Switches
and Sockets

Add a new dimension to your decor, with our award-winning ranges of modern switches and sockets. Combining world-class technical and safety features with stylish European design, we match form with function.

GOOD
DESIGN
AWARD®
WINNER

06

Page

Switches and
sockets

4 design styles, multiple combinations

allure range

The allure range is a contemporary addition and evolution of our switches and sockets. We have refreshed the traditional contour with the vision of keeping it sustainable and classical. **Pg.170**

finesse range

With the Hager design language in mind, the finesse range is an architectural story. Its timeless and slim design creates a world of small elegance, making the range peaceful and quiet. **Pg.178**

silhouette range

The silhouette range has a simple but elegant form based on the serene balance of proportions and the reduction to the object essentials, giving the product the right tone of voice in order to fit within its environment. **Pg.186**

Make the switch...

Extensive research with architects, interior designers, electrical contractors and consumers have created a dynamic, fully featured product range - with an array of styles, colours and finishes to suit any space.

Modules, Mechs and Accessories

Explore our wide range of modules, mechanisms and accessories to complete your installation and exceed your project requirements. **Pg.194**

A quality finish right down to the wire

Fingerprint resistant

For maximum lustre, our metal covers have a treated surface to reduce fingerprint marks.

UV stabilised

Strong impact resistant polycarbonate material will not 'yellow' over time.

Slim profile

Our silhouette and finesse ranges have the lowest profile on the market.

Standard 16AX mech

All of our standard mechanisms will handle a true 16AX fluorescent load.

We worked with architects, interior designers, electrical contractors and consumers to create a dynamic, fully featured range of switches and sockets - with an array of styles, colours and finishes to suit any space.

Child safe shutters

A spring loaded shutter protects little fingers from live parts inside sockets.

Roto-loc® mechanism

The patented Roto-loc system eliminates the possibility of the mechanism being pushed back into the wall cavity.

IP2X compliance

Provided with either a retained hinged cap in allure or deep screw receptor with finesse or silhouette for faster installation.

Added value

A full range of accessories and mechs including electronic push buttons and dimmers are also available.

allure

	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates				
	1 gang large plate switch, no mechanism	WBHSP1	10	
	2 gang large plate switch, no mechanism	WBHSP2	10	**Page 172**
	3 gang large plate switch, no mechanism	WBHSP3	10	
	4 gang large plate switch, no mechanism	WBHSP4	10	
Switches				
	1 gang large plate vertical switch	WBHSV1	10	
	2 gang large plate vertical switch	WBHSV2	10	**Page 174**
	3 gang large plate vertical switch	WBHSV3	5	
	4 gang large plate vertical switch	WBHSV4	5	
Socket outlets				
	10A single horizontal socket	WBHP1	10	
	10A single vertical socket	WBHP1VS	10	**Page 176**
	10A double horizontal socket	WBHP2S	10	
	10A double horizontal socket with extra switch	WBHP2XS	10	

finesse

	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates				
	1 gang large plate switch, no mechanism	WBQSP1	10	
	2 gang large plate switch, no mechanism	WBQSP2	10	**Page 180**
	3 gang large plate switch, no mechanism	WBQSP3	10	
	4 gang large plate switch, no mechanism	WBQSP4	10	
Switches				
	1 gang large plate vertical switch	WBQSV1	10	
	2 gang large plate vertical switch	WBQSV2	10	**Page 181**
	3 gang large plate vertical switch	WBQSV3	5	
	4 gang large plate vertical switch	WBQSV4	5	
Mechanical Push Button Switches				
	1 gang large plate vertical mechanical push button switch	WBQSV1PB	10	
	2 gang large plate vertical mechanical push button switch	WBQSV2PB	10	**Page 181**
	3 gang large plate vertical mechanical push button switch	WBQSV3PB	5	
	4 gang large plate vertical mechanical push button switch	WBQSV4PB	5	
Socket outlets				
	10A single horizontal socket	WBQP1S	10	
	10A single vertical socket	WBQP1VS	10	**Page 183**
	10A double horizontal socket	WBQP2S	10	
	10A double horizontal socket with extra switch	WBQP2XS	10	

silhouette

	Designation	Cat. Ref.	Pack QTY.	Page No.
Switch plates				
	1 gang large plate switch, no mechanism	WBSSP1	10	
	2 gang large plate switch, no mechanism	WBSSP2	10	**Page 188**
	3 gang large plate switch, no mechanism	WBSSP3	10	
	4 gang large plate switch, no mechanism	WBSSP4	10	
Switches				
	1 gang large plate vertical switch	WBSSV1	10	
	2 gang large plate vertical switch	WBSSV2	10	**Page 188**
	3 gang large plate vertical switch	WBSSV3	5	
	4 gang large plate vertical switch	WBSSV4	5	
Electronic push button switches				
	1 gang large plate vertical electronic push button switch	WBSEV1	1	
	2 gang large plate vertical electronic push button switch	WBSEV2	1	**Page 189**
	3 gang large plate vertical electronic push button switch	WBSEV3	1	
	4 gang large plate vertical electronic push button switch	WBSEV4	1	
Socket outlets				
	10A single horizontal socket	WBSP1S	10	
	10A single vertical socket	WBSP1VS	10	**Page 189**
	10A double horizontal socket	WBSP2S	10	
	10A double horizontal socket with extra switch	WBSP2XS	5	

Switches and sockets

Mechanisms

Standard and printed

Designation	Cat. Ref.	Pack QTY.	Page No.
Electronic Push Button	WBME5A	5	
Universal Electronic Push Button Dimmer	WBMDUPB	5	**Page 194**
Universal Rotary on/off Dimmer	WBMDUR	5	
Slave	WBMSLL	5	
16AX rated mechanism	WBM16AX	10	
10A intermediate mechanism	WBM10I	5	**Page 195**
10A double pole mechanism	WBM10D	5	
10A 3 position rotary mechanism	WBM10R3	5	**Page 197**

Data and television

Designation	Cat. Ref.	Pack QTY.	Page No.
Cat 6 jack	WBMCAT6	10	
F to PAL mechanism	WBMTV75PF	10	**Page 198**
F to F 'Foxtel' approved	WBMTV75PY	10	

Accessories

Mounting and surface accessories

Designation	Cat. Ref.	Pack QTY.	Page No.
Mounting block 32mm deep - suits silhouette range	WBSBMD	5	
Mounting block 32mm deep - suits Allure range	WBHBMD	5	
Mounting block 32mm deep - suits Finesse range	WBQBMD	5	**Page 200**
10A single surface socket	WBAP1	10	
Giant junction box	WBAJB4	5	**Page 201**
Standard junction box	WBAJB4S	5	

Weatherproof

Switches and sockets

Designation	Cat. Ref.	Pack QTY.	Page No.
16A, IP66 switches - 1 gang	WBWS116	1	
16A, IP66 switches - 2 gang	WBWS216	1	**Page 202**
10A, IP53 single socket	WBWP1S	1	
10A, IP53 double socket	WBWP2S	1	

Isolators

Designation	Cat. Ref.	Pack QTY.	Page No.
20A, 2 pole IP66 Isolator	JG220IN	1	
20A, 3 pole IP66 Isolator	JG320IN	1	**Page 203**
20A, 4 pole IP66 Isolator	JG420IN	1	

See pages for for full range

Switches and sockets

allure
refined, timeless

GOOD
DESIGN
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WINNER

Continuing on with Hager's design philosophy, the allure range is serenely balanced and can elevate any modern interior with its simplistic yet contemporary design.

The translucent edge that surrounds allure, accentuates its elegant profile – creating a unique floating effect.

Advantages:

- Available in gloss white, matt white and matt black to suit any decor or mood

- Quick close IP2x hinged screw caps

- Pre-fitted mounting screws for a quick installation

- Rotoloc® system

Characteristics:

- External material:	- UV stabilised
- Switches terminals:	- 4 x 1.5mm2 cables
- Sockets terminals:	- 4 x 2.5mm2 cables

Features
- Multiple mounting holes
- Supplied with standard 32mm fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Spray matt finishes available in matt white and matt black
- Level to assist installation
- Hinged IP2x caps
- Screw retention

RotoLoc

WBHSP1

WBHSP6

Switch Plates - No Mechanisms

Description	Available colours		Box qty	Cat ref.
1 gang	○	Gloss White	10	**WBHSP1**
	●	Matt Black	10	**WBHSP1-MB**
	○	Matt White	10	**WBHSP1-MW**
2 gang	○	Gloss White	10	**WBHSP2**
	●	Matt Black	10	**WBHSP2-MB**
	○	Matt White	10	**WBHSP2-MW**
3 gang	○	Gloss White	10	**WBHSP3**
	●	Matt Black	10	**WBHSP3-MB**
	○	Matt White	10	**WBHSP3-MW**
4 gang	○	Gloss White	10	**WBHSP4**
	●	Matt Black	10	**WBHSP4-MB**
	○	Matt White	10	**WBHSP4-MW**
5 gang	○	Gloss White	10	**WBHSP5**
	●	Matt Black	10	**WBHSP5-MB**
	○	Matt White	10	**WBHSP5-MW**
6 gang	○	Gloss White	10	**WBHSP6**
	●	Matt Black	10	**WBHSP6-MB**
	○	Matt White	10	**WBHSP6-MW**
Blank	○	Gloss White	5	**WBHSPB**
	●	Matt Black	5	**WBHSPB-MB**
	○	Matt White	5	**WBHSPB-MW**
Brush cable entry	○	Gloss White	5	**WBHSPCE**
	●	Matt Black	5	**WBHSPCE-MB**
	○	Matt White	5	**WBHSPCE-MW**

Switches and sockets

Subject to technical modification / ★ **New** ✕ **Ended** → **Replacement**

:hager

Features

- Multiple mounting holes
- Supplied with standard 32mm fixing screws
- High impact, high gloss UV stabilised polycarbonate construction

- For use with non-Hager mechanisms
- Spray matt finishes available in matt white and matt black

- Level to assist installation
- Hinged IP2x caps
- Screw retention

Switch Plates - Hybrid

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBHHSP1**
	● Matt Black	10	**WBHHSP1-MB**
	○ Matt White	10	**WBHHSP1-MW**
2 gang	○ Gloss White	10	**WBHHSP2**
	● Matt Black	10	**WBHHSP2-MB**
	○ Matt White	10	**WBHHSP2-MW**
3 gang	○ Gloss White	10	**WBHHSP3**
	● Matt Black	10	**WBHHSP3-MB**
	○ Matt White	10	**WBHHSP3-MW**
4 gang	○ Gloss White	10	**WBHHSP4**
	● Matt Black	10	**WBHHSP4-MB**
	○ Matt White	10	**WBHHSP4-MW**

WBHHSP1

WBHHSP4

Switches and sockets

Features
- Multiple mounting holes
- Supplied with captive 32mm fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Level to assist installation

- Spray matt finishes available in matt white and matt black
- Switch when supplied are fitted with 16AX mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard
- Hinged IP2x caps

- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm² cable

Dimension data: Page 206 and 207

RotoLoc

Switches

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBHSV1**
	● Matt Black	10	**WBHSV1-MB**
	○ Matt White	10	**WBHSV1-MW**
2 gang	○ Gloss White	10	**WBHSV2**
	● Matt Black	10	**WBHSV2-MB**
	○ Matt White	10	**WBHSV2-MW**
3 gang	○ Gloss White	5	**WBHSV3**
	● Matt Black	5	**WBHSV3-MB**
	○ Matt White	5	**WBHSV3-MW**
4 gang	○ Gloss White	5	**WBHSV4**
	● Matt Black	5	**WBHSV4-MB**
	○ Matt White	5	**WBHSV4-MW**
5 gang	○ Gloss White	5	**WBHSV5**
	● Matt Black	5	**WBHSV5-MB**
	○ Matt White	5	**WBHSV5-MW**
6 gang	○ Gloss White	5	**WBHSV6**
	● Matt Black	5	**WBHSV6-MB**
	○ Matt White	5	**WBHSV6-MW**

WBHSV1

WBHSV1-MB

Switches - Architrave

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	5	**WBHSA1**
	● Matt Black	5	**WBHSA1-MB**
	○ Matt White	5	**WBHSA1-MW**
2 gang	○ Gloss White	5	**WBHSA2**
	● Matt Black	5	**WBHSA2-MB**
	○ Matt White	5	**WBHSA2-MW**
3 gang	○ Gloss White	5	**WBHSA3**
	● Matt Black	5	**WBHSA3-MB**
	○ Matt White	5	**WBHSA3-MW**

WBHSA2

Switches and sockets

Features

- Multiple mounting holes
- Supplied with captive 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Level to assist installation
- Spray matt finishes available in matt white and matt black

- 2 way and loop terminal as standard
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Hinged IP2x caps
- Terminals accommodate 4 x 1.5mm² cable

Cooker switch features

- Double pole
- Comes with 2 covers
  - One marked with 'cooker'
  - One with no marking
- Terminals accept 6mm2 cable

Dimension data: Page 206 and 207

RotoLoc

IP44 Switches - vertical

Description	Characteristics	Available colours	Box qty	Cat ref.
1 gang	10A	○ Gloss White	10	**WBHWSV1**
		● Matt Black	10	**WBHWSV1-MB**
		○ Matt White	10	**WBHWSV1-MW**
2 gang	10A	○ Gloss White	10	**WBHWSV2**
		● Matt Black	10	**WBHWSV2-MB**
		○ Matt White	10	**WBHWSV2-MW**
3 gang	10A	○ Gloss White	10	**WBHWSV3**
		● Matt Black	10	**WBHWSV3-MB**
		○ Matt White	10	**WBHWSV3-MW**

WBHWSV1

IP44 Switches - horizontal

Description	Characteristics	Available colours	Box qty	Cat ref.
1 gang	10A	○ Gloss White	10	**WBHWSH1**
		● Matt Black	10	**WBHWSH1-MB**
		○ Matt White	10	**WBHWSH1-MW**
2 gang	10A	○ Gloss White	10	**WBHWSH2**
		● Matt Black	10	**WBHWSH2-MB**
		○ Matt White	10	**WBHWSH2-MW**
3 gang	10A	○ Gloss White	10	**WBHWSH3**
		● Matt Black	10	**WBHWSH3-MB**
		○ Matt White	10	**WBHWSH3-MW**

WBHWSH1

Switches - Vertical Cooker Switch

Description	Characteristics	Available colours	Box qty	Cat ref.
Vertical cooker switch Double pole	40A, 2 Pole	○ Gloss White	1	**WBHCKSV1**
		● Matt Black	1	**WBHCKSV1-MB**
		○ Matt White	1	**WBHCKSV1-MW**

WBHCKSV1

Switches - Horizontal Cooker Switch

Description	Characteristics	Available colours	Box qty	Cat ref.
Horizontal cooker switch Double pole	40A, 2 Pole	○ Gloss White	1	**WBHCKSH1**
		● Matt Black	1	**WBHCKSH1-MB**
		○ Matt White	1	**WBHCKSH1-MW**

WBHCKSH1

Switches and sockets

Features
- Removable covers for ease of painting
- Multiple mounting holes
- Terminal screws "backed off"
- Level to assist installation
- Bevelled and colour coded cable entries aligned for ease of termination
- Supplied with retained tapered point 32mm fixing screws

- Hinged IP2x caps
- Spray matt finishes available in matt white and matt black

Technical data
- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- High impact, high gloss UV stabilised polycarbonate construction
- Terminal accommodates 4 x 2.5mm^2 cable

Dimension data: Page 206

RotoLoc

WBHP2S

WBHP2S-MB

WBHP2SUSBAC-MW

Sockets - horizontal

Description	Characteristics	Available colours	Box qty	Cat ref.
Single sockets	10A	Gloss White	10	**WBHP1S**
		Matt Black	10	**WBHP1S-MB**
		Matt White	10	**WBHP1S-MW**
	10A 'Round Earth'	Gloss White	10	**WBHP1R**
		Matt Black	10	**WBHP1R-MB**
		Matt White	10	**WBHP1R-MW**
	15A	Gloss White	5	**WBHP115**
		Matt Black	5	**WBHP115-MB**
		Matt White	5	**WBHP115-MW**
	20A	Gloss White	5	**WBHP120**
		Matt Black	5	**WBHP120-MB**
		Matt White	5	**WBHP120-MW**
Double sockets	10A	Gloss White	10	**WBHP2S**
		Matt Black	10	**WBHP2S-MB**
		Matt White	10	**WBHP2S-MW**
Double sockets with extra 16AX switch	10A	Gloss White	10	**WBHP2XS**
		Matt Black	10	**WBHP2XS-MB**
		Matt White	10	**WBHP2XS-MW**
Double sockets with extra switch position (no mech)	10A	Gloss White	10	**WBHP2XSB**
		Matt Black	10	**WBHP2XSB-MB**
		Matt White	10	**WBHP2XSB-MW**
Double sockets with USB Type A and Type C	10A	Gloss White	1	**WBHP2SUSBAC**
		Matt Black	1	**WBHP2SUSBAC-MB**
		Matt White	1	**WBHP2SUSBAC-MW**

WBHPIV-MB

Sockets - vertical

Description	Available colours	Box qty	Cat ref.
Single Sockets	Gloss White	10	**WBHP1V**
	Matt Black	10	**WBHP1V-MB**
	Matt White	10	**WBHP1V-MW**
Double Socket	Gloss White	10	**WBHP2VS**

WBHA4PP-MB

4 Gang Socket Cover Kit

Description	Available colours	Box qty	Cat ref.
	Gloss White	5	**WBHA4PP**
	Matt Black	5	**WBHA4PP-MB**
	Matt White	5	**WBHA4PP-MW**

Note: 2x allure double sockets (WBHP2S-xx) required (not supplied with kit)

Switches and sockets

:hager

Features
- High impact, high gloss UV stabilised polycarbonate
- Spray matt finishes available in matt white and matt black

Switch Cover Plates

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBHCS1**
	● Matt Black	10	**WBHCS1-MB**
	○ Matt White	10	**WBHCS1-MW**
2 gang	○ Gloss White	10	**WBHCS2**
	● Matt Black	10	**WBHCS2-MB**
	○ Matt White	10	**WBHCS2-MW**
3 gang	○ Gloss White	10	**WBHCS3**
	● Matt Black	10	**WBHCS3-MB**
	○ Matt White	10	**WBHCS3-MW**
4 gang	○ Gloss White	10	**WBHCS4**
	● Matt Black	10	**WBHCS4-MB**
	○ Matt White	10	**WBHCS4-MW**
5 gang	○ Gloss White	10	**WBHCS5**
	● Matt Black	10	**WBHCS5-MB**
	○ Matt White	10	**WBHCS5-MW**
6 gang	○ Gloss White	10	**WBHCS6**
	● Matt Black	10	**WBHCS6-MB**
	○ Matt White	10	**WBHCS6-MW**

WBHCS1

WBHCS4-MB

Socket Cover Plates - horizontal

Description	Available colours	Box qty	Cat ref.
Cover single socket	○ Gloss White	5	**WBHCP1**
	● Matt Black	5	**WBHCP1-MB**
	○ Matt White	5	**WBHCP1-MW**
Cover double socket	○ Gloss White	5	**WBHCP2**
	● Matt Black	5	**WBHCP2-MB**
	○ Matt White	5	**WBHCP2-MW**
Cover double socket with extra switch	○ Gloss White	5	**WBHCP2XS**
	● Matt Black	5	**WBHCP2XS-MB**
	○ Matt White	5	**WBHCP2XS-MW**

WBHCP2-MW

WBHCP2XS-MB

Switches and sockets

Socket Cover Plates - vertical

Description	Available colours	Box qty	Cat ref.
Cover single socket	○ Gloss White	5	**WBHCP1V**
	● Matt Black	5	**WBHCP1V-MB**
	○ Matt White	5	**WBHCP1V-MW**

WBHCP1V-MB

finesse
minimal, sleek

GOOD DESIGN AWARD® WINNER

The architecturally inspired finesse range is sure to impress audiences with its minimalistic and precise design, and is considered to be ingeniously simplistic.

Its remarkable slim profile together with a refined translucent edge, perfectly complements the sharp and clean lines of a surrounding modern interior.

Advantages:

- Sleek 4.6mm profile

- Available in gloss white, matt white and matt black to suit any decor or mood

- Rotoloc® system

Characteristics:

- External material:	- UV stabilised
- Switches terminals:	- 4 x 1.5mm2 cables
- Sockets terminals:	- 4 x 2.5mm2 cables

Features
- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Spray matt finishes available in matt white and matt black
- Screw retention
- Hybrid plates for non-Hager Rotoloc® mechanisms

RotoLoc

WBQSP4

WBQSPB
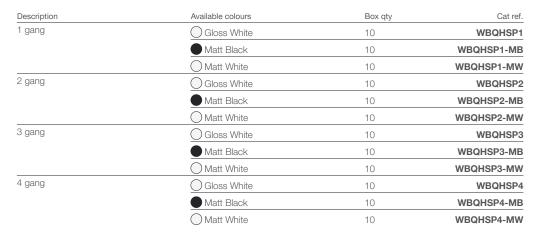
WBQSPCE-MW

Switch Plates - No Mechanisms

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBQSP1**
	● Matt Black	10	**WBQSP1-MB**
	○ Matt White	10	**WBQSP1-MW**
2 gang	○ Gloss White	10	**WBQSP2**
	● Matt Black	10	**WBQSP2-MB**
	○ Matt White	10	**WBQSP2-MW**
3 gang	○ Gloss White	10	**WBQSP3**
	● Matt Black	10	**WBQSP3-MB**
	○ Matt White	10	**WBQSP3-MW**
4 gang	○ Gloss White	10	**WBQSP4**
	● Matt Black	10	**WBQSP4-MB**
	○ Matt White	10	**WBQSP4-MW**
5 gang	○ Gloss White	10	**WBQSP5**
	● Matt Black	10	**WBQSP5-MB**
	○ Matt White	10	**WBQSP5-MW**
6 gang	○ Gloss White	10	**WBQSP6**
	● Matt Black	10	**WBQSP6-MB**
	○ Matt White	10	**WBQSP6-MW**
Blank	○ Gloss White	10	**WBQSPB**
	● Matt Black	10	**WBQSPB-MB**
	○ Matt White	10	**WBQSPB-MW**
Brush cable entry plate	○ Gloss White	5	**WBQSPCE**
	● Matt Black	5	**WBQSPCE-MB**
	○ Matt White	5	**WBQSPCE-MW**

WBQHSP1

WBQHSP4

Switch Plates - Hybrid
(For use with non-Hager mechanisms)

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBQHSP1**
	● Matt Black	10	**WBQHSP1-MB**
	○ Matt White	10	**WBQHSP1-MW**
2 gang	○ Gloss White	10	**WBQHSP2**
	● Matt Black	10	**WBQHSP2-MB**
	○ Matt White	10	**WBQHSP2-MW**
3 gang	○ Gloss White	10	**WBQHSP3**
	● Matt Black	10	**WBQHSP3-MB**
	○ Matt White	10	**WBQHSP3-MW**
4 gang	○ Gloss White	10	**WBQHSP4**
	● Matt Black	10	**WBQHSP4-MB**
	○ Matt White	10	**WBQHSP4-MW**

Switches and sockets

:hager

Features

- Multiple mounting holes
- Supplied with captive 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Press mechs 10A

- Spray matt finishes available in matt white and matt black
- Switch when supplied are fitted with 16AX mechanisms (suitable for fluorescent loads)
- 2 way and loop terminal as standard

- Combination head screws 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm² cable
- Push button mechanical switches rated 10A
- 240V press button mechs - 10AX

Dimension data: Page 208

RotoLoc

Switches

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBQSV1**
	● Matt Black	10	**WBQSV1-MB**
	○ Matt White	10	**WBQSV1-MW**
2 gang	○ Gloss White	10	**WBQSV2**
	● Matt Black	10	**WBQSV2-MB**
	○ Matt White	10	**WBQSV2-MW**
3 gang	○ Gloss White	5	**WBQSV3**
	● Matt Black	5	**WBQSV3-MB**
	○ Matt White	5	**WBQSV3-MW**
4 gang	○ Gloss White	5	**WBQSV4**
	● Matt Black	5	**WBQSV4-MB**
	○ Matt White	5	**WBQSV4-MW**
5 gang	○ Gloss White	5	**WBQSV5**
	● Matt Black	5	**WBQSV5-MB**
	○ Matt White	5	**WBQSV5-MW**
6 gang	○ Gloss White	5	**WBQSV6**
	● Matt Black	5	**WBQSV6-MB**
	○ Matt White	5	**WBQSV6-MW**

WBQSV1

WBQSV4-MB

Switches with 240V Press Mech

Description	Characteristics	Available colours	Box qty	Cat ref.
1 gang	10AX	○ Gloss White	5	**WBQSV1PB**
		● Matt Black	5	**WBQSV1PB-MB**
		○ Matt White	5	**WBQSV1PB-MW**
2 gang	10AX	○ Gloss White	5	**WBQSV2PB**
		● Matt Black	5	**WBQSV2PB-MB**
		○ Matt White	5	**WBQSV2PB-MW**
3 gang	10AX	○ Gloss White	5	**WBQSV3PB**
		● Matt Black	5	**WBQSV3PB-MB**
		○ Matt White	5	**WBQSV3PB-MW**
4 gang	10AX	○ Gloss White	5	**WBQSV4PB**
		● Matt Black	5	**WBQSV4PB-MB**
		○ Matt White	5	**WBQSV4PB-MW**
240V LED for PB mech LED - blue (Not supplied with switches)	240V		20	**WBAPBLED**

WBQSV1PB

WBAPBLED

Switches and sockets

Features
- Multiple mounting holes
- Supplied with captive 32mm tapered point fixing screws
- No mechanism push back
- High impact, high gloss UV stabilised polycarbonate construction
- Spray matt finishes available in matt white and matt black
- Switch when supplied are fitted with 16AX mechanisms (suitable for fluorescent loads)

- 2 way and loop terminal as standard
- Terminals accommodate 4 x 1.5mm² cable
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion

Cooker switch features
- Double pole
- Comes with 2 covers
  - One marked with 'cooker'
  - One with no marking
- Terminals accept 6mm2 cable

Dimension data: Page 208 and 209

RotoLoc

Architrave Switches

WBQSA2

Description	Available colours	Box qty	Cat ref.
1 gang	◯ Gloss White	10	**WBQSA1**
	● Matt Black	10	**WBQSA1-MB**
	◯ Matt White	10	**WBQSA1-MW**
2 gang	◯ Gloss White	10	**WBQSA2**
	● Matt Black	10	**WBQSA2-MB**
	◯ Matt White	10	**WBQSA2-MW**
3 gang	◯ Gloss White	5	**WBQSA3**
	● Matt Black	5	**WBQSA3-MB**
	◯ Matt White	5	**WBQSA3-MW**

Switches - Vertical Cooker Switch

WBQCKSV1

Description	Characteristics	Available colours	Box qty	Cat ref.
Vertical cooker switch Double pole	40A, 2 Pole	◯ Gloss White	1	**WBQCKSV1**
		● Matt Black	1	**WBQCKSV1-MB**
		◯ Matt White	1	**WBQCKSV1-MW**

Switches - Horizontal Cooker Switch

WBQCKSH1

Description	Characteristics	Available colours	Box qty	Cat ref.
Horizontal cooker switch Double pole	40A, 2 Pole	◯ Gloss White	1	**WBQCKSH1**
		● Matt Black	1	**WBQCKSH1-MB**
		◯ Matt White	1	**WBQCKSH1-MW**

Switches and sockets

Features
- Removable covers for ease of painting
- Multiple mounting holes
- Terminal screws "backed off"
- Bevelled and colour coded cable entries aligned for ease of termination
- Supplied with retained tapered point 32mm fixing screws
- Spray matt finishes available in matt white and matt black

Technical data
- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- Terminal accommodates 4 x 2.5mm^2 cable
- High impact, high gloss UV stabilised polycarbonate construction

Dimension data: Page 208

RotoLoc

Sockets - horizontal

Description	Characteristics	Available colours		Box qty	Cat ref.
Single sockets	10A	○	Gloss White	10	**WBQP1S**
		●	Matt Black	10	**WBQP1S-MB**
		○	Matt White	10	**WBQP1S-MW**
	10A 'Round Earth'	○	Gloss White	10	**WBQP1R**
		●	Matt Black	10	**WBQP1R-MB**
		○	Matt White	10	**WBQP1R-MW**
	15A	○	Gloss White	5	**WBQP115S**
		●	Matt Black	5	**WBQP115S-MB**
		○	Matt White	5	**WBQP115S-MW**
Double sockets	10A	○	Gloss White	10	**WBQP2S**
		●	Matt Black	10	**WBQP2S-MB**
		○	Matt White	10	**WBQP2S-MW**
Double sockets with extra switch	10A	○	Gloss White	10	**WBQP2XS**
		●	Matt Black	10	**WBQP2XS-MB**
		○	Matt White	10	**WBQP2XS-MW**
Double sockets with extra switch position (no mech)	10A	○	Gloss White	10	**WBQP2XSB**
		●	Matt Black	10	**WBQP2XSB-MB**
		○	Matt White	10	**WBQP2XSB-MW**
Double sockets with USB Type A and Type C	10A	○	Gloss White	1	**WBQP2SUSBAC**
		●	Matt Black	1	**WBQP2SUSBAC-MB**
		○	Matt White	1	**WBQP2SUSBAC-MW**

WBQP2S

WBQP2S-MB

WBQP2SUSBAC

Sockets - vertical

Description	Characteristics	Available colours		Box qty	Cat ref.
Single socket	10A	○	Gloss White	10	**WBQP1VS**
		●	Matt Black	10	**WBQP1VS-MB**
		○	Matt White	10	**WBQP1VS-MW**

WBQP1VS

Switches and sockets

Features
- High impact, high gloss UV stabilised polycarbonate
- Spray matt finishes available in matt white and matt black

★ New ✕ Ended → hager

WBQCV1

WBQCV4

Switch Cover Plates

Description	Available colours	Box qty	Cat ref.
1 gang	○ Gloss White	10	**WBQCV1**
	● Matt Black	10	**WBQCV1-MB**
	○ Matt White	10	**WBQCV1-MW**
2 gang	○ Gloss White	10	**WBQCV2**
	● Matt Black	10	**WBQCV2-MB**
	○ Matt White	10	**WBQCV2-MW**
3 gang	○ Gloss White	10	**WBQCV3**
	● Matt Black	10	**WBQCV3-MB**
	○ Matt White	10	**WBQCV3-MW**
4 gang	○ Gloss White	10	**WBQCV4**
	● Matt Black	10	**WBQCV4-MB**
	○ Matt White	10	**WBQCV4-MW**
5 gang	○ Gloss White	10	**WBQCV5**
	● Matt Black	10	**WBQCV5-MB**
	○ Matt White	10	**WBQCV5-MW**
6 gang	○ Gloss White	10	**WBQCV6**
	● Matt Black	10	**WBQCV6-MB**
	○ Matt White	10	**WBQCV6-MW**

Switches and sockets

Features
- High impact, high gloss UV stabilised polycarbonate
- Spray matt finishes available in matt white and matt black

Socket Cover Plates - horizontal

Description	Available colours	Box qty	Cat ref.
Cover single socket	○ Gloss White	5	**WBQCP1**
	● Matt Black	5	**WBQCP1-MB**
	○ Matt White	5	**WBQCP1-MW**
Cover double socket	○ Gloss White	5	**WBQCP2**
	● Matt Black	5	**WBQCP2-MB**
	○ Matt White	5	**WBQCP2-MW**
Cover double socket with extra switch	○ Gloss White	5	**WBQCP2XS**
	● Matt Black	5	**WBQCP2XS-MB**
	○ Matt White	5	**WBQCP2XS-MW**

WBQCP1

WBQCP2XS-MB

Socket Cover Plates - vertical

Description	Available colours	Box qty	Cat ref.
Cover single socket	○ Gloss White	5	**WBQCPV1**
	● Matt Black	5	**WBQCPV1-MB**
	○ Matt White	5	**WBQCPV1-MW**

WBQCPV1

silhouette
so fine, just stunning

GOOD DESIGN Award

Slim switches & sockets that blend into the wall have been a demand in the electrical industry for many years. silhouette has excelled in meeting this demand thanks to a thickness of only 4mm off the wall surface.

The silhouette range follows the Hager design philosophy – our design intention is to create meaningful, simple but elegant forms based on the serene balance of proportions.

Switches and sockets

Advantages:

- Slim 4mm profile off the wall surface

- Premium finish with real brushed aluminium and stainless steel materials.

- The small size socket base makes it easy to fit off with common mounting accessories.

- Electronic push button switches and dimmers fit into the range with our patented Rotoloc® system.

Characteristics:

- External material:	- UV stabilised polycarbonate
- Switches terminals:	- 4 x 1.5mm2 cables
- Sockets terminals:	- 4 x 2.5mm2 cables

Features

- Multiple mounting holes
- Supplied with standard 32mm tapered point fixing screws
- No mechanism push back
- High impact high gloss UV stabilised Polycarbonate construction
- 16AX used as standard mechanisms (suitable for fluorescent loads)

- 2 way and loop terminal as standard
- Combination head screws Phillip's #1 'backed off' for ease of cable insertion
- Terminals accommodate 4 x 1.5mm2 cable

Dimension data: Page 205

RotoLoc
Featured in all switch plates

WBSSP4

WBSSP6

WBSHSP2

Switch Plates only - No Mechanisms

Description	Available colours	Box qty	Cat ref.
1 gang	White	10	**WBSSP1**
	Matt Black	10	**WBSSP1-MB**
	Matt White	10	**WBSSP1-MW**
2 gang	White	10	**WBSSP2**
	Matt Black	10	**WBSSP2-MB**
	Matt White	10	**WBSSP2-MW**
3 gang	White	10	**WBSSP3**
	Matt Black	10	**WBSSP3-MB**
	Matt White	10	**WBSSP3-MW**
4 gang	White	10	**WBSSP4**
	Matt Black	10	**WBSSP4-MB**
	Matt White	10	**WBSSP4-MW**
5 gang	White	10	**WBSSP5**
	Matt Black	10	**WBSSP5-MB**
	Matt White	10	**WBSSP5-MW**
6 gang	White	10	**WBSSP6**
	Matt Black	10	**WBSSP6-MB**
	Matt White	10	**WBSSP6-MW**
Blank	White	5	**WBSSPB**
Hybrid Plates 2 gang	White	10	**WBSHSP2**
	Matt Black	10	**WBSHSP2-MB**
	Matt White	10	**WBSHSP2-MW**
Hybrid Plates 4 gang	White	10	**WBSHSP4**
	Matt Black	10	**WBSHSP4-MB**
	Matt White	10	**WBSHSP4-MW**

WBSSV1-MW

WBSSV1-MB

Switches

Description	Available colours	Box qty	Cat ref.
1 gang	White	10	**WBSSV1**
	Matt Black	10	**WBSSV1-MB**
	Matt White	10	**WBSSV1-MW**
2 gang	White	10	**WBSSV2**
	Matt Black	10	**WBSSV2-MB**
	Matt White	10	**WBSSV2-MW**
3 gang	White	5	**WBSSV3**
	Matt Black	5	**WBSSV3-MB**
	Matt White	5	**WBSSV3-MW**
4 gang	White	5	**WBSSV4**
	Matt Black	5	**WBSSV4-MB**
	Matt White	5	**WBSSV4-MW**
5 gang	White	5	**WBSSV5**
	Matt Black	5	**WBSSV5-MB**
	Matt White	5	**WBSSV5-MW**
6 gang	White	5	**WBSSV6**
	Matt Black	5	**WBSSV6-MB**
	Matt White	5	**WBSSV6-MW**

Switches and sockets

Subject to technical modification / ★ New ✕ Ended → Replacement

Features

- Removable covers for ease of painting
- Transparent blue mounting grid for easy installation
- Multiple mounting holes
- Terminal screws "backed off"
- Bevelled and colour coded cable entries aligned for ease of termination

- Supplied with standard tapered point 32mm fixing screws

Technical data
- All sockets 250V 50Hz rated
- Extra switch models fitted with 16AX mechanisms
- Hi impact high gloss UV stabilised Polycarbonate construction

- Terminal accommodates 4 x 2.5mm2 cable
- Electronic PB switches are 5A

Dimension data: Page 205

Switches with Electronic Push Button

Description	Available colours	Box qty	Cat ref.
1 gang	○ White	1	**WBSEV1**
2 gang	○ White	1	**WBSEV2**
3 gang	○ White	1	**WBSEV3**
4 gang	○ White	1	**WBSEV4**
5 gang	○ White	1	**WBSEV5**
6 gang	○ White	1	**WBSEV6**

WBSEV2

Switches - cooker switch

Description	Available colours	Box qty	Cat ref.
40A cooker switches 1 gang	○ Gloss White	1	**WBSCKSV1**
	● Matt Black	1	**WBSCKSV1-MB**
	○ Matt White	1	**WBSCKSV1-MW**

Sockets - horizontal

Description	Characteristics	Available colours	Box qty	Cat ref.
Single sockets	10A	○ White	10	**WBSP1S**
		● Matt Black	10	**WBSP1S-MB**
		○ Matt White	10	**WBSP1S-MW**
	10A 'Round Earth'	○ White	10	**WBSP1R**
		● Matt Black	10	**WBSP1R-MB**
	15A	○ White	5	**WBSP115S**
		● Matt Black	5	**WBSP115S-MB**
		○ Matt White	5	**WBSP115S-MW**
Double sockets	10A	○ White	10	**WBSP2S**
		● Matt Black	10	**WBSP2S-MB**
		○ Matt White	10	**WBSP2S-MW**
Double socket with extra switch	10A	○ White	5	**WBSP2XS**
		● Matt Black	5	**WBSP2XS-MB**
		○ Matt White	5	**WBSP2XS-MW**
Double socket with extra switch position (no mech)	10A	○ White	5	★ **WBSP2XSPB**
		● Matt Black	5	★ **WBSP2XSPB-MB**
		○ Matt White	5	★ **WBSP2XSPB-MW**
Double sockets with USB Type A and Type C	10A	○ White	1	**WBSP2SUSBAC**
		● Matt Black	1	**WBSP2SUSBAC-MB**
		○ Matt White	1	**WBSP2SUSBAC-MW**

WBSP2S

WBSP2S-MB

WBSP2SUSBAC

Sockets - vertical

Description	Characteristics	Available colours	Box qty	Cat ref.
Single sockets	10A	○ White	5	**WBSP1VS**
		● Matt Black	5	**WBSP1VS-MB**
		○ Matt White	5	**WBSP1VS-MW**

Features
- Hi impact high gloss UV stabilised Polycarbonate, real aluminium or real stainless steel construction
- Matt black, white or clear anodized aluminium or brushed stainless steel finish, to reduce finger printing

Dimension data Page 205

WBSCV1-MB

WBSCV2-AL

Switch Covers

Description	Available colours	Box qty	Cat ref.
1 gang	◯ Gloss White	5	**WBSCV1**
	● Matt Black	5	**WBSCV1-MB**
	◯ Matt White	5	**WBSCV1-MW**
	◯ Aluminium	5	**WBSCV1-AL**
	◯ Stainless Steel	5	**WBSCV1-SS**
2 gang	◯ Gloss White	5	**WBSCV2**
	● Matt Black	5	**WBSCV2-MB**
	◯ Matt White	5	**WBSCV2-MW**
	◯ Aluminium	5	**WBSCV2-AL**
	◯ Stainless Steel	5	**WBSCV2-SS**
3 gang	◯ Gloss White	5	**WBSCV3**
	● Matt Black	5	**WBSCV3-MB**
	◯ Matt White	5	**WBSCV3-MW**
	◯ Aluminium	5	**WBSCV3-AL**
	◯ Stainless Steel	5	**WBSCV3-SS**
4 gang	◯ Gloss White	5	**WBSCV4**
	● Matt Black	5	**WBSCV4-MB**
	◯ Matt White	5	**WBSCV4-MW**
	◯ Aluminium	5	**WBSCV4-AL**
	◯ Stainless Steel	5	**WBSCV4-SS**
5 gang	◯ Gloss White	5	**WBSCV5**
	● Matt Black	5	**WBSCV5-MB**
	◯ Matt White	5	**WBSCV5-MW**
	◯ Aluminium	5	**WBSCV5-AL**
	◯ Stainless Steel	5	**WBSCV5-SS**
6 gang	◯ Gloss White	5	**WBSCV6**
	● Matt Black	5	**WBSCV6-MB**
	◯ Matt White	5	**WBSCV6-MW**
	◯ Aluminium	5	**WBSCV6-AL**
	◯ Stainless Steel	5	**WBSCV6-SS**
Blank	● Matt Black	5	**WBSCPB-MB**
	◯ Matt White	5	**WBSCPB-MW**

Switches and sockets

:hager

Features
- Hi impact high gloss UV stabilised Polycarbonate
- Spray matt finishes available in matt white and matt black

Dimension data Page 205

Socket Covers - horizontal

| Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	**WBSCP1**
	Matt Black	5	**WBSCP1-MB**
	Matt White	5	**WBSCP1-MW**
	Aluminium	5	**WBSCP1-AL**
	Stainless Steel	5	**WBSCP1-SS**
Cover double socket	Gloss White	5	**WBSCP2**
	Matt Black	5	**WBSCP2-MB**
	Matt White	5	**WBSCP2-MW**
	Aluminium	5	**WBSCP2-AL**
	Stainless Steel	5	**WBSCP2-SS**
Cover double socket with extra switch	Gloss White	5	**WBSCP2X**
	Matt Black	5	**WBSCP2X-MB**
	Matt White	5	**WBSCP2X-MW**
	Aluminium	5	**WBSCP2X-AL**
	Stainless Steel	5	**WBSCP2X-SS**

WBSCP2-SS

WBSCP2X-MB
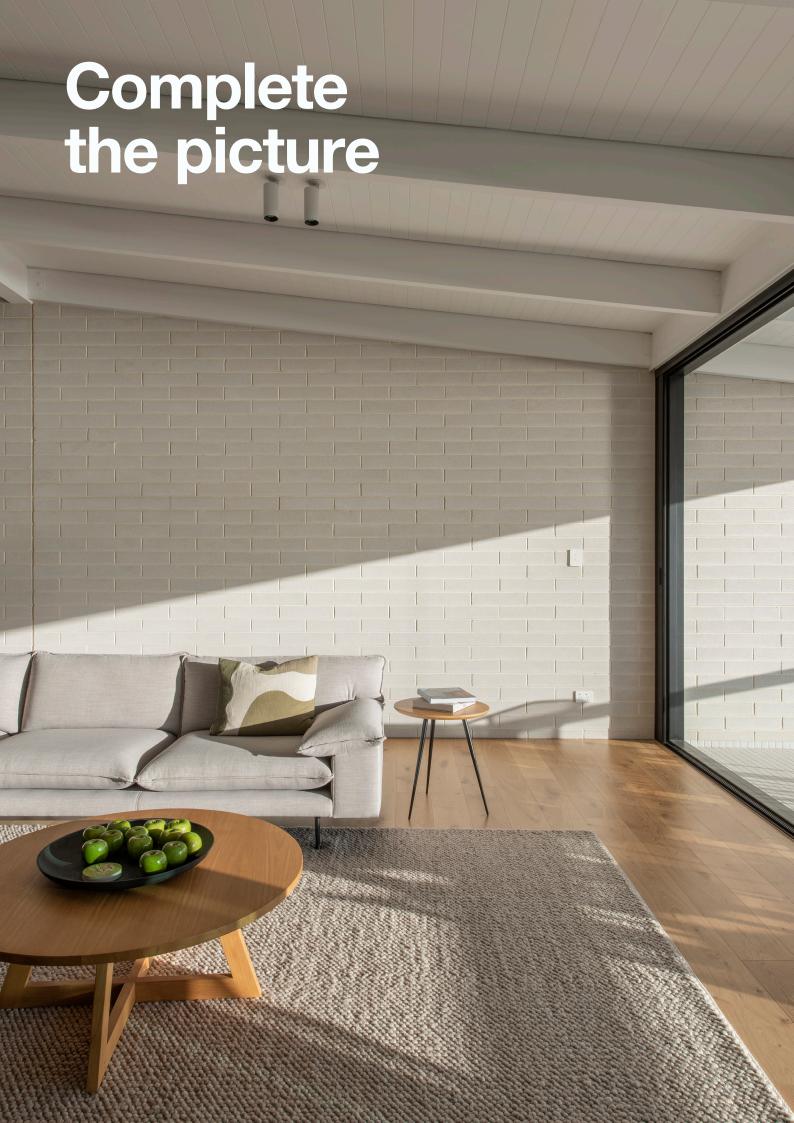
Socket Covers - vertical

Description	Available colours	Box qty	Cat ref.
Cover single socket	Gloss White	5	**WBSVCP1**
	Matt Black	5	**WBSVCP1-MB**
	Aluminium	5	**WBSVCP1-AL**
	Stainless Steel	5	**WBSVCP1-SS**

WBSVCP1-AL

Complete
the picture

Mechanisms, accessories & weatherproof range

Switches and sockets

Features:
- Slave Push Button Switch available
- All electronic mechanisms are EMC compliant
- Supplied with White, Matt Black and Matt White caps or rotary knob

Dimmer Installation Guide: Page 210

RotoLoc

WBME5A

Electronic Push Button Switch Mechanism

Description	Available colours	Box qty	Cat ref.
230/240V AC 1200W	⚪ White Complete with MB and MW interchangeable coloured caps	5	**WBME5A**

WBMDUPB

Electronic Push Button Universal Dimmer Mechanism

Description	Available colours	Box qty	Cat ref.
250W - LED loads 300W - Incandescent loads	⚪ White Complete with MB and MW interchangeable coloured caps	5	**WBMDUPB**

WBMDUR

Electronic Universal Rotary Dimmer Mechanism

Description	Available colours	Box qty	Cat ref.
250W - LED loads 300W - Incandescent loads	⚪ White Complete with MB and MW knobs	5	**WBMDUR**

WBMSLL

Electronic Push Button Slave Mechanism

Description	Available colours	Box qty	Cat ref.
To be used only in conjunction with either WBMDUPB, WBMDUR or WBME5A.	⚪ White Complete with MB and MW interchangeable coloured caps	5	**WBMSLL**

WBAEDB

WBAEDK-MB

Dimmer Caps and Knobs

Description	Available colours	Cat ref.
Dimmer caps for WBMDUPB and WBMSLL	⚪ Gloss White	**WBAEDB**
	⚫ Matt Black	**WBAEDB-MB**
	⚪ Matt White	**WBAEDB-MW**
Dimmer knob for WBMDUR	⚪ Gloss White	**WBAEDK**
	⚫ Matt Black	**WBAEDK-MB**
	⚪ Matt White	**WBAEDK-MW**

Switches and sockets

Features
- Easy mechanism removal
- Rear housing colour coded for easy recognition of mechanism type
- All terminal screws are combination head Phillips No. 1 and backed off

Technical data:
- 3mm contact gap in WBM16AX
- All 250V mechanism's have M60 motor rating
- 32A and 20AX mechanism 'socket size' terminal accommodates 2 x 4mm2 cables
- Intermediate and double pole have 75% of terminal screws accessible from 1 direction

- Trminals accommodate 4 x 1.5mm2 cables
- Push mech rated at 10A
- Tactile mech rated 6A

Technical information:
Page 211, 212, 213, 214

RotoLoc

250V PB Mechanisms

Description	Available colours		Box qty	Cat ref.
10AX flush push button - 2 way	○	White	5	**WBMPB**
	●	Matt Black	5	**WBMPB-MB**
	○	Matt White	5	**WBMPB-MW**
6AX 240V push button tactile/momentary mech	○	White	5	**WBMTPB**
	●	Matt Black	5	**WBMTPB-MB**
	○	Matt White	5	**WBMTPB-MW**
240V LED for push button	○	Blue	20	**WBAPBLED**

WBMPB

WBAPBLED

250V Mechanisms

Description	Available colours		Box qty	Cat ref.
16A AX rated STANDARD	○	White	5	**WBM16AX**
	○	Matt White	5	**WBM16AX-MW**
	●	Matt Black	5	**WBM16AX-MB**
	●	Red	5	**WBM16AX-RD**
20A Standard	○	White	5	**WBM20**
	○	Matt White	5	**WBM20-MW**
	●	Matt Black	5	**WBM20-MB**
16A AX rated with lens	○	White	5	**WBM16AXL**
16A AX rated with neon light	○	White	5	**WBM16AXN**
10A double pole	○	White	5	**WBM10D**
	○	Matt White	5	**WBM10D-MW**
	●	Matt Black	5	**WBM10D-MB**
10A intermediate	○	White	5	**WBM10I**
	○	Matt White	5	**WBM10I-MW**
	●	Matt Black	5	**WBM10I-MB**
20A AX rated 1 way only	○	White	5	**WBM20AX**
	○	Matt White	5	**WBM20AX-MW**
	●	Matt Black	5	**WBM20AX-MB**
32A 1 way only	○	White	5	**WBM32**
	○	Matt White	5	**WBM32-MW**
	●	Matt Black	5	**WBM32-MB**
15A press	○	White	5	**WBM15P**
	○	Matt White	5	**WBM15P-MW**
	●	Matt Black	5	**WBM15P-MB**
15A without printed "press"	○	White	5	**WBM15PB**
	○	Matt White	5	**WBM15PB-MW**
	●	Matt Black	5	**WBM15PB-MB**

WBM16AX
Standard Mechanism

WBM16AXL

WBM16AXN

WBM10D-MB

WBM10I-MB

WBM15P-MB

Switches and sockets

Features
- Easy mechanism removal
- Rear housing colour coded for easy recognition of mechanism type
- All terminal screws are combination head Phillips No. 1 and backed off

Technical data
- 3mm contact gap in WBM16AX
- All 250V mechanism's have M60 motor rating
- Intermediate and double pole have 75% of terminal screws accessible from 1 direction
- 10A, 16AX and 20A terminals accommodate 4 x 1.5mm2 cables
- Push mech rated at 10A

- 32A and 20AX mechanism 'socket size' terminal accommodates 2 x 4mm2 cables

RotoLoc ↗

WBM16L

WBM20F-MW

WBM20H-MB

WBM32HO-MW

WBM32O-MW

250V Printed Mechanisms

Description	Available colours	Box qty	Cat ref.
'LIGHT' 16A AX 2 way	○ White	5	**WBM16L**
	○ Matt White	5	**WBM16L-MW**
	● Matt Black	5	**WBM16L-MB**
'FAN' 20A 1 way	○ White	5	**WBM20F**
	○ Matt White	5	**WBM20F-MW**
	● Matt Black	5	**WBM20F-MB**
'HEAT' 20A 1 way	○ White	5	**WBM20H**
	○ Matt White	5	**WBM20H-MW**
	● Matt Black	5	**WBM20H-MB**
'HOT WATER' 20A 1 way	○ White	5	**WBM20HW**
'HOT WATER' 32A 1 way	● Matt Black	5	**WBM32HW-MB**
	○ Matt White	5	**WBM32HW-MW**
'SENSOR' 20A 1 way	○ White	5	**WBM20SN**
'HOB' 32A 1 way	○ White	5	**WBM32HO**
	○ Matt White	5	**WBM32HO-MW**
	● Matt Black	5	**WBM32H-MB**
'OVEN' 32A 1 way	○ White	5	**WBM32O**
	○ Matt White	5	**WBM32O-MW**
	● Matt Black	5	**WBM32O-MB**
'RANGE' 32A 1 way	○ White	5	**WBM32R**
	○ Matt White	5	**WBM32R-MW**
	● Matt Black	5	**WBM32R-MB**

Note: Printed pictograms with text are only available on standard Gloss White mechanisms.
Text-only printed mechanisms available only in Matt White and Matt Black versions.

Switches and sockets

Feature
-   Easy mechanism removal

Technical data
-   Terminals accommodate
    4 x 1.5mm2 cables

Technical information: Page 215

RotoLoc

250V Rotary Mechanisms

Description	Available colours	Box qty	Cat ref.
10A 3 position rotary	⚪ White	10	**WBM10R3**
10A 3 pos. rotary - w/ capacitor (fan)	⚫ Matt Black	10	**WBMSF3-MB**
	⚪ Matt White	10	**WBMSF3-MW**
10A 3 pos. rotary - Auto/Manual	⚪ White	10	**WBM10RAM**
10A 3 pos. rotary - Lo/Hi	⚪ White	10	**WBM10RLH**
10A 3 pos. rotary - Sensor	⚪ White	10	**WBM10RSN**
10A 3 pos. rotary - Up/Down	⚪ White	10	**WBM10RUD**
Rotary Knob to suit 3 position rotary mechs	⚪ White	10	**WBARK1**
	⚪ Matt White	10	**WBARK1-MW**
	⚫ Matt Black	10	**WBARK1-MB**

WBM10R3

WBARK

Switches and sockets

Rotoloc Data Mechanisms
- Data Mechs are tested and approved to the following standards where relevant:

  ANSI/TIA-568-C.2-2009
  ISO/IEC 11801-1
  IEC 60603-7-2
  AS/CA S008:2015l

Audio Connectors
- RCA jacks have 'F' connection at rear
- Available in multiple colours for maximum installation flexibility
- Speaker connectors suitable for both bare wire termination and banana plugs

Technical information:
Page 216, 217

RotoLoc ⟳

WBMTV75PF

WBMTV75PY-MB

TV Mechanisms

Description	Available colours	Box qty	Cat ref.
'F' to PAL type mechanism	○ White	10	**WBMTV75PF**
	○ Matt White	10	**WBMTV75PF-MW**
	● Matt Black	10	**WBMTV75PF-MB**
TV socket mechanism 3GHz 75Ohm Foxtel approved	○ White	10	**WBMTV75PY**
	○ Matt White	10	**WBMTV75PY-MW**
	● Matt Black	10	**WBMTV75PY-MB**

WBMCAT6-MW

WBMCAT6A

Rotoloc Data Mechanisms

Description	Available colours	Box qty	Cat ref.
8 Pin Cat5e	○ White	10	**WBMCAT5**
8 Pin Cat6	○ White	10	**WBMCAT6**
	○ Matt White	10	**WBMCAT6-MW**
	● Matt Black	10	**WBMCAT6-MB**
8 Pin Cat6A	○ White	10	**WBMCAT6A**

WBMHDMI

Audio Connectors

Description	Available colours	Box qty	Cat ref.
M/M HDMI pass through	○ White	5	**WBMHDMI**
	● Matt Black	5	**WBMHDMI-MB**
	○ Matt White	5	**WBMHDMI-MW**
F/F HDMI pass through with flex. Supplied with gloss white, matt black and matt white coloured facia caps.	○ White	5	**WBMHDMIL**
	● Matt Black		
	○ Matt White		

Switches and sockets

Circuit ID features:
- Circuit ID cannot be removed from front of plate once installed

Technical data
- Cord grip mechanism will accept light and heavy duty flexible cables
- Circuit ID labels supplied in sheets of 10, A4 size.

RotoLoc ↗

Special Mechanisms

Description	Available colours	Box qty	Cat ref.
Cord grip mechanism	○ White	5	**WBMPCU**
	● Matt Black	5	**WBMPCU-MB**
Circuit ID mechanism	○ White	5	**WBMCID**
Blank mechanism	○ White	5	**WBMBP**
ELV tactile mechanism extra low voltage tactile switch momentary contact (28V dc 50mA)	○ White	5	**WBMLVT**
	○ Matt White	5	**WBMLVT-MW**
	● Matt Black	5	**WBMLVT-MB**
ELV tactile mechanism + neon extra low voltage tactile switch with LED indication momentary contact (28V dc 50mA)	○ White	5	**WBMLVTN**
	○ Matt White	5	**WBMLVTN-MW**
	● Matt Black	5	**WBMLVTN-MB**
Neon indication lamp	250V Neon – red	5	**WBM250NRD**
	250V Neon – amber	5	**WBM250NAM**
	250V Neon – green	5	**WBM250NGR**
	250V Neon – clear	5	**WBM250NCL**
USB A+C mechanism	○ White	1	**WBMUSBAC**
	○ Matt White	1	**WBMUSBAC-MW**
	● Matt Black	1	**WBMUSBAC-MB**
Roto-loc USB-C mechanism Power Delivery (5V - 12V 20 Watt Output)	○ White	1	★ **WBMUSBCPD**
	○ Matt White		
Suitable for wall box installations when used with double socket with extra switch position. Supplied with gloss white, matt black and matt white coloured facia caps.	● Matt Black		

WBMPCU

WBMUSBAC

WBMUSBCPD

Keystone Data to Rotoloc Adaptors

Description	Available colours	Cat ref.
Suits Panduit®	○ White	**WBAKAPAN**
Suits SYSTIMAX®	○ White	**WBAKASYS**
Suits general type	○ White	**WBAKAGEN**

WBAKAGEN

Note: Always check fitting of data mech as some models may vary.

Switches and sockets

Mounting Block features
- Hi Impact UV stabilised Polycarbonate
- Compatible with all large plate switches and sockets

Surface sockets features
- Safety Shroud for extra security and safety.
- Can be tested when fitted to mounting plate

**Surface Socket
Dimension data: Page 218**

★ New ✕ Ended → Replacement

WBSBMD

WBSBMI

Mounting Accessories

Description	Available colours	Box qty	Cat ref.
silhouette mounting block 32mm deep	◯ White	5	**WBSBMD**
	● Matt Black	5	**WBSBMD-MB**
silhouette insulated mounting block 40mm deep	◯ White	8	**★ WBSBMI**
allure mounting block 32mm deep	◯ White	5	**WBHMBD**
	● Matt Black	5	**WBHMBD-MB**
allure insulated mounting block 37mm deep	◯ White	8	**★ WBHBMI**
finesse mounting block 32mm deep	◯ White	5	**WBQMBD**
	● Matt Black	5	**WBQMBD-MB**

WBAP1

Surface Sockets

Description	Characteristics	Available colours	Box qty	Cat ref.
Single surface sockets	10A	◯ White	10	**WBAP1**
	15A	◯ White	10	**WBAP115**
with round earth pin	10A	◯ White	10	**WBAP1R**
Replacement mounting plate			30	**WBAP1MP**

Subject to technical modification / ★ New ✕ Ended → Replacement

Junction Box feature
- Includes quickfix screws
  and terminal connectors

Shrouds
- Shroud for insulating live parts

Junction Box
Dimension data: Page 218

Junction Boxes

Description	Available colours	Box qty	Cat ref.
Giant junction box with quick fix screws and 4 cable connectors	○ White	5	**WBAJB4**
Standard junction box with quick fix screws and 3 cable connectors	○ White	10	**WBAJB4S**

WBAJB4S

Miscellaneous

Description	Box qty	Cat ref.
M3.5 X 50mm long pan head tapered point mounting screw 50 screws per box	50	**WBASC50**
Mechanism removal tool		**WBMS**
Screw connectors - single	100	**WBAC1B**
Screw connectors - twin	50	**WBAC2B**

WBASC50

WBAC2B

Description
Our surface mounted range of IP rated switches and sockets are designed for outdoor applications. Easy to install with two single screws fixing the top cover to the base.

Sockets available in Grey or White colour options. Switches only in Grey.

Electrical Specification
Switch - 16A, 250V AC
Single pole 2 way with loop
Socket - 10/15A, 250V AC
Single pole

Mechanical specification
- IP66 for switches
- IP53 for sockets
- External material is UV stabilised polycarbonate

Dimension data: Page 218

Switches

Description	Characteristics	Box qty	Cat ref.
16A IP66 switches	1 gang	1	**WBWS116**
	2 gang	1	**WBWS216**

WBWS216

Single Sockets

Description	Characteristics	Box qty	Cat ref.
IP53 single socket	10A	1	**WBWP1S**
	15A	1	**WBWP115S**
IP53 single socket (White)	10A	1	**WBWP1S-W**
	15A	1	**WBWP115S-W**

WBWP1S

10A Double Sockets

Description	Characteristics	Box qty	Cat ref.
10A, IP53 double socket		1	**WBWP2S**
	shallow mount	1	**WBWP2SH**
10A, IP53 double socket (White)		1	**WBWP2S-W**
	shallow mount	1	**WBWP2SH-W**

WBWP2S

WBWP2SH-W

Subject to technical modification / ★ New ✕ Ended ➔ Replacement

:hager

Description

Our range of Weatherproof Isolators are designed to be used in indoor or outdoor applications with IP66 degree of protection. They are switch disconnectors for 2, 3 and 4 pole supply, from 20A to 63A. Rated at AC-23A, they can also be used to isolate motor/compressor loads without derating. They provide ample wiring room and are easy to install with a 2 screw quick release top cover.

Electrical Specification
- AS/NZS IEC 60947-3
- Rated voltage:
  250V AC 50/60Hz
  440V AC 50/60Hz
- Utilization category
  AC-21A, AC-22A, AC-23A for switching any type of load from resistive to highly inductive loads

Mechanical Specification
- IP66
- External material is UV stabilised polycarbonate
- Ø25mm top and bottom cable entry hole caps
- Ø25mm and Ø20mm conduit entry knock-cuts
- Ø20mm mounting holes
- Handle provides Ø6mm shank padlocking facility (ON & OFF position)

Technical information: Page 219

2 pole Isolators

Description	Characteristics	Operational power input			Box qty	Cat ref.
		AC-21A	AC-22A	AC-23A		
IP66	20A	4.8kW	4.0kW	3.3kW	1	**JG220IN**
	32A	7.6kW	6.4kW	5.2kW	1	**JG232IN**
	40A	9.5kW	8.0kW	6.5kW	1	**JG240IN**
	63A	15kW	12.6kW	10.2kW	1	**JG263IN**

JG240IN

3 pole Isolators

Description	Characteristics	Operational power input			Box qty	Cat ref.
		AC-21A	AC-22A	AC-23A		
IP66	20A	14.5kW	12.2kW	9.9kW	1	**JG320IN**
	32A	23.2kW	19.5kW	15.9kW	1	**JG332IN**
	40A	29kW	24.4kW	19.8kW	1	**JG340IN**

JG340IN

4 pole Isolators

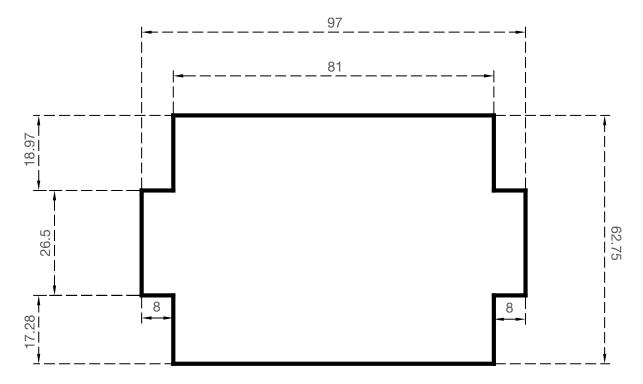| Description	Characteristics	Operational power input			Box qty	Cat ref.
		AC-21A	AC-22A	AC-23A		
IP66	20A	14.5kW	12.2kW	9.9kW	1	**JG420IN**
	32A	23.2kW	19.5kW	15.9kW	1	**JG432IN**
	40A	29kW	24.4kW	19.8kW	1	**JG440IN**
	63A	45.6kW	38.4kW	31.2kW	1	**JG463IN**

JG440IN

Switches and sockets

Regulatory Compliance Mark (RCM)
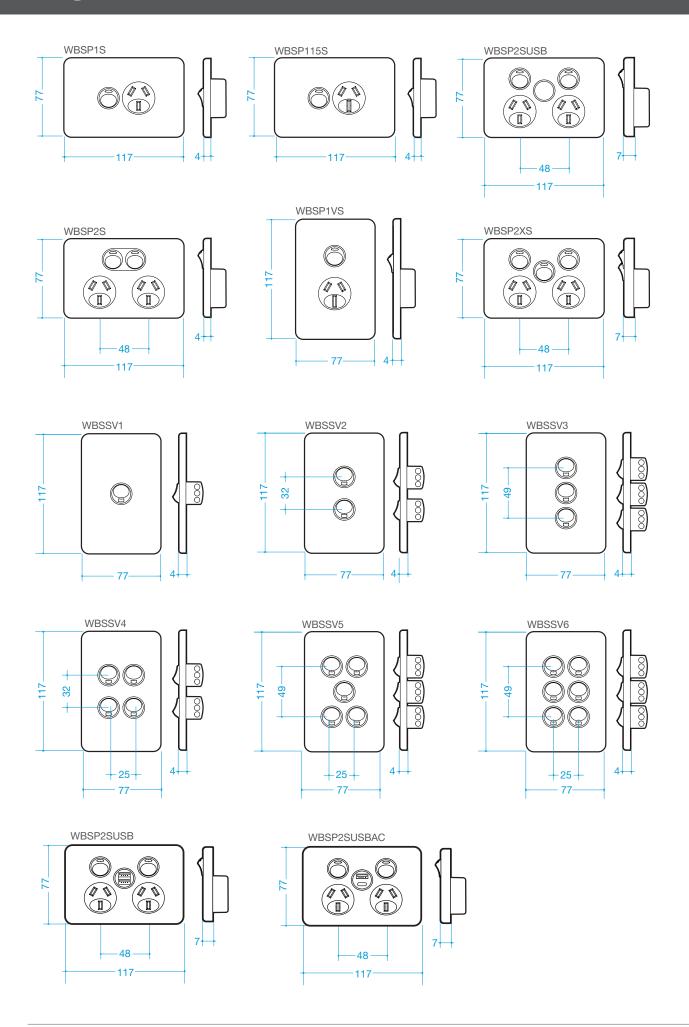
	Product	Max No. of cable cores to each terminal hole					
		1.0mm2	1.5mm2	2.5mm2	4.0mm2	6.0mm2	Motor rating
Switch mechanisms	10A mechanism		4				M40
	16A mechanism		4				M60
	16AX mechanism		4				M60
	20A mechanism		4				M60
	20AX mechanism				2		M80
	32A mechanism				2		M80
	Card entry switches		4				N/A
Sockets	10A mechanism			4			N/A
	15A mechanism			4			N/A
	20A mechanism			4			N/A
	Screw connectors			4	3	2	N/A
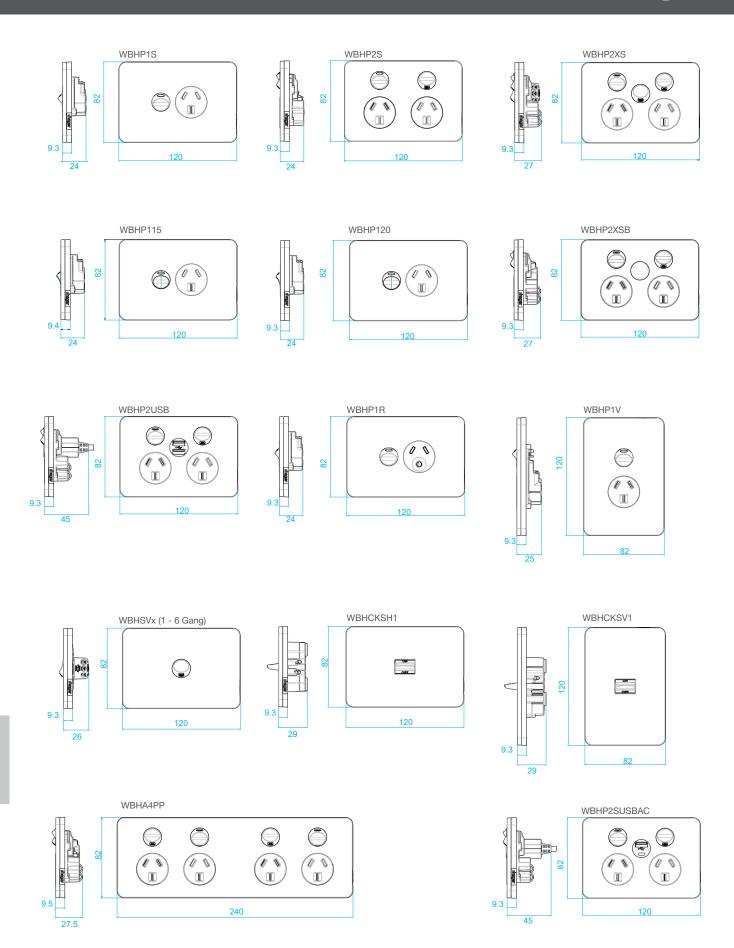
Motor Rating - Indicated on the mechanism as Mxx, where xx is the nominated locked rotor current in amperes (as per AS/NZS3133:2008)
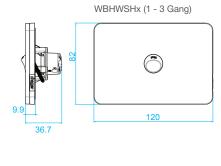
**Switches and sockets
cutout dimensons**
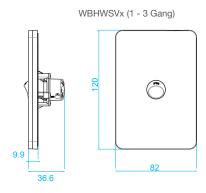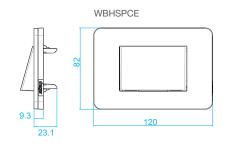
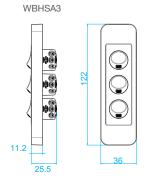Cut out (mm) - Suits allure, finesse, silhouette & premiere ranges

:hager

WBSP1S

77
117
4

WBSP115S

77
117
4

WBSP2SUSB

77
48
117
7

WBSP2S

77
48
117
4

WBSP1VS

117
77
4

WBSP2XS

77
48
117
7

WBSSV1

117
77
4

WBSSV2

117
32
77
4

WBSSV3

117
49
77
4

WBSSV4

117
32
25
77
4

WBSSV5

117
49
25
77
4

WBSSV6

117
49
25
77
4

WBSP2SUSB

77
48
117
7

WBSP2SUSBAC

77
48
117
7

WBHP1S
82
9.3
24
120

WBHP2S
82
9.3
24
120

WBHP2XS
82
9.3
27
120

WBHP115
82
9.4
24
120

WBHP120
82
9.3
24
120

WBHP2XSB
82
9.3
27
120

WBHP2USB
82
9.3
45
120

WBHP1R
82
9.3
24
120

WBHP1V
120
9.3
25
82

WBHSVx (1 - 6 Gang)
82
9.3
26
120

WBHCKSH1
82
9.3
29
120

WBHCKSV1
120
9.3
29
82

WBHA4PP
82
9.5
27.5
240

WBHP2SUSBAC
82
9.3
45
120

Switches and sockets

:hager

WBHWSHx (1 - 3 Gang)

82

9.9

36.7

120

WBHWSVx (1 - 3 Gang)

120

9.9

36.6

82

WBHSPCE

82

9.3

23.1

120

WBHSA1

94

11.2

25.5

36

WBHSA2

94

11.2

25.5

36

WBHSA3

122

11.2

25.5

36

WBHSPCE

82

9.3

23.1

120

Switches and
sockets

WBQP1S

82

4.6

23.8

120

WBQP2S

82

4.6

23.5

120

WBQP2XS

82

7.3

27.1

120

WBQP115S

82

4.6

23.7

120

WBHP2XSB

82

7.3

27.13

120

WBQP2SUSB

82

7.3

50.8

120

WBQP1R

82

4.6

23.5

120

WBQP1VS

120

4.6

24.5

82

WBQSVx (1 - 6 Gang)

120

4.6

25.8

82

WBQSVxPB (1 - 4 Gang)

120

4.6

34.4

82

WBQCKSH1

82

4.6

29

120

WBQCKSV1

120

4.6

28.8

82

WBQP2SUSBAC

82

7.3

50.8

120

Switches and sockets

WBQSA1

85
6.9
25.7
36

WBQSA2

85
6.9
25.7
36

WBQSA3

110
6.9
25.7
36

WBQHSPx (1 - 4 Gang)

120
4.6
13.2
82

WBQSPCE

82
4.6
23.1
120

Switches and sockets

Rotary Dimmer
WBMDUR

Push Button
WBMDUPB

Push Button Slave
WBMSLL

Programmable to:
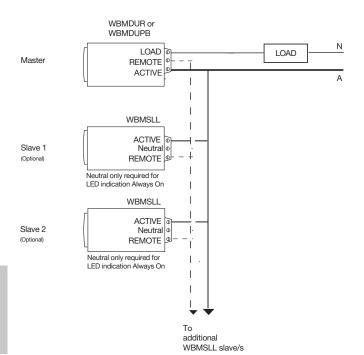
- Set minimum brightness
- Reduce max brightness (fixes reduction)
- Kick start
- Restore last position after power loss

Warnings:

- Derating of units is required if multi-ganging
  - see table below.
- Variation in transformers can result in differing
  maximum numbers
  that can be connected to the dimmer.
- Not all LED lights are compatible with the dimmer
  due to many different LED brands and drivers.
  Always test the compatibility with your desired LED
  lights before installing.

NOTE: WBMSLL slave LED indication is not based on load
status. Slave LED indication can only be either permanently
ON or OFF.

Wiring Diagram

Master

WBMDUR or
WBMDUPB

LOAD
REMOTE
ACTIVE

LOAD

N

A

Slave 1
(Optional)

WBMSLL

ACTIVE
Neutral
REMOTE

Neutral only required for
LED indication Always On

Slave 2
(Optional)

WBMSLL

ACTIVE
Neutral
REMOTE

Neutral only required for
LED indication Always On

To
additional
WBMSLL slave/s

NOTE: ONLY 1 Master per load group

It is not possible to use the WBMDUR or WBMDUPB as a
secondary control device or slave for the same load. (i.e. 2x
WBMDUPB's cannot be wired together to control the
same load).

Dimmer specification	WBMDUR / WBMDUPB
Voltage	230V a.c. +10% / -10%
Frequency	50Hz
Operating temperature	-5 ... 50^{0}C
Storage temperature	-20 ... 70^{0}C
Humidity	0% .. 65% RH
IP Class	IP2X
LED Dimmable 240V	3W (min) ... 250W (max)
Max number LED lights	20 (not exceeding 250W)
Incandescent lamps	7W... 300W
Halogen with electronic Tx	20W... 350W

Dimmer specification	WBMSLL
Voltage	230V a.c. +10% / -10%
Frequency	50Hz
Operating temperature	-5 ... 50^{0}C
Storage temperature	-20 ... 70^{0}C
Humidity	0% .. 65% RH
IP Class	IP2X

When operating dimmers in combination with others beneath a cover plate, the
maximum connected load must be reduced depending on the number of
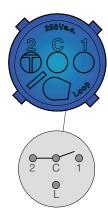dimmers.

Number of dimmers per combination	Connect load reduction
1	100%
2	75%
3	55%
4	40%
5	35%
6	30%

Switches and
sockets

WBM15P
15A Press mechanisms

C - Common terminal
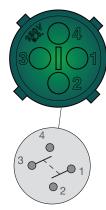1 - N/O terminal
2 - N/C terminal
L - loop
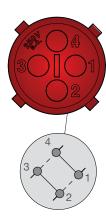
WBM10D
10A double pole mechanism

1 - Fixed terminal
3 - Fixed terminal
2 - N/O Contact
4 - N/O Contact

WBM10I
10A intermediate mechanism

1 - Fixed terminal
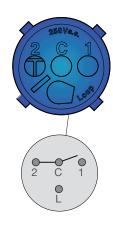3 - Fixed terminal
2 - Change over terminal
4 - Change over terminal

WBM16AX
16AX mechanism

C - Common terminal
1 - N/O terminal
2 - N/C terminal
L - loop

WBM20
20A mechanism

C - Common terminal
1 - N/O terminal
2 - N/C terminal
L - loop

Switches and
sockets

WBM20XX
Printed mechanisms
1 way only

C - Common terminal
1 - N/O terminal
L - loop

WBM20AX
20AX mechanism
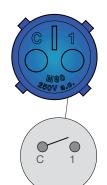
C - Common terminal
1 - N/O terminal

WBM32
32A mechanism
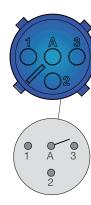
C - Common terminal
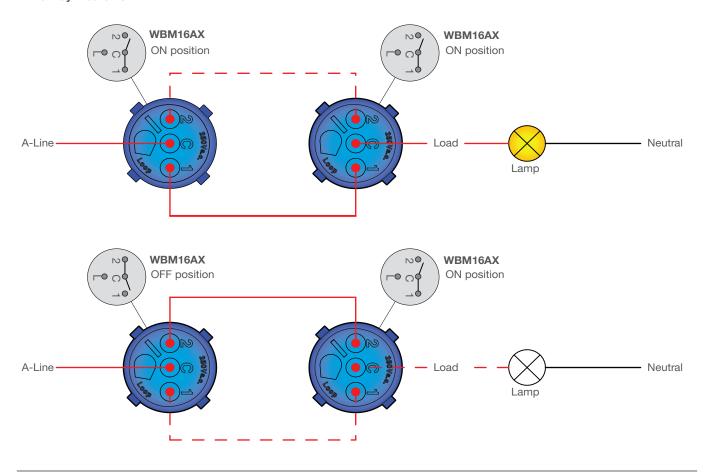1 - N/O terminal

WBM10R3
Rotary mechanism

A - Common terminal
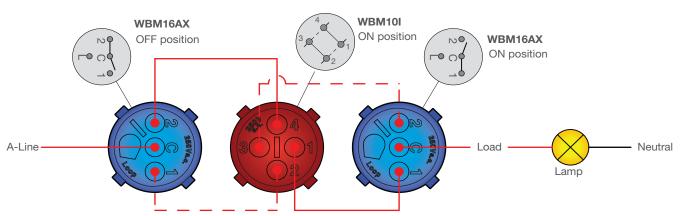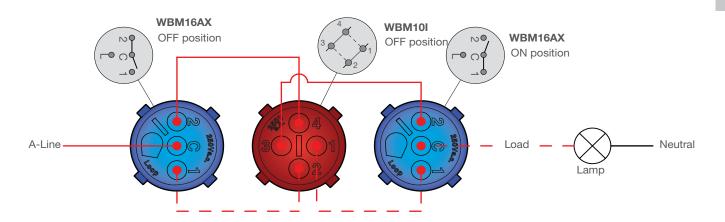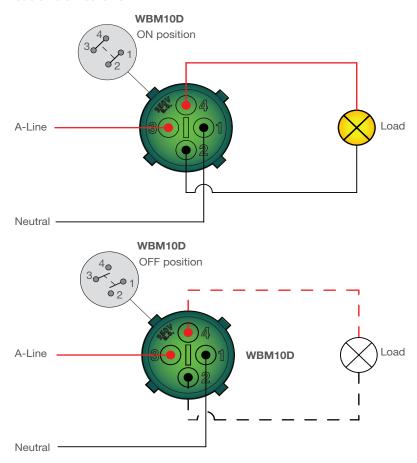1 - load 1
2 - load 2
3 - load 3

:hager

Two Way Mechanism

WBM16AX
ON position

WBM16AX
ON position

A-Line

Load

Lamp

Neutral

WBM16AX
OFF position

WBM16AX
ON position

A-Line

Load

Lamp

Neutral

Intermediate Mechanism

WBM16AX
OFF position

WBM10I
ON position

WBM16AX
ON position

A-Line

Load

Lamp

Neutral

WBM16AX
OFF position

WBM10I
OFF position

WBM16AX
ON position

A-Line

Load

Lamp

Neutral

Double Pole Mechanism

WBM10D
ON position

4
3 · 1
2

A-Line

250V
10A

4
3   1
2

Load

Neutral

WBM10D
OFF position

4
3   1
2

A-Line

250V
10A

4
3   1
2

WBM10D

Load

Neutral

20AX Mechanism

WBM20AX
ON position

C   1

A-Line

C   1
M80
250V a.c.

Load

Lamp

Neutral

WBM20AX

32A Mechanism

WBM32
ON position

C   1

A-Line

C   1
M80
250V a.c.

Load

Lamp

Neutral

WBM32

3 Position Rotary Mechanism

WBM10R3
OFF position
A-Line

Neutral

WBM10R3
ON position 1
A-Line

Neutral

WBM10R3
ON position 2
A-Line

Neutral

WBM10R3
ON position 3
A-Line

Neutral

Switches and sockets

**WBMTV75PY, WBMRCA1
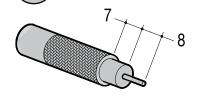& WBMTV75PF**
F to F, PAL to F, F to RCA mechanism
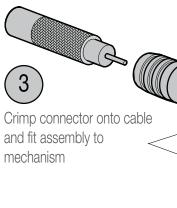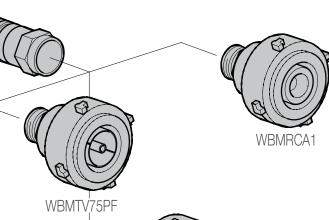
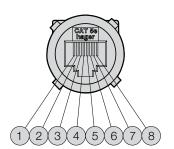**1** Strip 15mm off sheathing

15

2 Fold braid, strip insulation

7
8
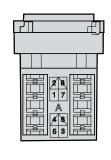
3

Crimp connector onto cable
and fit assembly to
mechanism

WBMRCA1

WBMTV75PF

WBMTV75PY
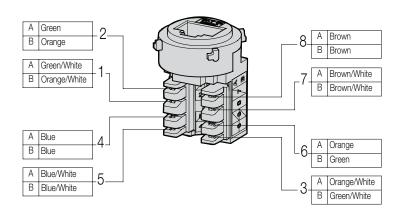
SPECIFICATIONS				
REFERENCE	TYPE CABLE		RESISTANCE	SIGNAL LOSS
WBMTV75PF	RG6	QUAD SHIELD	75 Ω	<1dB
WBMTV75PY	RG6	QUAD SHIELD	75 Ω	<1dB
WBMRCA1	RG6	QUAD SHIELD	75 Ω	<1dB

WBMCAT5
Cat 5 data jack

PIN LAYOUT

A	Green	2
B	Orange	

A	Green/White	1
B	Orange/White	

A	Blue	4
B	Blue	

A	Blue/White	5
B	Blue/White	

8	A	Brown
	B	Brown

7	A	Brown/White
	B	Brown/White

6	A	Orange
	B	Green

3	A	Orange/White
	B	Green/White

WBMCAT6
Cat 6 data jack

PIN LAYOUT

A	Green	2
B	Orange	

A	Green/White	1
B	Orange/White	

A	Blue	4
B	Blue	

A	Blue/White	5
B	Blue/White	

8	A	Brown
	B	Brown

7	A	Brown/White
	B	Brown/White

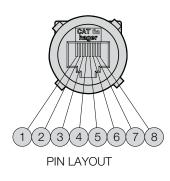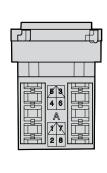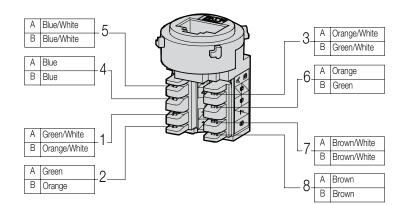|		
6	A	Orange
	B	Green

3	A	Orange/White
	B	Green/White
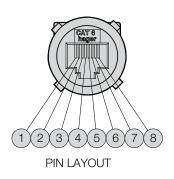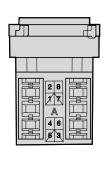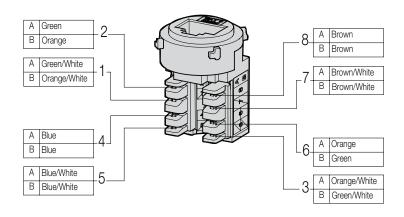
WBMCAT6A
Cat 6A data jack

PIN LAYOUT

A	Blue/White	5
B	Blue/White	

A	Blue	4
B	Blue	

A	Green/White	1
B	Orange/White	

A	Green	2
B	Orange	

3	A	Orange/White
	B	Green/White

6	A	Orange
	B	Green

7	A	Brown/White
	B	Brown/White

8	A	Brown
	B	Brown

Switches and sockets

WBAP1

90

56

WBAJB4S

70

70

36

WBAJB4

100

500V a.c.
50A

71

56

WBWP1S

85

88

85

WBWP2S

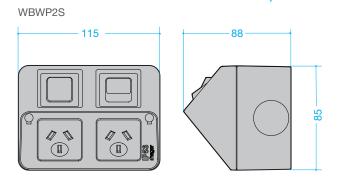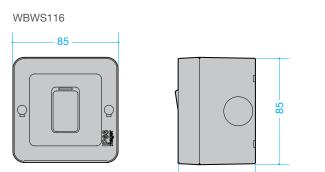115

88

85

WBWP2SH

115

65

85

WBWS116

85

85

62

WBWS216

85

85

62
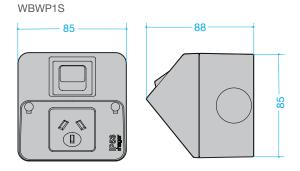
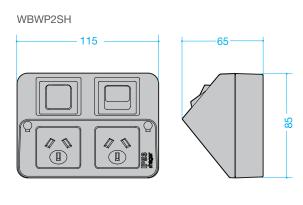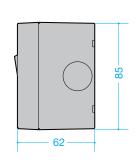**Choice of isolator switches**
The switch-disconnectors are defined by:
- their ratings and voltage,
- their utilization category,
- their short circuit rating.

The choice of isolator is dependent upon many parameters:
01 - the number of poles,
02 - the type of electrical load it needs to isolate
03 - its consumption under normal operation

The appliances, when hard wired, shall be provided with a lockable isolation device, installed adjacent to the unit including water heaters, motors/compressors, air conditioners, heat pump systems…

01 - Number of poles
Usually this is the subject of agreement between manufacturer and user. In the wiring rules, the minimum requirement for isolation devices is to isolate all active conductors from the circuit. However manufacturers generally recommend isolating the neutral as well, for safety purposes.

02 - Type of electrical load
Loads are categorised into various AC ratings (AC21, AC-22, AC-23 etc.) and the higher the AC rating the more inductive the load becomes. AS/NZS IEC 60947.3 defines utilization categories as well as their applications:
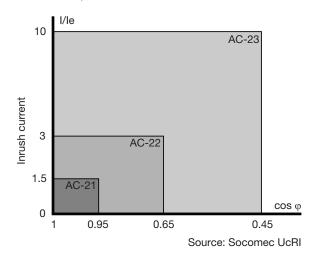
Utilization category

Frequent operation	Occasional operation	Typical applications
AC-20A*	AC-20B*	Connecting and breaking under no-load
AC-21A	AC-21B	Switching of resistive loads including moderate overloads (e.g. electric hot water heater)
AC-22A	AC-22B	Switching of mixed resistive and inductive loads, including moderate overloads (e.g. fluorescent lamp, slip-ring/shunt motors)
AC-23A	AC-23B	Switching of highly inductive loads or motor loads (e.g. compressors, series/squirrel-cage motor loads)

* not utilised in Australia
Generally, category AC-23 includes occasional switching of individual motors and does not cover the switching of capacitors or of tungsten filament lamps.

An easy way to choose the utilization category is to check the inrush current and/or the cos φ of the load:

Source: Socomec UcRI

03 - Power demand
The selection of an isolating switch is reduced to the comparison of its performance data with the respective utilization category, the ratings of the load and the choice of a device which meets or exceeds the ratings of the load.

Motor/Compressor applications
The isolation of motor/compressor loads are covered under the utilization category AC-23.
Motor/compressor applications include:
- Heat pumps,
- Air-conditioning systems,
- Pumps,
- Ventilators,
- Elevators
The choice of the isolator depends on the maximum power input or the maximum load current of the appliance. As an example, the compliance plate of an air conditioner would provide the maximum power input in kW or the maximum load current in A.

AIR CONDITIONER
SPLIT TYPE (OUTDOOR UNIT)
MODEL AAP27OG-A2

STANDARD AS/NZS 3823.1		
PERFORMANCE (CLIMATE CLASS T1)		230/240V ~ 50Hz
TOTAL CAPACITY	COOLING HEATING	2.0 kW / 2.7 kW
TOTAL INPUT	COOLING HEATING	0.44 kW / 0.62 kW
TOTAL CURRENT	COOLING HEATING	2.4/2.3 A / 3.1/3.0 A

MAX. INPUT	1.65	kW
MAX. CURRENT	9	A
MAX. HIGH PRESSURE	4.15	MPa
MAX. LOW PRESSURE	1.60	MPa

The difficulty with all motor/compressor loads are the high inrush currents which can amount to 5-10 times the nominal current. Also, inductive loads tend to build electric arcs during shut off. Therefore, all Hager IP66 Isolator switch ratings are given at utilization category AC-23A without de-rating.

Resistive-type applications
The current demand of a heating appliance or an incandescent lamp is easily obtained from the nominal power quoted by the manufacturer (i.e. 1>cos φ >0.95)
The currents are given by:
- 3-phase case: $I_e = P_n \div (\sqrt{3} \times U)$
- 1-phase case: $I_e = P_n \div U$
Where I_e is amps; U is volts, voltage between the terminals of the equipment; P_n is watts. If P_n is in kW, then multiply the equation by 1,000

Specifications to AS/NZS IEC60947-3 / IP66

Reference	JG220IN	JG232IN	JG240IN	JG263IN	JG320IN	JG332IN	JG340IN	JG420IN	JG432IN	JG440IN	JG463IN
Number of poles	2P	2P	2P	2P	3P	3P	3P	4P	4P	4P	4P
Operational frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated operational voltage Ue	250V AC	250V AC	250V AC	250V AC	440V AC	440V AC	440V AC	440V AC	440V AC	440V AC	440V AC
Rated insulation voltage Ui (AC)	440V	440V	440V	440V	440V	440V	440V	440V	440V	440V	440V
Rated impulse withstand voltage Uimp	4000V	4000V	4000V	4000V	4000V	4000V	4000V	4000V	4000V	4000V	4000V

Rated operational current and power ratings in AC
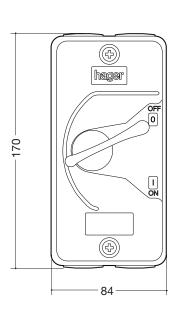
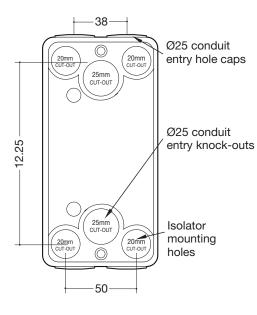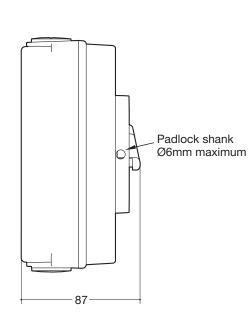|											
Rated operational current Ie		20A	32A	40A	63A	20A	32A	40A	20A	32A	40A	63A
Rated operational power Pe	AC-21A	4.8kW	7.6kW	9.5kW	15kW	14.5kW	23.2kW	29kW	14.5kW	23.2kW	29kW	45.6kW
	AC-22A	4.0kW	6.4kW	8.0kW	12.6kW	12.2kW	19.5kW	24.4kW	12.2kW	19.5kW	24.4kW	38.4kW
	AC-23A	3.2kW	5.2kW	6.5kW	10.2kW	9.9kW	15.8kW	19.8kW	9.9kW	15.8kW	19.8kW	31.2kW

Short circuit characteristics

Rated short-time withstand current for 1 sec Icw	240A	384A	480A	756A	240A	384A	480A	240A	384A	480A	756A
Rated short-circuit capacity Icm	240A	384A	480A	756A	240A	384A	480A	240A	384A	480A	756A

Mechanical characteristics

Conductor Rigid - stranded	Min. size & number	2.5mm2	6mm2	6mm2	10mm2	2.5mm2	6mm2	6mm2	2.5mm2	6mm2	6mm2	10mm2
		1	1	1	1	1	1	1	1	1	1	1
	Max. size	4mm2	10mm2	10mm2	16mm2	4mm2	10mm2	10mm2	4mm2	10mm2	10mm2	16mm2

Ø25 conduit entry hole caps

Ø25 conduit entry knock-outs

Isolator mounting holes

Padlock shank Ø6mm maximum

The IP rating for all low voltage enclosures up to 1000 V a.c. and 1500 V d.c. is defined in identical fashion by the standards EN 60529 - IEC 529. It comprises the letters IP followed by two character numerals and or additional/ supplementary letters.

The first character numeral indicates the degree of protection provided by the enclosure against access to hazardous parts by preventing or limiting the ingress of a part of the human body or an object held by a person and ingress of solid foreign objects.

The second character numeral indicates the degree of protection provided by the enclosure with respect to harmful effects on the equipment due to the ingress of water. An X signifies that the tests are not applicable to the product.

The first character numeral:
Protection against foreign objects

IP		Description
0		Non-protected
1		Protected against solid objects ≥ than 50mm
2		Protected against solid objects ≥ than 12.5mm
3		Protected against solid objects ≥ than 2.5mm
4		Protected against solid objects ≥ than 1.0mm
5		Dust-protected
6		Dust-tight

The second character numeral:
Protection against ingress of water with harmful effects

IP		Description
0		Non-protected
1		Protected against vertically falling water drops
2		Protected against vertically falling water drops when enclosure titled up to 15°
3		Protected against spraying water
4		Protected against splashing water
5		Protected against water jets
6		Protected against powerful water jets
7		Protected against the effect of temporary immersion in water
8		Protected against continuous immersion in water

Additional letter (in option)
Protection of people against access to hazardous parts

	Description
A	Protected against access to hazardous parts with the back of the hand
B	Protected against access to hazardous parts with a finger
C	Protected against access to hazardous parts with a tool - ø 2.5mm
D	Protected against access to hazardous parts with a wire - ø 1mm

Additional letter (in option)
Specific information on the product

	Description
H	High voltage apparatus
M	Motion during water test
S	Stationary during water test
W	Weather conditions

Switches and
sockets