Playbus

General characteristics

Modular range of devices for domestic and similar uses on frames for flush-mounting boxes of up to 18 modules. It includes controls, socket-outlets, protections, indicators, connectors and a vast range of electronic components for domotics and special services. There are also boxes and plates for surface-mounting and free-standing applications.

Component	Reference standards	Essential electrical data*			Prolonged operation (no. position changes)	Resistance to abnormal heat and fire	
		Resistance at test voltage (V)	Insulation resistance (MΩ)	Breaking capacity or category of use		Thermo-pressure with ball (°C)	Glow wire test (°C)
Commands	EN 60669-1	2000 at 50 Hz for 1 minute	> 5	1.25 In (200 position changes)	40,000 at In 250V AC cos φ = 0.6	125	850
Socket-outlets	IEC 60884-1			1.25 In (100 position changes)	10,000 at In 250V AC cos φ = 0.8		
Latching relays	EN 60669-1 / EN 60669-2-2				50,000 at In 250V AC cos φ = 0.6		
Momentary relays	EN 60669-1 / EN 60669-2-2			1.25 In (200 position changes)			
Miniature circuit breakers	EN 60898-1		2** ÷ 5	3 kA	8,000		
Residual current circuit breaker with overcurrent protection	EN 61009-1 / EN 61008-1			3 kA	4,000		
Supports and plates	EN 60669-1	-	-	-	-	70	650

TECHNICAL DATA AND REFERENCE STANDARDS

* For rated voltages and currents, see the specifications in the single codes.   ** The value of 2 MΩ refers to a special condition established by the Standards given alongside.
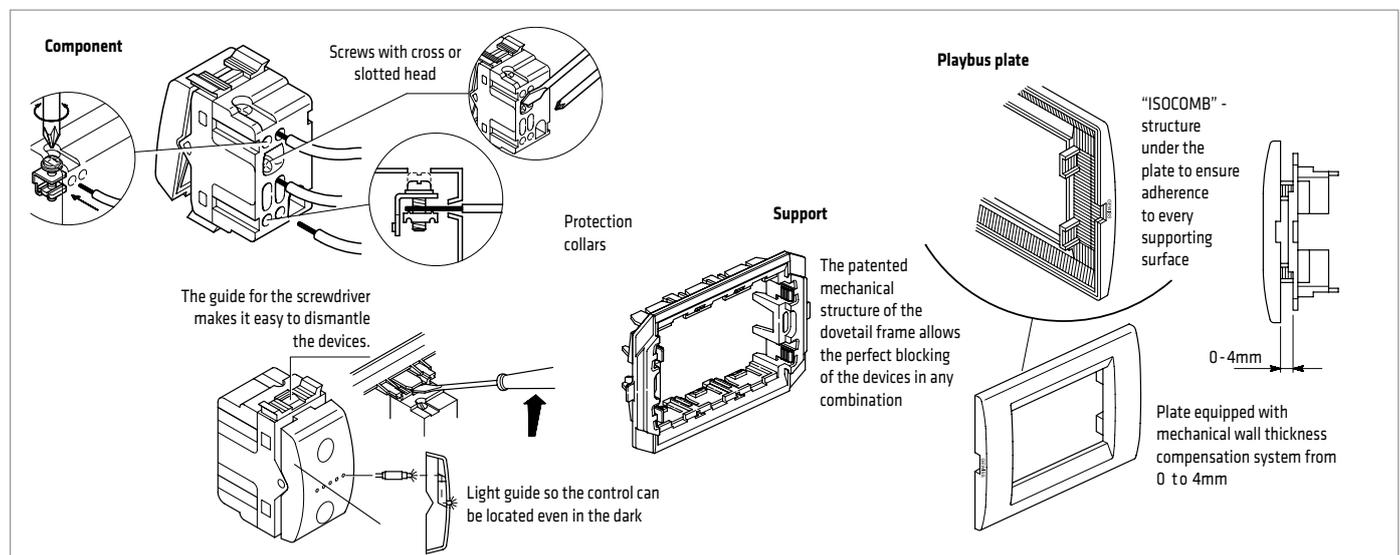
Terminal resistance to cable traction: > 50N
Device hold on support: > 0.6J

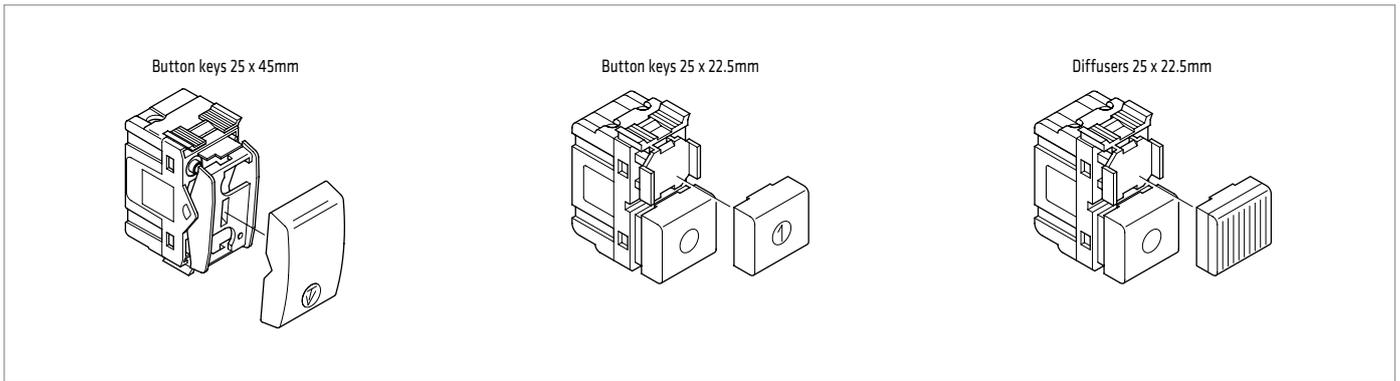| TERMINAL TIGHTENING CAPACITY			
Flexible wires		Rigid wires	
Minimum 0.75mm²	Maximum 2 x 4mm²	Minimum 0.5mm²	Maximum 2 x 2.5mm²

THE TECHNICAL CHARACTERISTICS OF THE FOLLOWING PLAYBUS PRODUCTS ARE DESCRIBED ON THE TECHNICAL PAGES OF THE SYSTEM RANGES	
Infrared movement detector	Telephone socket-outlets
Anti black-out lamps	Latching relays and momentary relays
Dimmers	TV-SAT socket-outlets
Timed-thermostats	Automatic circuit breakers

Common construction features

Component

Screws with cross or slotted head

The guide for the screwdriver makes it easy to dismantle the devices.

Protection collars

Support

The patented mechanical structure of the dovetail frame allows the perfect blocking of the devices in any combination

Playbus plate

"ISOCOMB" - structure under the plate to ensure adherence to every supporting surface

0 - 4mm

Plate equipped with mechanical wall thickness compensation system from 0 to 4mm

Light guide so the control can be located even in the dark

Playbus

Interchangeability of button keys and diffusers

Button keys 25 x 45mm   Button keys 25 x 22.5mm   Diffusers 25 x 22.5mm

Backlighting of control devices

Type	Functional characteristics	Applications
Night-time location	• Permits the identification of the control button key even in the dark. • You are advised to use the Gewiss lamps: white/red/light blue.	• Bedrooms. • Corridors.
Functional signalling	• Permits the identification of the control button key, or the indication of the ON/OFF status of a lighting circuit, even in the dark. • With a red/white/light blue lamp, the signalling is bright. • With a green lamp the lighting level does not cause sleep disturbance.	• General services of a building complex (stair lights, entrances, etc.). • Public entertainment premises

Type	Functional characteristics	Applications
Iconographic signalling	• Permits the identification of the control button key, and its specific function, even in the dark.	• General services. • Internal systems for offices, shops, warehouses. • Hotel structures. • Hospitals and nursing homes.
With diffuser lamp	• Permits the identification of the ON/OFF status of a user or lighting circuit from a considerable distance. • Visible from both front and side.	• Signalling lights coming on outside the place where the control device is installed.

Degree of protection of the set of PLAYBUS domestic range assembly installed

| Component	Installation	Reference standard	IP rating
Devices with closed front (commands, bells, indicators, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in self-supporting boxes	Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard	EN60529 (CEI 70-1)	**41**
Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in selfsupporting boxes	Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard. Suitable for use for zone 3 of rooms containing baths or showers.		**X1** (in case of socket-outlets it is 21)
Devices with open front (socket-outlets, etc.) installed in flush-mounting boxes, surface-mounting boxes, free-standing panels (completed with support and plate) and in selfsupporting boxes	Flush-mounting for domestic or similar finish, in vertical position, installed to a high standard **with plug inserted**		**4X**

ACCESSORIES

Spare parts and accessories

Lamps for Playbus / System articles

Control devices			Miniature lamp units				Luminous / colour result	Possible colours
Night-time localisation	**Functional localisation**	**Iconographic signalling**	Type	Code	Voltage	Colour		
			LED	GW 10 893	12-24V AC/DC	White	The signalling colour corresponds to the colour of the chosen miniature lamp	White
				GW 30 947	230/110V AC	White		White
				GW 30 946	230/110V AC	Light blue		Light blue
			Fluorescent	GW 30 943	230V AC	Red		Red
				GW 30 944	230V AC	Green		Green

Push-button with name plate	Cartridge lamps				Luminous / colour result	Possible colours
	Type	Code	Voltage	Colour		
	Incandescent S6 x 36	GW 20 902	12V AC/DC	White	White backlighting	White
		GW 20 903	24V AC/DC			

Single indicator lamps	Cartridge lamps				Luminous / colour result	Possible colours
	Type	Code	Voltage	Colour		
	Incandescent S6 x 31	GW 20 904	12V AC/DC	White	The signalling colour corresponds to the colour of the chosen indicator lamp diffuser	Red - Green Amber - White Light blue
		GW 20 905	24V AC/DC			
	Fluorescent S6.3 x 28	GW 20 906	230V AC	Red	With red diffuser:	Red
					With amber diffuser:	Amber
		GW 20 908		Green	With green diffuser:	Green

Push-buttons with diffuser and double indicator lamps	Miniature lamps				Luminous / colour result	Possible colours
	Type	Code	Voltage	Colour		
	LED	GW 10 893	12-24V AC/DC	White	The signalling colour corresponds to the colour of the chosen indicator lamp diffuser	Red - Green Amber - White Light blue
		GW 30 947				
		GW 30 946	230V AC	Light blue	With blue diffuser:	Light blue
	Fluorescent	GW 30 943		Red	With red diffuser:	Red
		GW 30 944		Green	With green diffuser:	Green

Stair riser lamps	Cartridge lamps				Luminous / colour result	Possible colours
	Type	Code	Voltage	Colour		
	Incandescent S6 x 36	GW 20 902	12V AC/DC	White	The signalling colour corresponds to the colour of the chosen stair riser lamp diffuser	Red - Green Amber - White Light blue
		GW 20 903	24V AC/DC			

Lift/emergency plates	Miniature lamps				Luminous / colour result	Possible colours
	Type	Code	Voltage	Colour		
	LED	GW 10 893	12-24V AC/DC	White	The signalling colour corresponds to the colour of the chosen miniature lamp	White
		GW 30 947	230V AC	White		White
	Fluorescent	GW 30 943		Red		Red

Examples of functional and localisation lighting

To indicate the operating status of services not visible from the command position

The indicator lamp is located parallel to the service, and is switched on when the one-way switch is ON. The indicator lamp follows the ON/OFF status of the service.
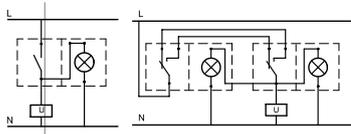
The two indicator lamps and the service are placed in parallel, therefore they switch on and off together with the service.

To locate the command button key in the dark

The indicator lamp is switched on when the one-way switch is OFF. With the switch in the ON position, the service is powered and the indicator lamp is switched off.
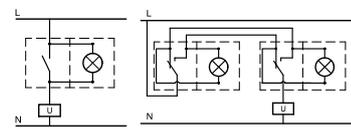
The two indicator lamps come on when the service is not powered and go off when it is ON.

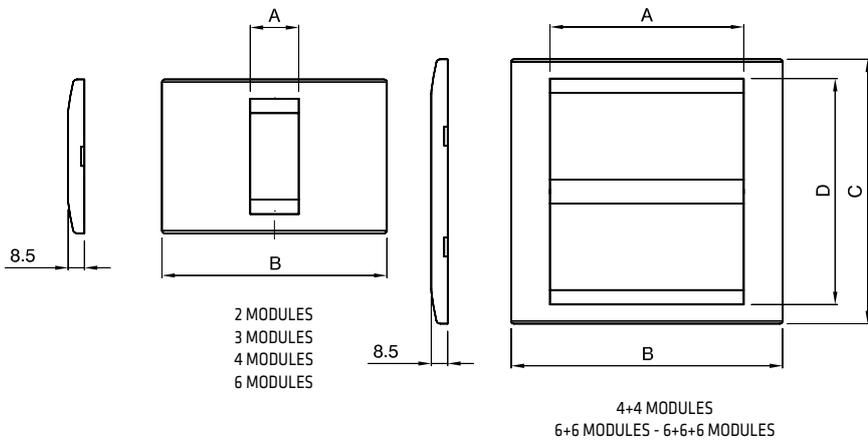NOTE: layouts not suitable for commanding compact energy saving lamps and/or relays

For technical information contact the Technical Assistance Service or visit gewiss.com

Playbus

PLATES, SPECIAL PLATES, CONTAINERS AND SUPPORTS

Application board

INSTALLATION	DESCRIPTION	MODULES	BOX	SUPPORT	PLATES AND COLOURS	
FLUSH-MOUNTING	RECTANGULAR BOXES	1	GW 24 403	GW 32 403	PLAYBUS PLAYBUS YOUNG	in the 10 colours
		2	GW 24 403	GW 32 402		
		3	GW 24 403	GW 32 403		
		4	GW 24 404	GW 32 404		
		6	GW 24 406	GW 32 406		
		8	GW 24 237	GW 32 407	PLAYBUS	in the 10 colours
		12	GW 24 238	GW 32 408	PLAYBUS	Cloud white Metallised titanium Metallised slate
		18	GW 24 239	GW 32 409		
	SQUARE BOXES	1	GW 24 231	GW 32 401	PLAYBUS	in the 10 colours
		2		GW 32 402	PLAYBUS YOUNG	
	BOXES FOR LIGHT WALLS	1	GW 24 403 PM	GW 32 403	PLAYBUS	in the 10 colours
		2	GW 24 403 PM	GW 32 402		
		3	GW 24 403 PM	GW 32 403		
		4	GW 24 404 PM	GW 32 404	PLAYBUS YOUNG	
		6	GW 24 406 PM	GW 32 406		
	PROFILES AND PANELS	1	The code includes self-supporting plate and box		GW 32 123 GW 32 122 GW 32 121	Cloud white Metallised titanium Metallised slate
		2			GW 32 133 GW 32 132 GW 32 131	Cloud white Metallised titanium Metallised slate
	LIFT AND EMERGENCY	Wired	GW 24 403	Complete with illuminated push-button switch	GW 32 450 GW 32 451	White Red
		2		Self-supporting plates	GW 32 452 GW 32 453	White Red
WATERTIGHT FLUSH MOUNTING IP55	RECTANGULAR BOXES	3	GW 24 403	Self-supporting plates	GW 32 461 GW 32 462	Cloud white Toner black
		4	GW 24 404		GW 32 466 GW 32 467	Cloud white Toner black
	BOXES FOR LIGHT WALLS	3	GW 24 403 PM	Self-supporting plates	GW 32 461 GW 32 462	Cloud white Toner black
		4	GW 24 404 PM		GW 32 466 GW 32 467	Cloud white Toner black
WALL-MOUNTING	WALL-MOUNTING BOXES	1	GW 32 431 Cloud white GW 32 432 Toner black	GW 32 403	PLAYBUS	in the 10 colours
		2		GW 32 402		
		3		GW 32 403		
		8	GW 32 436 Cloud white GW 32 437 Toner black	GW 32 407	LIFT AND EMERGENCY	
MISCELLANEOUS	DEEP COVERS FOR RECTANGULAR FLUSH-MOUNTING BOXES	1	GW 24 403 + GW 24 228	GW 32 403	PLAYBUS and PLAYBUS YOUNG	in the 10 colours
		2		GW 32 402	LIFT AND EMERGENCY	
		3		GW 32 403		
	FREE-STANDING PANEL	4	GW 32 411		Toner black	
		8	GW 32 412			
	SUPPORTS FOR ASSEMBLY ON DIN RAIL	1		GW 32 421	Toner black	
		2		GW 32 422		
		3		GW 32 423		

Playbus

Dimension tables

PLAYBUS PLATES 2 ÷ 18 MODULES

A	2 MODULES	3 MODULES	4 MODULES	6 MODULES
B	116	116	140	190
C	80	80	80	80
D	-	-	-	-

A	4+4 MODULES	6+6 MODULES	6+6+6 MODULES
B	140	190	190
C	137.5	137.5	195
D	117.5	117.5	176

2 MODULES
3 MODULES
4 MODULES
6 MODULES

4+4 MODULES
6+6 MODULES - 6+6+6 MODULES

8.5

PLAYBUS YOUNG PLATES, 2 ÷ 6 MODULES
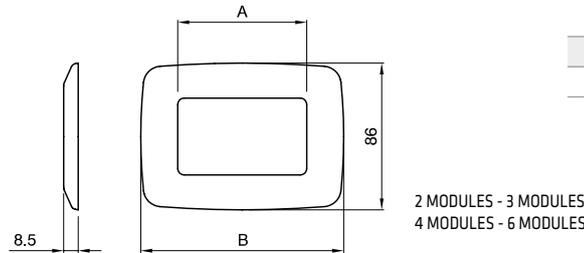
A	2 MODULES	3 MODULES	4 MODULES	6 MODULES
B	118	118	143	193

2 MODULES - 3 MODULES
4 MODULES - 6 MODULES

8.5
86

PLATES FOR PROFILES
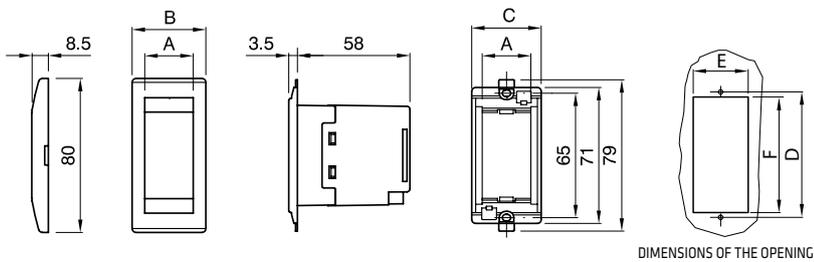
CODE	A	B	C	D	E	F
GW 32 121 GW 32 122 GW 32 123	1 MODULE	42	36	65	31.5	54
GW 32 131 GW 32 132 GW 32 133	2 MODULES	68	62	65	56.5	54

DIMENSIONS OF THE OPENING

8.5 80 3.5 58 65 71 79

WATERTIGHT PLATES

CODE	A	B	C
GW 32 461 GW 32 462	3 MODULES	83.5	121
GW 32 466 GW 32 467	4 MODULES	108.5	146

87 21 7 14
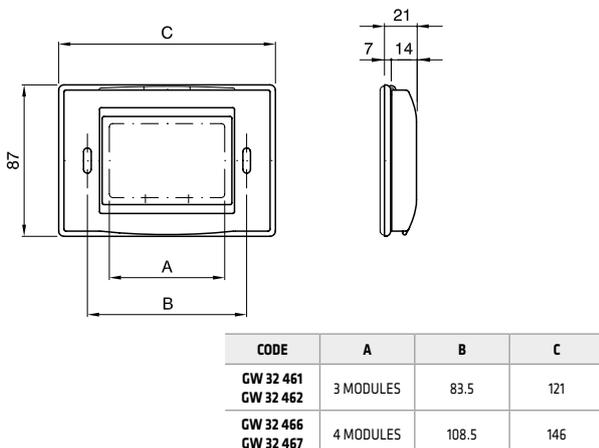
PLATES FOR LIFT - EMERGENCY

GW 32 450 - GW 32 451
GW 32 452 - GW 32 453

116 18 80
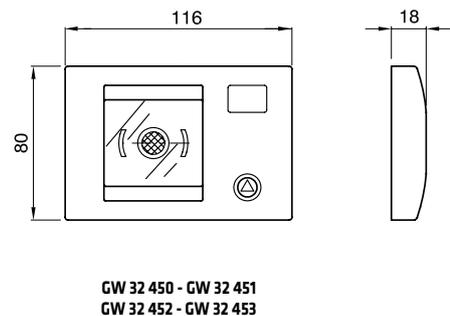
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FREE-STANDING PANELS
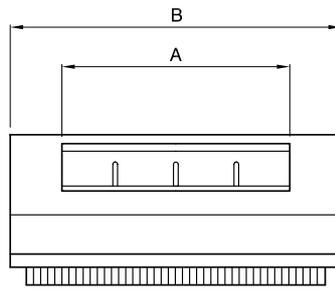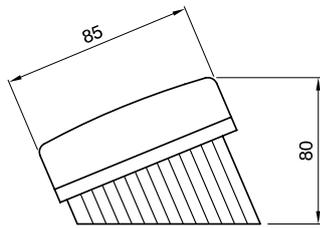
CODE	A	B
GW 32 411	4 MODULES	140
GW 32 412	8 MODULES	240

Screw tightening torque: 0.8 Nm

SUPPORTS FOR PLAYBUS / YOUNG PLATES

2 MODULES

4+4 MODULES - 6+6 MODULES - 6+6+6 MODULES

3 MODULES - 4 MODULES - 6 MODULES
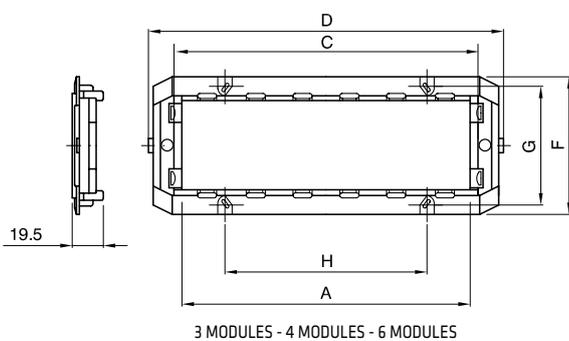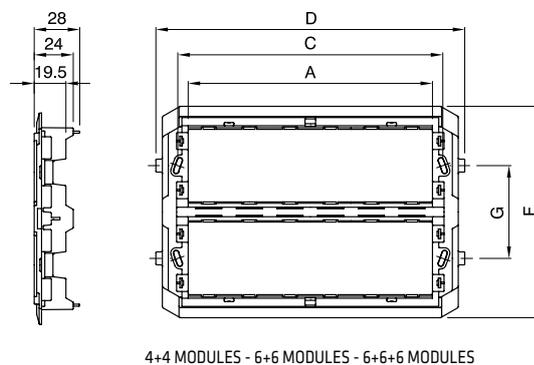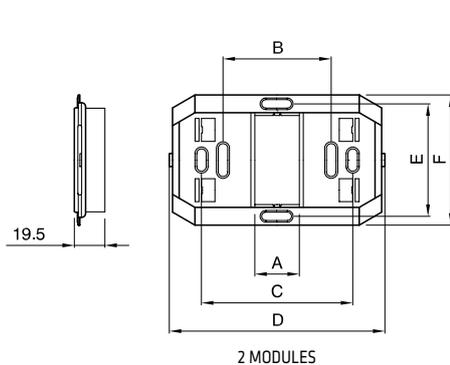
CODE	GW 32 401	GW 32 402	GW 32 403	GW 32 404	GW 32 406	GW 32 407	GW 32 408	GW 32 409
A	1 MODULE	2 MODULES	3 MODULES	4 MODULES	6 MODULES	4+4 MODULES	6+6 MODULES	6+6+6 MODULES
B	60	60	-	-	-	-	-	-
C	83.5	83.5	83.5	108.5	-	112	163	163
D	115	115	115	140	190	140	190	190
E	60	60	-	-	-	-	-	-
F	70	70	70	70	70	127.5	127.5	185
G	-	-	-	-	60	57.5	57.5	117
H	-	-	-	74	100	-	-	-

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FLUSH-MOUNTING BOXES	SUPPORTS	DEVICES
3M GW 24 403 / GW 24 403 PM	GW 32 402 / GW 32 403	
4M GW 24 404 / GW 24 404 PM	GW 32 404	
6M GW 24 406 / GW 24 406 PM	GW 32 406	
4+4M GW 24 237 / GW 24 237 PM	GW 32 407	
6+6M GW 24 238	GW 32 408	
6+6+6M GW 24 239	GW 32 409	
2M GW 24 231	GW 32 402	

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Playbus

PLATES

PLAYBUS YOUNG

GW 32 xx2

PLAYBUS

GW 32 xx2

PLAYBUS YOUNG

GW 32 xx3

PLAYBUS

GW 32 xx3

PLAYBUS YOUNG

GW 32 xx4

PLAYBUS

GW 32 xx4

PLAYBUS YOUNG

GW 32 xx6

PLAYBUS

GW 32 xx6

PLAYBUS

GW 32 xx7

PLAYBUS

GW 32 xx8

PLAYBUS

GW 32 009

PLAYBUS YOUNG

GW 32 xx2

PLAYBUS

GW 32 xx2