## Catalogue No: D7P-LF0PN3AX10

#### PUSHBUTTON 22.5mm PLASTIC FLUSH ILLUM AMBER 24VACDC 1NO

Operator Control Devices > Pushbuttons and Control Switches > Pushbuttons and Pilot Lights > Sprecher + Schuh D7 Pushbuttons and Pilot Lights > D7 Momentary Pushbuttons > D7 Momentary Pushbuttons (Fully Assembled Units)



#### Button plastic illuminated Amber 24V AC/DC 1N/O

- The D7 range of 22.5mm operator control devices includes a diverse range of products making it suitable for use in a wide range of applications. Products in the range include pushbuttons, selector switches, pilot lights, emergency stop operators and more.
- Aesthetically appealing and modularly designed to make assembly and interchangeability easy.
- Operators exhibit low profile and stylish appearance while maintaining the rugged performance necessary for demanding environments
- Operators are available in both plastic (D7P) and metal (D7M) variants.

Representative Photo Only (actual product may vary based on configuration selections)

SPECIFICATIONS       Component Type Pushbutton and Pilot Lights     Pushbutton, Flush, Illuminated type       Operator Type     Pushbutton, Flush, Illuminated type       Operator Action     Momentary action       Diameter, Operator     29.6 mm       Colour, Operator     Amber colour       Material, Operator     Amber colour       Material, Bezel     Giass-Filled Nylon / PA6 / PA66 (Polyamide 6)       Coupling Plate Included     Yes Y / N       Material, Coupling Plate     Glass-Filled Nylon / PA6 / PA66 (Polyamide 6)       Dameter, Mounting Hole(s)     22.5 mm       Contact Configuration     1 NO       In, Rated Current     10 A       Ie, Rated Operational Current, AC-1, 240V     10 A@240V       Ie, Rated Operational Current, AC-1, 240V     3 A@240V       Ie, Rated Operational Current, AC-15, 110-120V     6 A@110-120V       Ie, Rated Operational Current, AC-15, 240V     3 A@240V       Ie, Rated Operational Current, AC-15, 240V     2 A @415V <tr< th=""><th></th><th></th></tr<>		
Operator TypePushbutton, Flush, Illuminated typeOperator ActionMomentary actionDiameter, Operator29.6 mmColour, OperatorAmber colourMaterial, OperatorPlastic materialOperator Insert TypeAmber insertMaterial, BezelGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Contact Configuration1 NOIn, Rated Current10 AIe, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 440V3 A@240VIe, Rated Operational Current, AC-15, 440V6 A@110-120VIe, Rated Operational Current, AC-15, 440V0 A@240VIe, Rated Operational Current, AC-16, 4415V0 Colour, Contact ACturentUi, Rated Insulation Voltage680 V (rms)Compati	SPECIFICATIONS	
Operator ActionMomentary actionDiameter, Operator29.6 mmColour, OperatorAmber colourMaterial, OperatorPlastic materialOperator Insert TypeAmber insertMaterial, BezelClass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateClass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting PlateClass-Filled Nylon / PA6 / PA66 (Polyamide 6)Contact Block IncludedYesContact Configuration1 NOIn, Rated Current10 AIe, Rated Operational Current, AC-15, 240V6 A@110-120VIe, Rated Operational Current, AC-15, 110-120V6 A@125VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	Component Type Pushbutton and Pilot Lights	Pushbutton
Diameter, Operator29.6 mmColour, OperatorAmber colourMaterial, OperatorPlastic materialOperator Insert TypeAmber insertMaterial, BezelClass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateClass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Configuration1 NOIn, Rated Current10 AIe, Rated Operational Current, AC-1, 240V10 A@240VIe, Rated Operational Current, AC-15, 110-120V6 A@110-120VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm Control & Indication compatibleUi, Rated Insulation Voltage680 V (rms)Conputble Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	Operator Type	Pushbutton, Flush, Illuminated type
Colour, OperatorAmber colourMaterial, OperatorPlastic materialOperator Insert TypeAmber insertMaterial, BezelGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Configuration1 NOIn, Rated Current10 AIe, Rated Operational Current, AC-1, 240V10 A@240VIe, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 240V22.5 mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm MountingUi, Rated Insulation VoltageSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Operator Action	Momentary action
Material OperatorPlastic materialOperator Insert TypeAmber insertMaterial, BezelGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesIn, Rated Current10 AIn, Rated Current10 AIe, Rated Operational Current, AC-1, 240V3 A@240VIe, Rated Operational Current, AC-15, 240V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilven Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Diameter, Operator	29.6 mm
Operator Insert TypeAmber insertMaterial, BezelGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Configuration1 NOIn, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V6.6 A@125VMounting22.5mm Mountingli, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	Colour, Operator	Amber colour
Material, BezelGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Coupling Plate IncludedYes Y / NMaterial, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Configuration1 NOIn, Rated Current10 AIe, Rated Operational Current, AC-1, 240V10 A@240VIe, Rated Operational Current, AC-15, 110-120V6 A@110-120VIe, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	Material, Operator	Plastic material
Coupling Plate IncludedYes Y/NMaterial, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Configuration1 NOIn, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	Operator Insert Type	Amber insert
Material, Coupling PlateGlass-Filled Nylon / PA6 / PA66 (Polyamide 6)Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Block Included1 NOIn, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V0.6 A@115Vle, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Material, Bezel	Glass-Filled Nylon / PA6 / PA66 (Polyamide 6)
Diameter, Mounting Hole(s)22.5 mmContact Block IncludedYesContact Configuration1 NOIn, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V2.2 A@415Vle, Rated Operational Current, AC-15, 415V2.2 A@415Vle, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Coupling Plate Included	Yes Y/N
Contact Block IncludedYesContact Configuration1 NOIn, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V0.6 A@125Vle, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Material, Coupling Plate	Glass-Filled Nylon / PA6 / PA66 (Polyamide 6)
Contact Configuration1 NOIn, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 240V0.6 A@125Vle, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColor, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Diameter, Mounting Hole(s)	22.5 mm
In, Rated Current10 Ale, Rated Operational Current, AC-1, 240V10 A@240Vle, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 415V2.2 A@415Vle, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Contact Block Included	Yes
Ie, Rated Operational Current, AC-1, 240V10 A@240VIe, Rated Operational Current, AC-15, 110-120V6 A@110-120VIe, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Contact Configuration	1 NO
Ie, Rated Operational Current, AC-15, 110-120V6 A@110-120Vle, Rated Operational Current, AC-15, 240V3 A@240Vle, Rated Operational Current, AC-15, 415V2.2 A@415Vle, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	In, Rated Current	10 A
Ie, Rated Operational Current, AC-15, 240V3 A@240VIe, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	le, Rated Operational Current, AC-1, 240V	10 A@240V
Ie, Rated Operational Current, AC-15, 415V2.2 A@415VIe, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	le, Rated Operational Current, AC-15, 110-120V	6 A@110-120V
Ie, Rated Operational Current, DC-13, 125V0.6 A@125VMounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, SpringStainless Steel	le, Rated Operational Current, AC-15, 240V	3 A@240V
Mounting22.5mm MountingUi, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	le, Rated Operational Current, AC-15, 415V	2.2 A@415V
Ui, Rated Insulation Voltage680 V (rms)Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	le, Rated Operational Current, DC-13, 125V	0.6 A@125V
Compatible Product SeriesD7 22.5mm Control & Indication compatibleMaterial, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Mounting	22.5mm Mounting
Material, ContactsSilver Nickel (AgNi) materialColour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Ui, Rated Insulation Voltage	680 V (rms)
Colour, Contact ActuatorGreenTerminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Compatible Product Series	D7 22.5mm Control & Indication compatible
Terminal TypeScrew Terminal(s)Material, TerminalBrassMaterial, SpringStainless Steel	Material, Contacts	Silver Nickel (AgNi) material
Material, Terminal Brass   Material, Spring Stainless Steel	Colour, Contact Actuator	Green
Material, Spring Stainless Steel	Terminal Type	Screw Terminal(s)
······································	Material, Terminal	Brass
Operating Force 5 N	Material, Spring	Stainless Steel
	Operating Force	5 N



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Operator Control Devices > Pushbuttons and Control Switches > Pushbuttons and Pilot Lights > Sprecher + Schuh D7 Pushbuttons and Pilot Lights > D7 Momentary Pushbuttons > D7 Momentary Pushbuttons (Fully Assembled Units)



Linear Travel to Actuation	2.5 mm
Pickup Voltage	17 V
Pickup Current	5 mA
Ith, Thermal Current, Open	10 A
•	0.75 mm <sup>2</sup> min
Wire / Conductor Size (Min)	2.5 mm <sup>2</sup>
Wire / Conductor Size (Max)	
Dielectric Strength	2.5kV for 1 minute V AC
Recommended Fuse Current Rating	10 A
Fuse Characteristic Type(s)	gL/gG
Illuminated	Yes Y/N
Lamp Module Included	Yes
Un, Nominal Operational Voltage, AC	24 V AC
Ubmin, Service Voltage, AC, Min	10 V AC
Ubmax, Service Voltage, AC, Max	29 V AC
Un, Nominal Operational Voltage, DC	24 V DC
Ubmin, Service Voltage, DC, Min	10 V DC
Ubmax, Service Voltage, DC, Max	30 V DC
Rated Frequency	50 / 60 Hz
Lamp Туре	LED type
Lamp Holder	Integrated Lamp Module
Lamp Power, Max	1 W max
Material, Body / Housing	Polycarbonate & PBT Blend material
Tightening Torque, Nominal	1.7 Nm
Electrical Service Life at Un, In	500000 cycles
Mechanical Service Life	10000000 cycles
RoHS Approved	Yes
CE Marked	Yes
Operating Temperature, Max	70 °C max
Operating Temperature, Min	-25 °C min
Storage Temperature, Max	85 °C max
Storage Temperature, Min	-25 °C min
Relative Humidity, Min	50 %RH
Relative Humidity, Max	95 %RH
IP Rating	IP65
	IP66
Charle Associated (Mary )	IP69K
Shock Acceleration (Max.)	100 g
Shock Duration (Max.)	11 ms
Vibration Acceleration (Max.)	10 m/s <sup>2</sup>
Vibration Displacement (Peak to Peak Max.)	1.52 mm
Vibration Frequency, Operational (Max.)	2000 Hz
Vibration Duration (Max.)	180 min
Standards Compliance	NEMA ICS-5 UL 508 EN 60947-1 EN 60947-5-1 EN 60947-5-5 EN 418
Certifications	UL UR CSA CCC CE



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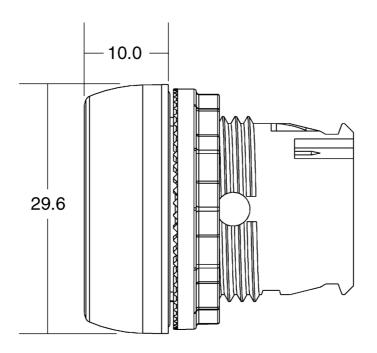
Operator Control Devices > Pushbuttons and Control Switches > Pushbuttons and Pilot Lights > Sprecher + Schuh D7 Pushbuttons and Pilot Lights > D7 Momentary Pushbuttons > D7 Momentary Pushbuttons (Fully Assembled Units)



Shipping	Approvals
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RINA (Registro Italiano Navale) ABS (American Bureau of Shipping) Lloyd's Register of Shipping

REFERENCES	
IECEx Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	Series D7_Manufacturer Datasheet
Manufacturer Catalogue & Product Selection:	-



Dimension Diagram

