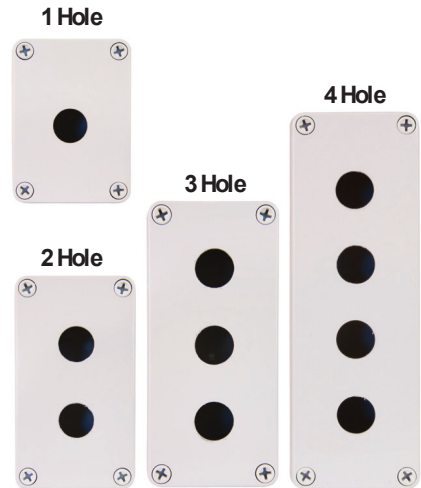


22.5mm Pilot Devices

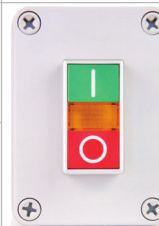
PUSHBUTTON SURFACE-MOUNTING ENCLOSURES FOR 22mm OPERATORS - ABS

DESCRIPTION	DIMENSIONS	PT NUMBER	TRADE PRICE
STANDARD OPERATORS NON ILLUMINATED			
1 Hole	110 x 80 x 65mm deep	D221H65	
2 Hole	40 x 80 x 65mm deep	D222H65	
3 Hole	170 x 80 x 65mm deep	D223H65	
4 Hole	230 x 80 x 65mm deep	D224H65	
ILLUMINATED OPERATORS OR OPERATORS WITH ADDITIONAL CONTACT BLOCKS			
1 Hole	110 x 80 x 85mm deep	D221H85	
2 Hole	140 x 80 x 85mm deep	D222H85	
3 Hole	170 x 80 x 85mm deep	D223H85	
4 Hole	230 x 80 x 85mm deep	D224H85	



ASSEMBLED ENCLOSURES:

DESCRIPTION	PT No.	TRADE PRICE
Standard E/Stop Station 110 x 80 x 65mm deep	D22ES65	
Other combinations available on request		
Stop/Start Station Non-illuminated 110 x 80 x 65mm deep	D22DB65	
Stop/Start Station Illuminated 110 x 80 x 85mm deep	D22DBI85 ①	



HEAVY DUTY PUSHBUTTON STATIONS

STAINLESS STEEL		POWER COATED	
PT NUMBER	ENCLOSURE SIZE	PT NUMBER	
CTX15ES60	150x150x120mm	CT15ES60	
CTX20ES60	200x200x120mm	CT20ES60	

TECHNICAL DATA FOR DENKER 'D' RANGE 22mm - Pushbuttons & Indicating Pilot Lights

IEC STANDARDS AND APPROVALS:

IEC/EN 60946-1
IEC/EN 60947-5-1
IEC 947
CE Low Voltage Directive

ELECTRICAL RATING:

AC: 220V/6A, 380V/4A, 660V/2A
DC: 24V/6A, 48V/6A, 110V/1A, 220V/0.5A, 440V/0.25A
Thermal Rating $i_{th} = 10A$
Contact Resistance: ≥ 50 milli-ohm
Insulation Rating: AC 2,500V 50HZ 1Minute
Rated Working Insulation Voltage: 660V AC
Electrical life: $\geq 6 \times 10^5$

MECHANICAL LIFE:

Push-buttons: 3×10^5 ; Selector Switch: 3×10^5 ;
Key Switch: 5×10^5 ; Emergency Switch: 5×10^4

TERMINATIONS:

Connections are screw-clamp terminals with Pozidrive or "Phillips type + Slot" Screw Head.
Terminal capacity: $1 \times 0.5mm^2$ or $2 \times 0.5mm^2$ stranded or solid wire.

ENVIRONMENTAL:

Ambient operating temperature:
-25°C to +60°C
Ambient storage temperature: -40°C to +65°C
Degree of Protection: IP40 (from front panel only).
Pushbuttons fitted with boots IP65
Allowable ambient humidity: $\geq 98\%$
Ambient Vibration: 2-80 Hz $\geq 0.7g$

MATERIALS:

Bezel: Brushed Aluminium
Mounting Base: Zinc Alloy Die Cast
Body: Polyamide
Lens: Polycarbonate
Contact Point: Silver-Nickel Alloy (AgNi)

MOUNTING:

Screw Fixing Metal Mounting Block
Mounting Hole: 22.5mm $\pm 0.4mm$
Mounting Centre: 30x50mm
Panel Thickness: 1.2mm to 8mm max

LIGHT SOURCE FOR ILLUMINATED OPERATORS:

- Snap on Integrated LED light-block with independent screw terminals (X1, X2).
- InGAN LED chips for Green, Blue and White (Pure Green, Blue and White).
- Normal LED chips for Red, Amber and Yellow.
- Rated Current and Power: $\geq 20mA$ for 6V-48V AC/DC and 1.5W max for 110V to 380V AC.
- Life expectancy: 30K to 50K hrs.
- Brightness: $\geq 60cd/m^2$.
- Polarization: Non-polarized for both AC and DC operation.

Mounting Matrix

Description	Dimensions (mm)	
	A	B
All operators except those listed below.	30	50
40mm operators	45	50
Pushbutton fitted with Boots.	35	50

