique European style finish. Modena switchgear is a premium range that adds a practical yet contemporary edge to any modern room.



Features:

- Front loading modular system
- Switch modules with neon options
- Double pole switch options
- Double vertical and horizontal options
- Integrally (auto switched) double and single socket versions
- All sockets with safety shutters built in
- Flexible interchangeable module combinations
- Stylish clip on plastic surrounds with a choice of eight different colours

Now available at leading electrical wholesalers



For a copy of our Electrical Solutions Guide or Modena 800 Series brochure, please contact Customer Services on 0800 652 999.



P D L

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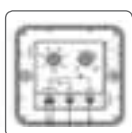
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SAFETY IN ACTION

All switches can be padlocked on or off as standard for control of power supply. Mechanical protection from physical damage built into all products.



MODULAR DESIGN

Based upon 2 frame sizes, the WP series has been designed as family of products, allowing interchangeability. This means the junction / utility boxes can be mounted and with only a cover change, can be turned into a switch or switched socket outlet, or reverse.



IP RATING

WP Series switches are rated to IP56. WP Series sockets are rated to IP53. WP channelled red gaskets provide high performance protection in all situations for peace of mind. S Series isolators are rated to IP66.



EASY INSTALLATION

WP Series products were designed with the installer in mind. All products are supplied with base and accessory pack of terminals and conduit connection adaptors.



BUILT TO LAST

WP Series uses latest technology materials with superior UV protection, impact strength, and additional chemical resistance when compared with polycarbonate.

FUNCTIONALITY

Daylight switch with selectable timer – WDL10 Photoelectric sensor provides adjustable Lux level from 20 to 100 Lux, and selectable time with 6 adjustments up to 8 hours. Flexible installation adjustments to suit various applications. Easy wiring complete with deep base.



WDL10 - DAYLIGHT SWITCH



SHALLOW BASE

- Modern shallow base design – 20mm deep
- Rear cable entry only – 20mm standard entry
- Rear knock-out to 32mm
- Conduit box mounting centres provided
- Multiple fixing positions – for easy fixing away from rear entry point
- Drain hole options provided



DEEP BASE

- Single or double conduit options for surface wiring
- Rear cable entry plug 25mm
- 38mm depth for increased wiring room
- Five plain 25mm conduit entries
- Drain hole options provided
- Multiple mounting points, away from rear entry and conduit entry points
- 90° mounting options – on single base only



SOCKETS

- Socket face angled for ease of use and weather protection
- Logical socket orientation for end user
- Internal phase wiring between switch and socket provided as standard
- Phillips / slotted terminal screws
- Large terminals that are centrally located creating more wiring room for ease of installation
- Removable bridging wires for ease of wiring 2 or more circuits
- Earth – clearly marked for easy identification (terminated one side only)
- Internal phase wiring from switch to socket



SWITCHES

- 20A switch as standard
- 16AX fluorescent rating standard
- M60 motor rating as standard
- Stainless steel mounting screws
- Padlockable and mechanically protected
- New 32A switch, single pole, 1 way. Available late 2006





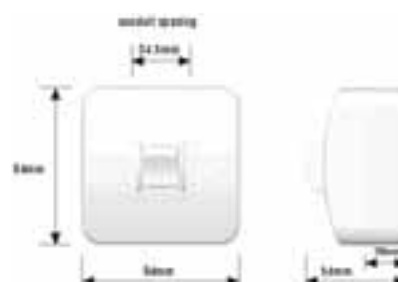
SHALLOW BASE SWITCHES *to* IP56

IP56 switches comply with standards AS/NZS3100, AS/NZS3133 and AS60529 (IP56).
 Ratings: 250Va.c., 50Hz, 20A resistive and inductive, 16AX fluorescent, M60.

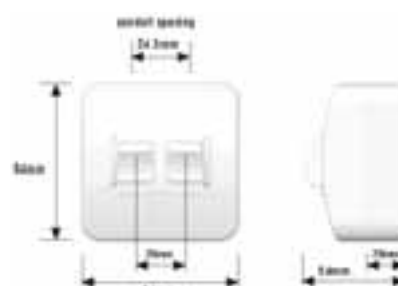
- Modern shallow base design, aesthetically superior to suit lower profile application.
- Rear cable entry only – not surface wireable.



WSW201S
Single switch 20A
 250Va.c. 50Hz
 IP56
 Supplied complete with base
 and switch accessory pack.



WSW202S
Double switch 20A
 250Va.c. 50Hz
 IP56
 Supplied complete with base
 and switch accessory pack.



**SHALLOW BASE SWITCH
 ACCESSORY PACK**
 A. Mounting point bungs
 B. Flush caps





DEEP BASE SWITCHES to IP56

IP56 switches comply with standards IEC60669-1, AS/NZS3947-3 and AS60529 (IP56).

Ratings: 250Va.c., 50Hz, 20A resistive and inductive, 16AX fluorescent M60.

250Va.c., 50Hz, 32A resistive, 20AX fluorescent, M180, AC23A 3kW-21A.

Terminals accommodate: 4 x 1.5mm² cables each or 2x2.5mm² cables each - (20A).

2 x 6mm² cables each (32A)

5 x 25mm surface mount – cable entry, 1 x 25mm – rear cable entry.



WSW201

Single switch 20A

250Va.c. 50Hz

IP56

Supplied complete with base and switch accessory pack.



WSW202

Double switch 20A

250Va.c. 50Hz

IP56

Supplied complete with base and switch accessory pack.



WSW321*

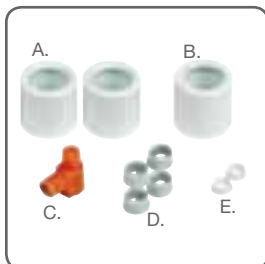
NEW *Single switch 32A*

Single pole, 1 way, isolation switch

250Va.c. 50Hz

IP56

Supplied complete with base and switch accessory pack.



SWITCH ACCESSORY PACK

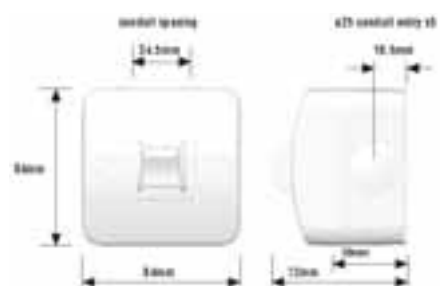
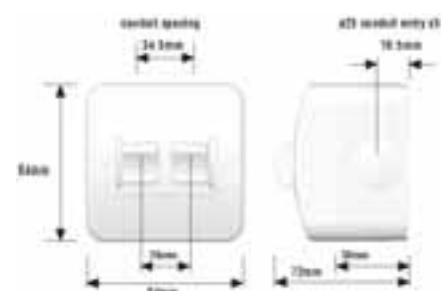
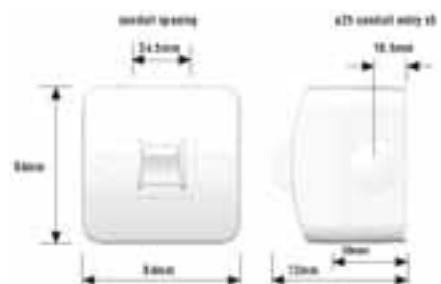
A. 25-20mm plain reducer

B. 25-20mm threaded reducer

C. 501 terminal

D. Mounting point bungs

E. Flush caps



*Available late 2006



SHALLOW BASE SOCKETS to IP53

IP53 switched sockets comply with standards AS/NZS3100, AS/NZS3112 and AS60529 (IP53).

For additional safety, WP Series sockets are all fitted with safety shutter coverings behind all pin apertures.

Modern shallow base design, aesthetically superior to suit lower profile applications.

Rear cable entry only – not surface wireable.



WSO310S
Single socket 10A
 230V/240Va.c. 50Hz
 IP53
 Supplied complete with base and socket accessory pack.



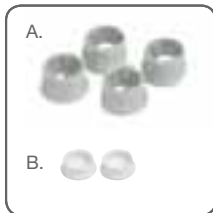
WSO310/2S
Double socket 10A
 230V/240Va.c. 50Hz
 IP53
 Supplied complete with base and socket accessory pack.



WSO310XS
Single socket 10A with extra switch (20A)
 230V/240Va.c. 50Hz
 IP53
 Supplied complete with base and socket accessory pack.



WSO315S
Single socket 15A
 230V/240Va.c. 50Hz
 IP53
 Supplied complete with base and socket accessory pack.



SHALLOW BASE SOCKET ACCESSORY PACK
 A. Mounting point bungs
 B. Flush caps





DEEP BASE SOCKETS to IP53

IP53 switched sockets comply with standards AS/NZS3100, AS/NZS3112 and AS60529 (IP53).
For additional safety, WP Series sockets are all fitted with safety shutter coverings behind all pin apertures.

Angled socket face for IP protection incorporates water shed feature.
5 x 25mm surface mount – cable entry, 1 x 25mm – rear cable entry.



WSO310
Single socket 10A
230V/240Va.c. 50Hz
IP53
Supplied complete with base and socket accessory pack.



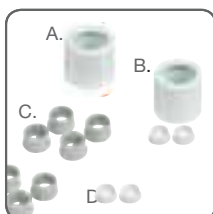
WSO310/2
Double socket 10A
230V/240Va.c. 50Hz
IP53
Supplied complete with base and socket accessory pack.



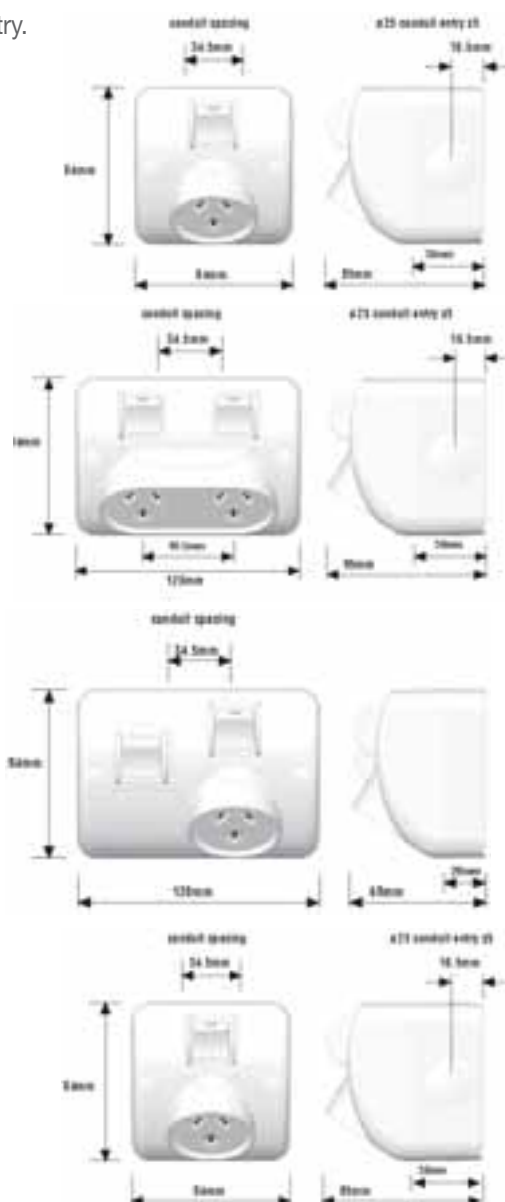
WSO310X
Single socket 10A with extra switch (20A)
230V/240Va.c. 50Hz
IP53
Supplied complete with base and socket accessory pack.



WSO315
Single socket 15A
230V/240Va.c. 50Hz
IP53
Supplied complete with base and socket accessory pack.



SOCKET ACCESSORY PACK
A. 25-20mm plain reducer
B. 25-20mm threaded reducer
C. Mounting point bugs
D. Flush caps



WSW310/2 & WSW201



NEW DAYLIGHT SWITCH to IP56

IP56 Selectable Photo Electric Cell which complies with AS60529, AS/NZS3100:2002 and CISPR15:2002 with a Bi-Colour LED for switching identification.

WDL10

Daylight switch with installer selectable timer 10A

Control feature: Timer and Lux adjustment

Voltage: 230 - 240Va.c. 50Hz

Switch Lux Level: 20 to 100 Lux

IP Rating: IP56

Timer: 6 position (ON - Dusk to Dawn
- 2H - 4H - 6H - 8H, ON - load
permanently ON D-D - load ON at
dusk and load OFF at dawn 2H, 4H,
6H, 8H - load ON for the present
time after dusk)

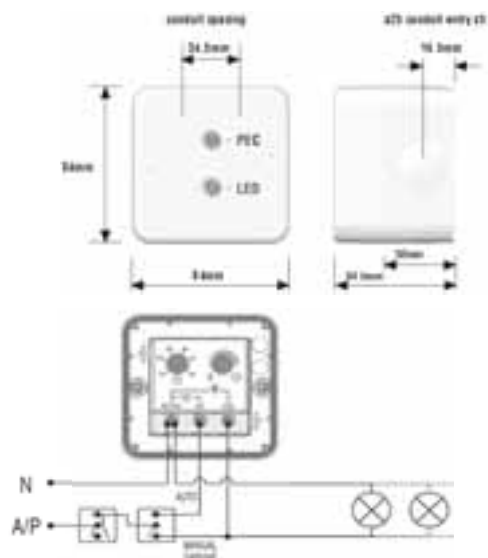
Photoelectric sensor: Preset to switch ON or OFF at approx.
50 Lux (calibration dial)

Amperage: 10A resistive
2400W (10A) incandescent
2000W (8A) halogen
1200W (6A) inductive and fluorescent

Bicolour LED: Green – power available
Red – daylight switch / timer
operating

Wiring: 3 terminals (phase, neutral, load) at
6mm² max. 4x1.5mm²

Operating Temp.: -10°C to 45°C



Aesthetics and functionality are second to none. There is no other product available today that is so simple to use, set up and test.

User selectable timer, with the ability to control the delay off or permanently on functions at the turn of the dial.

Lux level pre-set, but able to be adjusted from 20-100 Lux.

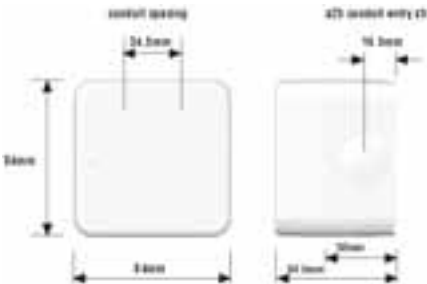
Suitable for outdoor lighting, pool timers, water features, entry and security applications, building management and community control environments.



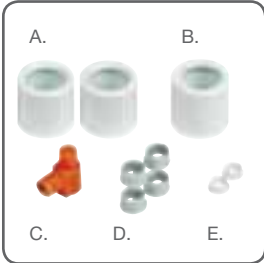
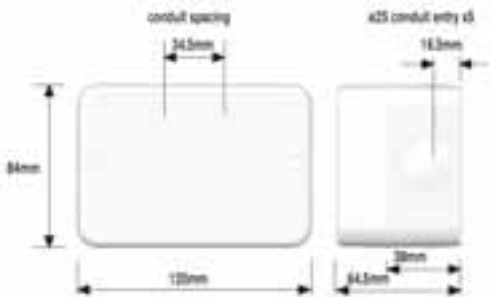
DEEP BASE UTILITY / JUNCTION BOXES to IP56



WJ1
Single junction box
 IP56
 Facilities for the installation of push button stations.
 Supplied complete with accessory pack.



WJ2
Double junction box
 IP56
 Facilities for the installation of push button stations.
 Supplied complete with accessory pack.



SWITCH ACCESSORY PACK
 A. 25-20mm plain reducer
 B. 25-20mm threaded reducer
 C. 501 terminal
 D. Mounting point bungs
 E. Flush caps



Weatherproof Isolators.

WEATHERPROOF ISOLATOR SWITCHES *to* IP66

PDL's S Series range of enclosed main switches have been developed to produce a fully international, all-purpose isolating switch to meet all installation applications for all markets where PDL electrical accessories are distributed.

The range has many features and benefits including the facility for padlocking in both the ON and OFF positions. They are made of high impact resistant polycarbonate and are dust and water protected to meet the exacting requirements of International Standard IP66. Components are corrosion resistant through the use of quality brass and stainless steel terminal fittings.

FEATURES

- Facility for padlocking in the OFF position provided as standard, padlocking in the ON position possible by field drilling plastic web as instructed.
- Use of high impact resistant materials for mechanical protection and synthetic gasket seals ensure environmental resistance to dust and water IP66 rating.
- Simple 2 cover screw fitting method for ease of fit off.
- Ample room for wiring within the enclosure.
- Rotary operation provides ease of use even with gloved hand.
- Enclosure thread configuration – 2 x 25mm metric conduit entries in each end.
- Supplied with 2 x 25-20mm reducers for optional installation to 20mm conduit.
- Provision for tamperproof wire sealing provided.



Cable Entry:

2 x 25mm back entry cut-outs and
2 x 25mm threaded entries each.

Maximum Cable Size:

- 20A and 32A accept max 16mm²
- 40A and 63A accept max 25mm²

S SERIES

WEATHERPROOF ISOLATOR SWITCHES to IP66

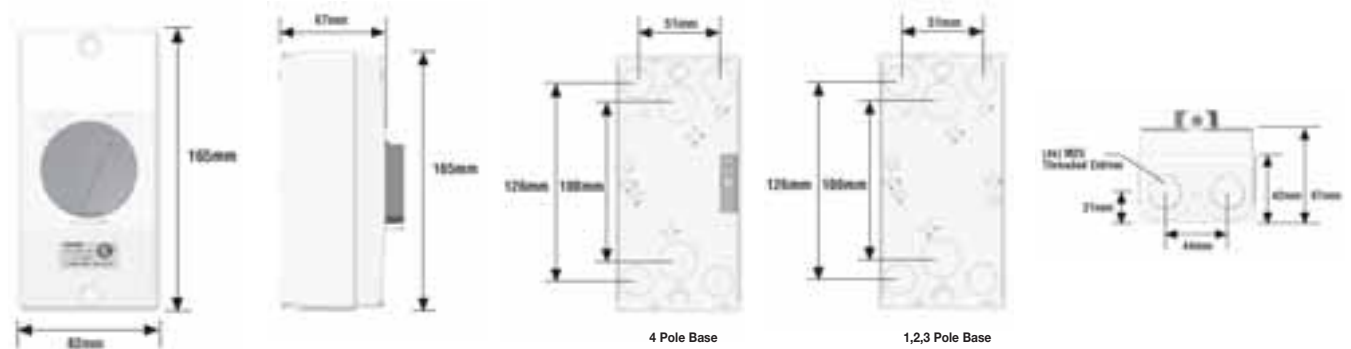
		S120EM	S132EM	S220EM	S232EM	S320EM	S332EM	S340EM	S363EM	NEW S432EM	NEW S463EM
Operation Voltage <i>U_e</i> (~50Hz)	V	240	240	415	415	415	415	415	415	415	415
Insulation Voltage <i>U_i</i> (~50Hz)	V	250	250	440	440	440	440	440	440	440	440
Impulse Withstand Voltage <i>U_{imp}</i> (~50Hz)	kV	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	1.5	2.5
Rated Thermal Current Enclosed <i>I_{the}</i>	A	20	32	20	32	20	32	40	63	32	63
Description		1 pole	1 pole	2 pole	2 pole	3 pole	3 pole	3 pole	3 pole	4 pole	4 pole
Cable Cross Sections Solid or Standard Min	mm ²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Max	mm ²	16	16	16	16	16	16	25	25	16	25
Terminal Screw		M5	M5	M5	M5	M5	M5	M6	M6	M5	M6
IEC 60947 AC21A	V	240	240	415	415	415	415	415	415	415	415
	A	20	32	20	32	20	32	40	63	32	63
AC23A	V	240	240	415	415	415	415	415	415	415	415
	A	21	21	21	21	21	21	35	45	21	45
Short-time Withstand Current 1 Sec	A	240	384	240	384	240	384	480	756	384	756
Rated Short Circuit Making Capacity	KAp	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
AS3133 Resistive	A	20	32	20	32	20	32	40	63	32	63
Inductive	AX	20	32	20	32	20	32	40	63	32	63
M-Rating		M125	M140	M125	M140	M125	M140	M160	M180	M140	M180

Note:

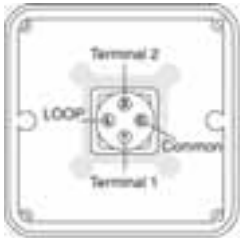
AC21A: Switch of AC resistive loads including moderate overloads.

AC23A: Switch of motor loads or other highly inductive loads.

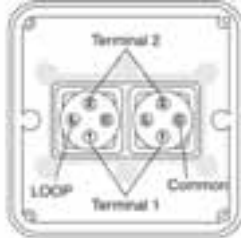
All switches supplied complete with base and switch accessory pack.



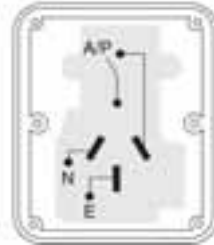
WIRING DIAGRAMS



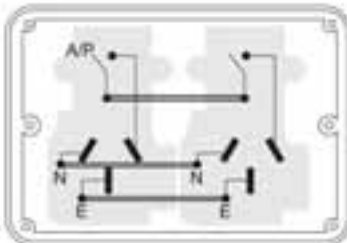
WSW201 Wiring Diagram



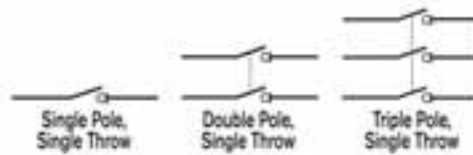
WSW202 Wiring Diagram



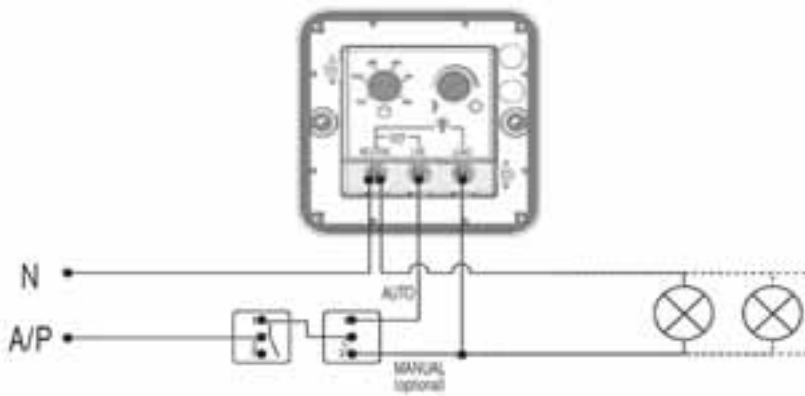
WSO310 Wiring Diagram



WSO310/2 Wiring Diagram









S Series Wiring Diagram



WDL10 Wiring Diagram

IP DESIGNATIONS









PROTECTION AGAINST SOLIDS

	TEST	PROTECTION
X	No test applied.	No specific protection.
0	No test applied.	Inherent degree of protection.
1		Protected against solid objects larger than 50mm (eg. accidental contact with hand).
2		Protected against solid objects larger than 12mm (eg. contact with finger).
3		Protected against solid objects larger than 2.5mm (eg. tools and wires).
4		Protected against solid objects larger than 1mm (eg. fine tools and wires).
5		Protected against quantities of dust that could interfere with satisfactory operation.
6		Completely protected against dust.

Defined by IEC 529
DIN 40050 CEI 70-1

To Australian Standards AS 1939 - 1991
'Classification of degrees of protection provided by enclosures for electrical equipment'.

PROTECTION AGAINST LIQUIDS

	TEST	PROTECTION
X	No test applied.	No specific protection.
0	No test applied.	Inherent degree of protection.
1		Protected against drops of water falling vertically.
2		Protected against drops of water falling at up to 15° from the vertical.
3		Protected against spraying water at up to 60° from the vertical.
4		Protected against splashing water from all directions.
5		Protected against jets of water from all directions.
6		Protected against jets of water of similar force to heavy seas.
7		Protected against the effects of immersion.
8		Protected against the effects of submersion.

Defined by IEC 529

Schneider Electric products are available through electrical wholesalers New Zealand wide

For PDL Electrical Products are designed to ISO 9001

Freecall 0800-652 999, Freefax 0800-101 152

Email sales@nz.schneider-electric.com

Online product detail www.pdl.co.nz

