CONTROL STATIONS

Stop / Start & Directional Push Button Control Stations – 22mm

PUSH BUTTON – PUSH TO RELEASE HEAD

REGISTERED DESIGN

IP66

1DE.02.02AG

2DE.02.02AG

1DE.02.02AB

2DE.02.02AB

PUSH BUTTON – FLUSH HEAD

1DE.03.02AB

2DE.03.02AB

1DE.03.02AG

2DE.03.02AG
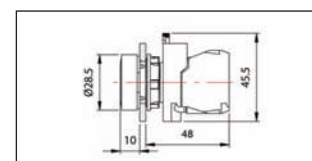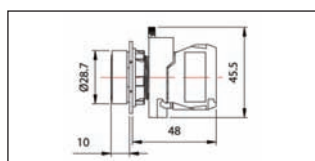
DPB22-LF CONTROL STATIONS

Non-illuminated push button control station with a push to release red flush head and one green flush head, contact blocks 1x N.O. and 1x N.C., choice of base depths and colours.

- Standard Base (DE01S): H80 x W73 x D53mm suitable for 2x contact blocks per switch
- Deep Base (DE01D): H80 x W73 x D78mm suitable for 4x contact blocks per switch
- Materials: Flame retardant ABS UL94-HB (A) or Polycarbonate UL94-V0 (P)
- Colours – Base: Black (B) or grey (G) Cover With Switch: Grey (G)
- Sealed up to IP66
- Complete with 2x M20 threaded and 1x M20 non-threaded cable entry knockouts
- Snap-on flange and din rail brackets, optional
- With black on silver "STOP and START" function legend

DPB22-FLF CONTROL STATIONS

Non-illuminated push button control station with two green flush heads and a push to release red flush head, contact blocks 1x N.O. and 1x N.C., choice of base depths and colours.
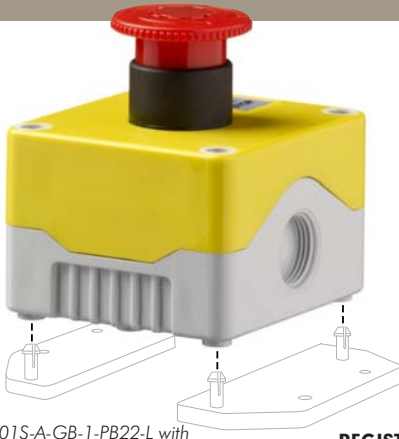
- Standard Base (DE01S): H80 x W73 x D53mm suitable for 2x contact blocks per switch
- Deep Base (DE01D): H80 x W73 x D78mm suitable for 4x contact blocks per switch
- Materials: Flame retardant ABS UL94-HB (A) or Polycarbonate UL94-V0 (P)
- Colours – Base: Black (B) or grey (G) Cover With Switch: Grey (G)
- Sealed up to IP66
- Complete with 2x M20 threaded and 1x M20 non-threaded cable entry knockouts
- Snap-on flange and din rail brackets, optional
- With black on silver "FWD, STOP and REV" function legend

Ø28.7   45.5   10   48

Ø28.5   45.5   10   48

See Accessories for SNAP-ON* Flange & DIN Rail Brackets

*REGISTERED DESIGN

DE01S-A-GB-1-PB22-L with optional flange brackets

REGISTERED DESIGN

IP65/7

DE01S-A-YG-1-PB22-R with optional DIN rail brackets

This unique range of robust, sealed control stations have been specially designed and manufactured for use in the electrical and electronic engineering markets.

MAIN FEATURES

- Enclosure sealed up to IP67
- Unique snap-on DIN rail and flange brackets
- Dust and waterproof for short-term submersion with integrated moulded seals
- Enclosure available in three flame retardant materials: Polycarbonate – UL94-V0 for improved resistance to shock, ABS – UL94-HB and ABS – UL94-V0
- 2x threaded M20 cable entry and knockout – premoulded area that can be pushed out for use with M20 size male cable gland
- Additional non-threaded M20 knockout on base
- Captive plastic screws to lid fixing for corrosion resistant, increase torque and insulation
- Elongated integral chassis fixing holes retaining IP rating
- Common threaded hole mounts cover to base and base to chassis
- Accepts both "D" and location lug for push button barrels
- Selector and key switches can be mounted centre or at 90˚
- PCB mounting posts and slots as standard
- 2x PCB mounting location studs
- 8-22x vertical PCB mounting slots, as standard
- 4-8x self-tapping screw fixings for mounting PCB
- 10 sizes available accepting 1 to 6 push button switches
- All bases available in two depths, 53mm and 78mm

- Standard base with only 47mm internal depth measurement
- Standard base suitable for 2x contact blocks per switch
- Deep base suitable for 4x contact blocks per switch

MOUNTING OPTIONS
- 4x elongated integral mounting holes
- Snap-on chassis mounting flange
- Snap-on DIN rail mounting brackets

COLOURS
- Base: Black (B) or grey (G)
- Cover: Black (B), grey (G) or yellow (Y)

ACCESSORIES
- Wall mounting brackets
- Combi foot - TS32 and TS35 DIN rail mounting clip
- M20 cable glands for use in knock-outs
- Component mounting bracket

SWITCH MATERIALS
Body: PA66 + 15%GF-VO
- Illuminated types Polycarb VO
- Lever types POM polyacetal
- Push button types PA66 V2
- Contact block bracket PA66 V2 + 15%gf
- Contact Block PA66 VO
- Contact block plunger PA66 VO + 15%gf
- Rubber boot silicone rubber
- Push/pull button PA66 V2
- Panel seal PVC
- Panel nut PA66 V2 +15%gf
- Key brass, nickel plate
- Legend holder PA66 V2
- Legend PP

Contacts:
- Copper alloy/nickel silver
- AgCdO silver, gold plated Bifurcated serrated

Screw & Clamp:
- Steel, nickel plated
- M3.5 captive steel, chrome plate

Splash Proof Cover: Silicone rubber

Keys: Brass, nickel plated, 2 supplied

Electrical Properties:
Switch Rating:

AC12 Resistive Load 220-240V…		3A
	380-415V…	1.5A
AC15 Electromagnetic Loads…		3A
	380-415V…	1.5A

Electrical Life (operations):
500,000 at full load
Mechanical Life (operations): 1,000,000
Contact Resistance (new): Less than 30mΩ
Insulation Resistance:
Above 100MΩ @500Vdc
Dielectric Strength:

Across open contacts:	>1KV	>2KV
Between poles:	>3KV	>3KV
Between live parts and accessible metal:	>4KV	>5KV

Contact Gap: >3mm
Termination: Screw and clamp
Max. Wire size (per terminal):
1x 0.5 – 2.5mm2 or
2 x 1mm2 each side of screw
2 x 1.5mm^2 dia max. multi strand
(2 wires per clamp)

Physical Properties:
Operating Temp. (min./max.):
-10° + 65° in house
Storage Temp. (1 year): -20°/+60°C

Mechanical Properties:
Panel hole size: 22.5 diameter round with 3.2 dia. keyway
For types R (Emergency Stop - Reset):
40N (with 1 module) to EN418

Sealing: Ingress Rating (IPxx)
Switch: IP66
IP66 types F, L, E, palm
IP65 types push/pull
IP56 types K, S, L, R, M
IP56 D
Switch to panel (22mm): IP66
Splash proof cover, round: IP67 for Types F, E, L
Splash proof cover, rectangular: IP67 for Type D

Illumination:
Bayonet BA9s LED – Voltages: 6/24V, 100/120 – 220/240V 380/415V, ac/dc
Bayonet 9mm – Voltages: + 380-415 VAC
Life: 100,000 hours

Product Marking:
Terminal Numbers:
1 & 2 – On Contact Block, CB-01, N.O.
3 & 4 – On Contact Block, CB-10, N.C.