



22mm Switches

- Industrial switches and indicators
- Industry standard 22mm diameter
- Modular construction
- Pilot Lamps
- 24Vdc to 440Vac
- cUL, TUV approvals

Pushbutton switches

- 220-240V - 3A / 380-415V - 1.5A
- Flush, raised button
- Emergency stop complies with EN418
- Illuminated and non-illuminated versions

Selector switches

- 220-240V - 3A / 380-415V - 1.5A
- Short, long lever and key operated options
- Illuminated and non-illuminated versions

Full range of accessories

- LED bulbs, shrouds, legends and name plates
- Sealing covers and mounting adaptors

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Push Button Switches



- ▶ Illuminated and non-illuminated versions
- ▶ Latching and momentary versions
- ▶ Flush and raised buttons
- ▶ Key operated versions
- ▶ Emergency stop compliant with EN418
- ▶ Modular construction
- ▶ Rating up to:
 - 220-240V - 3A,
 - 380-415V - 1.5A
- ▶ cUL, TUV approvals

APB22 F 11 G A

Series

APB22 — Non-Illuminated
ALB22 — Illuminated

ALB22

Voltage Rating

A — 24V ac/dc
E — 100-120V ac/dc
J — 220-240V ac/dc
M — 380-440V ac

Button Type

APB22 (non-illuminated)	ALB22 (illuminated)
F – Flush (mom.)	F – Flush (mom.)
E – Raised (mom.)	E – Raised (mom.)
L – Flush (latching)	L – Flush (latching)
P – Raised (latching)	P – Raised (latching)
D – Double push button	D – Double push button
M – Mushroom 40ø (mom)	M – Mushroom 40ø (mom)
G – Mushroom 40ø (latching)	G – Mushroom 40ø (latching)
R – Mushroom 40ø (Latching - twist to release)	R – Mushroom 40ø (Latching - twist to release)
K – Mushroom 40ø (mom) with key	
S – Reset Mushroom 35ø (push-pull)	

Actuator Colour

APB22	ALB22
R – Red	R – Red
G – Green	G – Green
Y – Yellow	Y – Yellow
S – Blue	S – Blue
W – White	W – White
B – Black	

Contact Blocks

01 – 1a	21 – 1a+1a, 1b
10 – 1b	12 – 1a, 1b+1b
11 – 1a, 1b	22 – 1a+1a, 2a+2a
20 – 1a+1a	02 – 1b+1b

Momentary Operation

APB22 Series

Non-Illuminated Switches

ALB22 Series

Illuminated Switches

APB22 Series

Key Switches

APB22 Series

Non-Illuminated Switches

APB22 Series

Non-Illuminated Switches

ALB22 Series

Illuminated Switches



APB22F
Flush



ALB22F
Flush



APB22K
Emergency Stop - Key



APB22L
Flush (Latching)



APB22S
Reset (Push-Pull)



ALB22L
Flush (Latching)



APB22E
Raised



ALB22E
Raised



APB22K
Emergency Stop - Key



APB22P
Raised (Latching)



ALB22P
Raised (Latching)



APB22M
Mushroom



ALB22M
Mushroom



APB22G
Mushroom (Latching)



ALB22G
Mushroom (Latching)



APB22D
Double Button



ALB22D
Double Button



APB22R - Mushroom
Twist to Release



ALB22R - Mushroom
Twist to Release



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Key & Selector Switches



- ▶ Illuminated and non-illuminated versions
- ▶ Long and short levers
- ▶ Key operated versions
- ▶ 2 and 3 positions switching
- ▶ Modular construction
- ▶ Rating up to:
 - 220-240V - 3A
 - 380-415V - 1.5A
- ▶ cUL, TUV approvals

ALS22 S 2 11 G A

Series
 ASS22 — Non-Illuminated
 ALS22 — Illuminated

ALB22
Voltage Rating
 A — 24V ac/dc
 E — 100-120V ac/dc
 J — 220-240V ac/dc

Lever Type

ASS22 (non-Illuminated)	ALS22 (Illuminated)
S – Short Lever	S – Short Lever
L – Long Lever	L – Long Lever
K – Key Operated	

Actuator Colour

ASS22	ALS22
R – Red	R – Red
G – Green	G – Green
Y – Yellow	Y – Yellow
B – Black	

Contact Blocks

01 – 1a	21 – 1a+1a, 1b
10 – 1b	12 – 1a, 1b+1b
11 – 1a, 1b	22 – 1a+1a, 2a+2a
20 – 1a+1a	02 – 1b+1b

Switch Types

Selector Switches Key Switches



ASS22S
Short Lever Switch



ASS22K - Key Switch
(shown with key)



ASS22L
Long Lever Switch



ASS22K
Key Switch

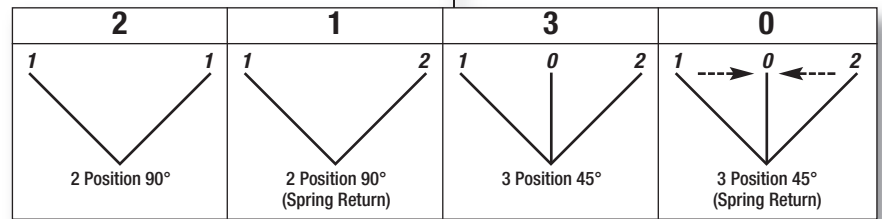


ALS22S
Short Lever Switch



ALS22L
Long Lever Switch

Switch Operation



Pilot Lamps



APL22



ALD22

- ▶ Modular construction or a single assembly
- ▶ LED Illumination
- ▶ Red, Green, Yellow, Blue and White illumination
- ▶ 24Vac/dc, 100-120Vac/dc, 220-240Vac/dc, 380-440Vac supply

APL22 G A

Series

APL22 — Modular Construction (Domed Lens)
ALD22 — Single Assembly (Flat Lens)

Lens Colour

R - Red
G - Green
Y - Yellow
S - Blue
W - White

APL22

Voltage Rating

A — 24V ac/dc
E — 100-120V ac/dc
I — 220-240V ac/dc
M — 380-440V ac

APD22

Voltage Rating

A — 24V ac/dc
D — 110V /dc
E — 100-120V ac/dc
G — 220V dc
J — 220-240V ac/dc
M — 380-440V ac

Accessories

- ▶ Contact blocks
- ▶ LED lamp modules
- ▶ BA9 LED bulbs
- ▶ Splash proof covers
- ▶ Legend accessories
- ▶ Emergency stop plates and guards



APLBA9 Bulb Holder Block shown with DBA9 Bulb



ACB01 - Contact Block (1a) Normally Closed



ACB10 - Contact Block (1b) Normally Open



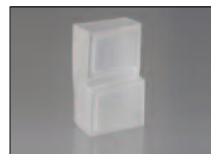
APLBA9 Bulb Holder Block



LED DBA9 DBA9 X X - Bulb



DBA9T2 Bulb Tool



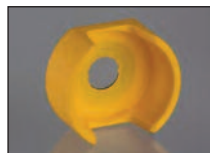
DPB22D06 Rectangular Cover



DPB22P06 Round Cover



DB22R01C Emergency Stop Plate



DEM001Y Shroud



DPB3001W - Adaptor Ring 22-30mm (2 parts)



DPPB02T Panel Nut Tool



DPB2201C Nameplate Holder

PART No BREAKDOWN for BA9 LED BULBS

DBA9 X X

Lens Colour

R - Red
G - Green
Y - Yellow
S - Blue
W - White

Voltage

A — 24V AC/DC
E — 100-120V AC/DC
I — 220-240V AC/DC

DPB2201Cxx - Standard Legends (for use with DPB2201C)

DPB22 01C01	ON	DPB22 01C06	REV	DPB22 01C11	0 - I
DPB22 01C02	OFF	DPB22 01C07	UP	DPB22 01C12	ON OFF ON
DPB22 01C03	STOP	DPB22 01C08	DOWN	DPB22 01C13	FWD OFF REV
DPB22 01C04	START	DPB22 01C09	RUN	DPB22 01C14	MAN OFF AUTO
DPB22 01C05	FWD	DPB22 01C10	OFF ON		

Technical Data

Materials

Body	Nylon 66
Flammability Rating	UL94V-0
Current carrying parts	Copper Alloy
Contacts	Silver Cadmium oxide Alloy gold plated
Slotted Phillips Screw (M3.5)	Steel, Zinc plated
Splash proof cover	Silicone Rubber
Panel seal	PVC

Electrical

Switch Rating	220-240V - 3A 380-415V - 1.5A
Electrical Life (operations)	500,000
Mechanical Life (operations)	1,000,000
Contact Resistance (new)	Less than 30m Ω
Dielectric Strength	
Across open contacts >2KV	
Between poles	>3kV
Contact gap	>3mm
Screw Torque	0.8Nm
Max. Wire size (per terminal)	1x 1.5mm ² max.

Mechanical

Panel hole Size	22.5mm diameter
Panel Thickness Range	
For types, E, F, D, M, S, L & K	0.5 to 5.0mm
For Type R	0.5 to 4.0mm
Fixing nut torque	80/120Nm
Max No. of Modules	3 (Stack height)
Operating Temp. (min./max.)	-5° to +40°C

Sealing

For Push/Pull types	IP65
For K, S L, R & M types	IP55
For D type	IP54
Adaptor 30mm dia.	IP54 Adaptor
Splash proof covers	IP67
Illumination type	9mm bayonet BA9s LED
Bulb Voltages	6/24V, 100/120V, 220/240V, 380/415V ac/dc

Approvals

UL and cUL	File no. E311309
TUV	File no. R50158376
RoHS & REACH	Compliant



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