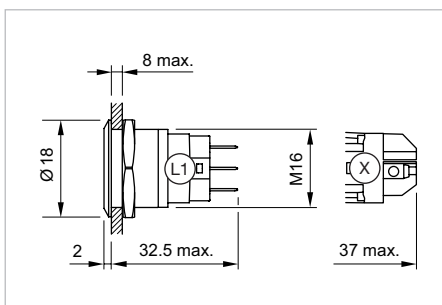


82 Flush design

Pushbutton 16 mm, Silver contact, IP 65 & IP 67

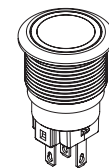


Product can differ from the current configuration.



Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal

Equipment consisting of (schematic overview)



Actuator



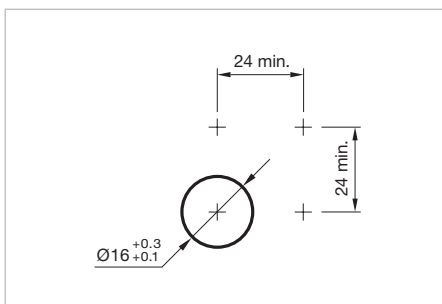
Seal



Fixing nut





Additional Information









- Contacts: 1 change over (NC/NO)
- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.



Mounting cut-outs [mm]




Each Part Number listed below includes all the black components shown in the 3D-drawing.

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4151.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4151.2000	2	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4161.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4161.2000	2	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4171.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4171.2000	2	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4181.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4181.2000	2	2	0.023 kg





Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4251.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4251.2000	2	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4261.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4261.2000	2	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4271.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4271.2000	2	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4281.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4281.2000	2	2	0.023 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4351.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4351.2000	2	2	0.018 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4361.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4361.2000	2	2	0.020 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4371.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4371.2000	2	2	0.019 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4381.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4381.2000	2	2	0.023 kg

82 Flush design

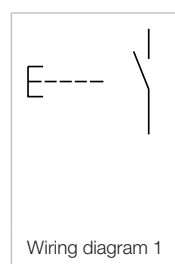
Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4551.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4551.2000	2	2	0.018 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4561.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4561.2000	2	2	0.020 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4571.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4571.2000	2	2	0.019 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4581.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4581.2000	2	2	0.023 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4152.1000	5	1	0.018 kg
		C	Screw	82-4152.2000	5	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4162.1000	5	1	0.020 kg
		C	Screw	82-4162.2000	5	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4172.1000	5	1	0.019 kg
		C	Screw	82-4172.2000	5	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4182.1000	5	1	0.023 kg
		C	Screw	82-4182.2000	5	2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 16 mm Stainless-steelchrome-coloured, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4252.1000	5	1	0.018 kg
		C	Screw	82-4252.2000	5	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4262.1000	5	1	0.020 kg
		C	Screw	82-4262.2000	5	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4272.1000	5	1	0.019 kg
		C	Screw	82-4272.2000	5	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4282.1000	5	1	0.023 kg
		C	Screw	82-4282.2000	5	2	0.023 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4352.1000	5	1	0.018 kg
		C	Screw	82-4352.2000	5	2	0.018 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4362.1000	5	1	0.020 kg
		C	Screw	82-4362.2000	5	2	0.020 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4372.1000	5	1	0.019 kg
		C	Screw	82-4372.2000	5	2	0.019 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4382.1000	5	1	0.023 kg
		C	Screw	82-4382.2000	5	2	0.023 kg

82 Flush design

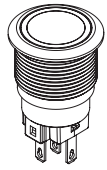
Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4552.1000	5	1	0.018 kg
		C	Screw	82-4552.2000	5	2	0.018 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4562.1000	5	1	0.020 kg
		C	Screw	82-4562.2000	5	2	0.020 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4572.1000	5	1	0.019 kg
		C	Screw	82-4572.2000	5	2	0.019 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4582.1000	5	1	0.023 kg
		C	Screw	82-4582.2000	5	2	0.023 kg

Switching action: B = Momentary, C = Maintained
The component layouts you will find from page 181



Pushbutton 16 mm, gold-plated silver contact, IP 65 & IP 67

Equipment consisting of (schematic overview)



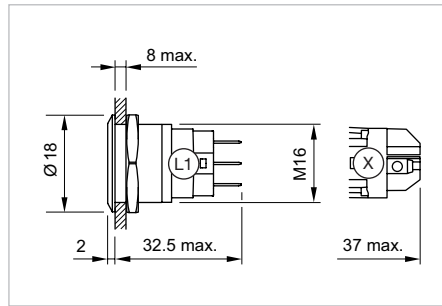
Actuator



Seal



Fixing nut

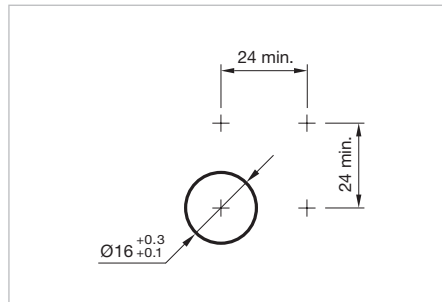


Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal



Product can differ from the current configuration.





Each Part Number listed below includes all the black components shown in the 3D-drawing.











Mounting cut-outs [mm]

Additional Information

- Contacts: 1 change over (NC/NO)
- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.




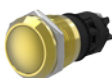
Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4153.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4153.2000	2	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4163.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4163.2000	2	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4173.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4173.2000	2	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4183.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4183.2000	2	2	0.023 kg





82 Flush design

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4253.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4253.2000	2	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4263.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4263.2000	2	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4273.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4273.2000	2	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4283.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4283.2000	2	2	0.023 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4353.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4353.2000	2	2	0.018 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4363.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4363.2000	2	2	0.020 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4373.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4373.2000	2	2	0.019 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4383.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4383.2000	2	2	0.023 kg

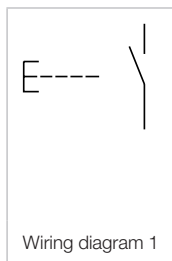
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4553.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-4553.2000	2	2	0.018 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4563.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-4563.2000	2	2	0.020 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-4573.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-4573.2000	2	2	0.019 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-4583.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-4583.2000	2	2	0.023 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4154.1000	5	1	0.018 kg
		C	Screw	82-4154.2000	5	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4164.1000	5	1	0.020 kg
		C	Screw	82-4164.2000	5	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4174.1000	5	1	0.019 kg
		C	Screw	82-4174.2000	5	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4184.1000	5	1	0.023 kg
		C	Screw	82-4184.2000	5	2	0.023 kg

82 Flush design

Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4254.1000	5	1	0.018 kg
		C	Screw	82-4254.2000	5	2	0.018 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4264.1000	5	1	0.020 kg
		C	Screw	82-4264.2000	5	2	0.020 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4274.1000	5	1	0.019 kg
		C	Screw	82-4274.2000	5	2	0.019 kg
							
Pushbutton 16 mm Stainless-steel chrome-coloured, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4284.1000	5	1	0.023 kg
		C	Screw	82-4284.2000	5	2	0.023 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4354.1000	5	1	0.018 kg
		C	Screw	82-4354.2000	5	2	0.018 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4364.1000	5	1	0.020 kg
		C	Screw	82-4364.2000	5	2	0.020 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4374.1000	5	1	0.019 kg
		C	Screw	82-4374.2000	5	2	0.019 kg
							
Pushbutton 16 mm Brass, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4384.1000	5	1	0.023 kg
		C	Screw	82-4384.2000	5	2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / level with front ring	B	Screw	82-4554.1000	5	1	0.018 kg
		C	Screw	82-4554.2000	5	2	0.018 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	flat / raised above front ring	B	Screw	82-4564.1000	5	1	0.020 kg
		C	Screw	82-4564.2000	5	2	0.020 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
flush	convex / level with front ring	B	Screw	82-4574.1000	5	1	0.019 kg
		C	Screw	82-4574.2000	5	2	0.019 kg
							
Pushbutton 16 mm Aluminium, Front dimension Ø 18 mm							
raised	convex / raised above front ring	B	Screw	82-4584.1000	5	1	0.023 kg
		C	Screw	82-4584.2000	5	2	0.023 kg

Switching action: B = Momentary, C = Maintained
The component layouts you will find from page 181

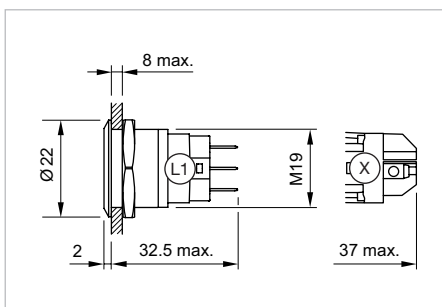


82 Flush design

Pushbutton 19 mm, Silver contact, IP 65 & IP 67

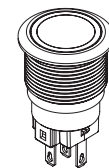


Product can differ from the current configuration.



Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal

Equipment consisting of (schematic overview)



Actuator



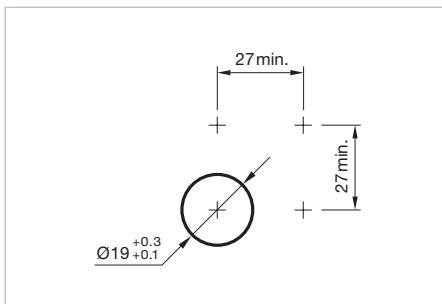
Seal



Fixing nut





Additional Information









- Contacts: 1 change over (NC/NO)
- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.



Mounting cut-outs [mm]

Each Part Number listed below includes all the black components shown in the 3D-drawing.

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5151.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5151.2000	2	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5161.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5161.2000	2	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5171.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5171.2000	2	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5181.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5181.2000	2	2	0.023 kg





Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5251.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5251.2000	2	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5261.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5261.2000	2	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5271.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5271.2000	2	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5281.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5281.2000	2	2	0.023 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5351.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5351.2000	2	2	0.018 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5361.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5361.2000	2	2	0.020 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5371.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5371.2000	2	2	0.019 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5381.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5381.2000	2	2	0.023 kg

82 Flush design

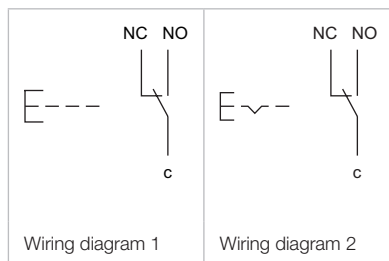
Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5551.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5551.2000	2	2	0.018 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5561.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5561.2000	2	2	0.020 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5571.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5571.2000	2	2	0.019 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5581.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5581.2000	2	2	0.023 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5152.1000	5	1	0.018 kg
		C	Screw	82-5152.2000	5	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5162.1000	5	1	0.020 kg
		C	Screw	82-5162.2000	5	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5172.1000	5	1	0.019 kg
		C	Screw	82-5172.2000	5	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5182.1000	5	1	0.023 kg
		C	Screw	82-5182.2000	5	2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5252.1000	5	1	0.018 kg
		C	Screw	82-5252.2000	5	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5262.1000	5	1	0.020 kg
		C	Screw	82-5262.2000	5	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5272.1000	5	1	0.019 kg
		C	Screw	82-5272.2000	5	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5282.1000	5	1	0.023 kg
		C	Screw	82-5282.2000	5	2	0.023 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5352.1000	5	1	0.018 kg
		C	Screw	82-5352.2000	5	2	0.018 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5362.1000	5	1	0.020 kg
		C	Screw	82-5362.2000	5	2	0.020 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5372.1000	5	1	0.019 kg
		C	Screw	82-5372.2000	5	2	0.019 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5382.1000	5	1	0.023 kg
		C	Screw	82-5382.2000	5	2	0.023 kg

82 Flush design

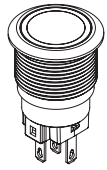
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5552.1000	5	1	0.018 kg
		C	Screw	82-5552.2000	5	2	0.018 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5562.1000	5	1	0.020 kg
		C	Screw	82-5562.2000	5	2	0.020 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5572.1000	5	1	0.019 kg
		C	Screw	82-5572.2000	5	2	0.019 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5582.1000	5	1	0.023 kg
		C	Screw	82-5582.2000	5	2	0.023 kg

Switching action: B = Momentary, C = Maintained
The component layouts you will find from page 181



Pushbutton 19 mm, gold-plated silver contact, IP 65 & IP 67

Equipment consisting of (schematic overview)



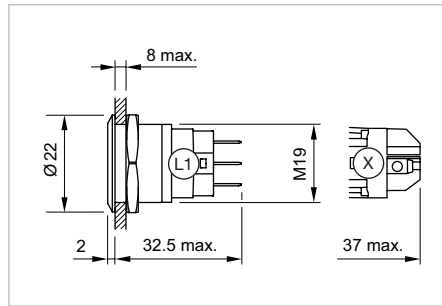
Actuator



Seal



Fixing nut

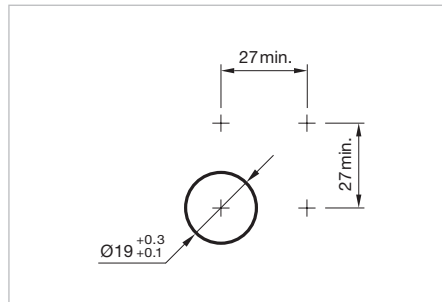


Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal



Product can differ from the current configuration.





Each Part Number listed below includes all the black components shown in the 3D-drawing.











Mounting cut-outs [mm]

Additional Information

- Contacts: 1 change over (NC/NO)
- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.







Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5153.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5153.2000	2	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5163.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5163.2000	2	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5173.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5173.2000	2	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5183.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5183.2000	2	2	0.023 kg





82 Flush design

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5253.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5253.2000	2	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5263.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5263.2000	2	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5273.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5273.2000	2	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5283.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5283.2000	2	2	0.023 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5353.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5353.2000	2	2	0.018 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5363.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5363.2000	2	2	0.020 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5373.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5373.2000	2	2	0.019 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5383.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5383.2000	2	2	0.023 kg

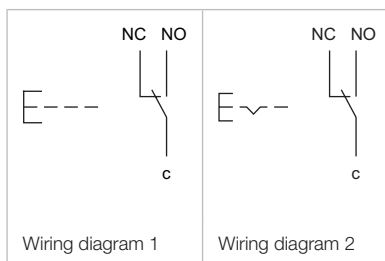
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-5553.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-5553.2000	2	2	0.018 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5563.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-5563.2000	2	2	0.020 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-5573.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-5573.2000	2	2	0.019 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-5583.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-5583.2000	2	2	0.023 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5154.1000	5	1	0.018 kg
		C	Screw	82-5154.2000	5	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5164.1000	5	1	0.020 kg
		C	Screw	82-5164.2000	5	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5174.1000	5	1	0.019 kg
		C	Screw	82-5174.2000	5	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5184.1000	5	1	0.023 kg
		C	Screw	82-5184.2000	5	2	0.023 kg

82 Flush design

Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5254.1000	5	1	0.018 kg
		C	Screw	82-5254.2000	5	2	0.018 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5264.1000	5	1	0.020 kg
		C	Screw	82-5264.2000	5	2	0.020 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5274.1000	5	1	0.019 kg
		C	Screw	82-5274.2000	5	2	0.019 kg
							
Pushbutton 19 mm Stainless-steel chrome-coloured, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5284.1000	5	1	0.023 kg
		C	Screw	82-5284.2000	5	2	0.023 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5354.1000	5	1	0.018 kg
		C	Screw	82-5354.2000	5	2	0.018 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5364.1000	5	1	0.020 kg
		C	Screw	82-5364.2000	5	2	0.020 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5374.1000	5	1	0.019 kg
		C	Screw	82-5374.2000	5	2	0.019 kg
							
Pushbutton 19 mm Brass, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5384.1000	5	1	0.023 kg
		C	Screw	82-5384.2000	5	2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / level with front ring	B	Screw	82-5554.1000	5	1	0.018 kg
		C	Screw	82-5554.2000	5	2	0.018 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	flat / raised above front ring	B	Screw	82-5564.1000	5	1	0.020 kg
		C	Screw	82-5564.2000	5	2	0.020 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
flush	convex / level with front ring	B	Screw	82-5574.1000	5	1	0.019 kg
		C	Screw	82-5574.2000	5	2	0.019 kg
							
Pushbutton 19 mm Aluminium, Front dimension Ø 22 mm							
raised	convex / raised above front ring	B	Screw	82-5584.1000	5	1	0.023 kg
		C	Screw	82-5584.2000	5	2	0.023 kg

Switching action: B = Momentary, C = Maintained
The component layouts you will find from page 181

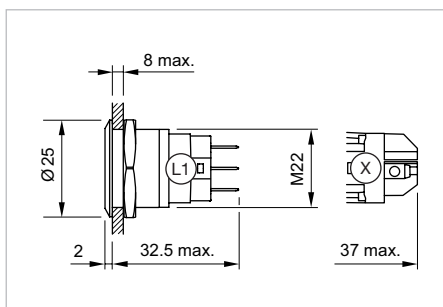


82 Flush design

Pushbutton 22 mm, Silver contact, IP 65 & IP 67

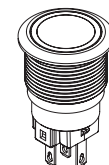


Product can differ from the current configuration.



Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal

Equipment consisting of (schematic overview)



Actuator



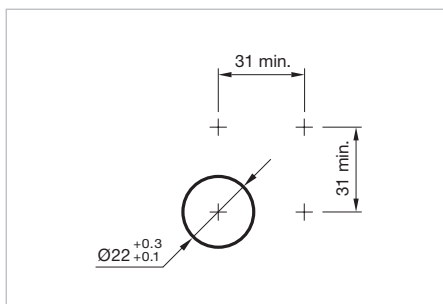
Seal



Fixing nut





Additional Information









- Contacts: 1 change over (NC/NO)
- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.




Mounting cut-outs [mm]

Each Part Number listed below includes all the black components shown in the 3D-drawing.

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6151.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6151.2000	2	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6161.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6161.2000	2	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6171.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6171.2000	2	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6181.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6181.2000	2	2	0.023 kg





Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6251.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6251.2000	2	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6261.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6261.2000	2	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6271.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6271.2000	2	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6281.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6281.2000	2	2	0.023 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6351.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6351.2000	2	2	0.018 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6361.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6361.2000	2	2	0.020 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6371.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6371.2000	2	2	0.019 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6381.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6381.2000	2	2	0.023 kg

82 Flush design

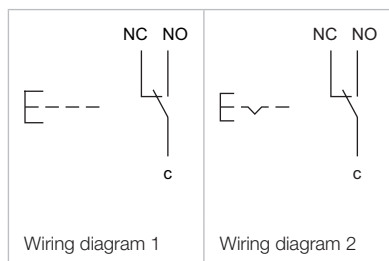
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6551.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6551.2000	2	2	0.018 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6561.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6561.2000	2	2	0.020 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6571.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6571.2000	2	2	0.019 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6581.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6581.2000	2	2	0.023 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6152.1000	5	1	0.018 kg
		C	Screw	82-6152.2000	5	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6162.1000	5	1	0.020 kg
		C	Screw	82-6162.2000	5	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6172.1000	5	1	0.019 kg
		C	Screw	82-6172.2000	5	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6182.1000	5	1	0.023 kg
		C	Screw	82-6182.2000	5	2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6252.1000	5	1	0.018 kg
		C	Screw	82-6252.2000	5	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6262.1000	5	1	0.020 kg
		C	Screw	82-6262.2000	5	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6272.1000	5	1	0.019 kg
		C	Screw	82-6272.2000	5	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6282.1000	5	1	0.023 kg
		C	Screw	82-6282.2000	5	2	0.023 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6352.1000	5	1	0.018 kg
		C	Screw	82-6352.2000	5	2	0.018 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6362.1000	5	1	0.020 kg
		C	Screw	82-6362.2000	5	2	0.020 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6372.1000	5	1	0.019 kg
		C	Screw	82-6372.2000	5	2	0.019 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6382.1000	5	1	0.023 kg
		C	Screw	82-6382.2000	5	2	0.023 kg

82 Flush design

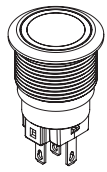
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6552.1000	5	1	0.018 kg
		C	Screw	82-6552.2000	5	2	0.018 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6562.1000	5	1	0.020 kg
		C	Screw	82-6562.2000	5	2	0.020 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6572.1000	5	1	0.019 kg
		C	Screw	82-6572.2000	5	2	0.019 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6582.1000	5	1	0.023 kg
		C	Screw	82-6582.2000	5	2	0.023 kg

Switching action: B = Momentary, C = Maintained
The component layouts you will find from page 181



Pushbutton 22 mm, gold-plated silver contact, IP 65 & IP 67

Equipment consisting of (schematic overview)



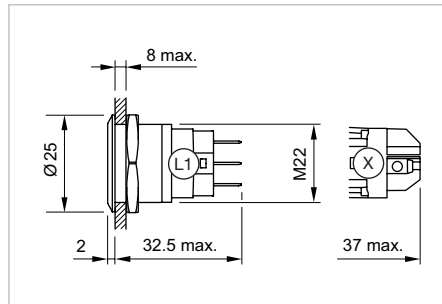
Actuator



Seal



Fixing nut

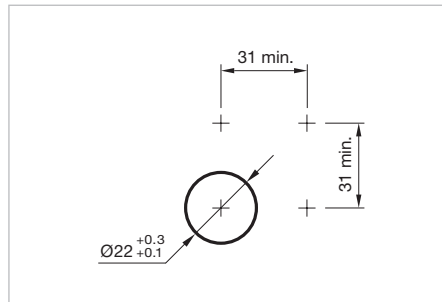


Dimensions [mm]
L1 = Solder/Plug-in terminal 2.8 x 0.5 mm,
X = Screw terminal



Product can differ from the current configuration.





Each Part Number listed below includes all the black components shown in the 3D-drawing.











Mounting cut-outs [mm]

Additional Information

- Contacts: 1 change over (NC/NO)
- The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.



Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6153.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6153.2000	2	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6163.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6163.2000	2	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6173.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6173.2000	2	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6183.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6183.2000	2	2	0.023 kg





82 Flush design

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6253.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6253.2000	2	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6263.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6263.2000	2	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6273.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6273.2000	2	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6283.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6283.2000	2	2	0.023 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6353.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6353.2000	2	2	0.018 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6363.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6363.2000	2	2	0.020 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6373.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6373.2000	2	2	0.019 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6383.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6383.2000	2	2	0.023 kg

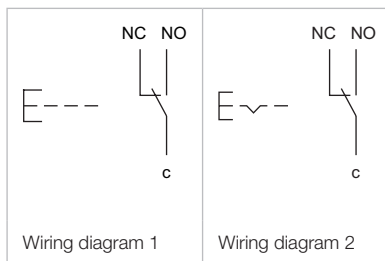
Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-6553.1000	2	1	0.018 kg
		C	Solder 2.8 x 0.5 mm	82-6553.2000	2	2	0.018 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6563.1000	2	1	0.020 kg
		C	Solder 2.8 x 0.5 mm	82-6563.2000	2	2	0.020 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Solder 2.8 x 0.5 mm	82-6573.1000	2	1	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-6573.2000	2	2	0.019 kg
							
Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Solder 2.8 x 0.5 mm	82-6583.1000	2	1	0.023 kg
		C	Solder 2.8 x 0.5 mm	82-6583.2000	2	2	0.023 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6154.1000	5	1	0.018 kg
		C	Screw	82-6154.2000	5	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6164.1000	5	1	0.020 kg
		C	Screw	82-6164.2000	5	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6174.1000	5	1	0.019 kg
		C	Screw	82-6174.2000	5	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6184.1000	5	1	0.023 kg
		C	Screw	82-6184.2000	5	2	0.023 kg

82 Flush design

Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6254.1000	5	1	0.018 kg
		C	Screw	82-6254.2000	5	2	0.018 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6264.1000	5	1	0.020 kg
		C	Screw	82-6264.2000	5	2	0.020 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6274.1000	5	1	0.019 kg
		C	Screw	82-6274.2000	5	2	0.019 kg
							
Pushbutton 22 mm Stainless-steel chrome-coloured, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6284.1000	5	1	0.023 kg
		C	Screw	82-6284.2000	5	2	0.023 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6354.1000	5	1	0.018 kg
		C	Screw	82-6354.2000	5	2	0.018 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6364.1000	5	1	0.020 kg
		C	Screw	82-6364.2000	5	2	0.020 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6374.1000	5	1	0.019 kg
		C	Screw	82-6374.2000	5	2	0.019 kg
							
Pushbutton 22 mm Brass, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6384.1000	5	1	0.023 kg
		C	Screw	82-6384.2000	5	2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Component layout	Wiring diagram	Weight
 Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / level with front ring	B	Screw	82-6554.1000	5	1	0.018 kg
		C	Screw	82-6554.2000	5	2	0.018 kg
 Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	flat / raised above front ring	B	Screw	82-6564.1000	5	1	0.020 kg
		C	Screw	82-6564.2000	5	2	0.020 kg
 Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
flush	convex / level with front ring	B	Screw	82-6574.1000	5	1	0.019 kg
		C	Screw	82-6574.2000	5	2	0.019 kg
 Pushbutton 22 mm Aluminium, Front dimension Ø 25 mm							
raised	convex / raised above front ring	B	Screw	82-6584.1000	5	1	0.023 kg
		C	Screw	82-6584.2000	5	2	0.023 kg

Switching action: B = Momentary, C = Maintained
The component layouts you will find from page 181



Front


Blind plug, IP67

Dimensions	Material	Part No..	Weight
 Blind plug			
Ø 16 mm	Stainless steel	82-907	0.003 kg
 Blind plug			
Ø 19 mm	Stainless steel	82-908	0.003 kg
 Blind plug			
Ø 22 mm	Stainless steel	82-909	0.003 kg

Front protective cap, IP65 and IP67

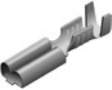
Additional Information

- Suitable for indicator, pushbutton and illuminated pushbutton with flush design and lens flat / level with front ring
- Up to 300 000 actuations possible

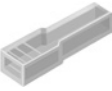
Product attribute	Material	Colour	Optik	Part No..	Weight
 Front protective cap					
for pushbutton Ø 19 mm	Silicon	colourless	transparent	82-911	0.001 kg
for pushbutton Ø 22 mm	Silicon	colourless	transparent	82-912	0.001 kg

Rear side

Flat receptacle


Product attribute	Part No.	Weight
 <p>Flat receptacle</p>		
2.8 x 0.5 mm plug-in terminal	31-946	0.001 kg

Insulation sleeve



Product attribute	Part No.	Weight
 <p>Insulation sleeve</p>		
for flat receptacle 2.8 mm	31-929	0.001 kg

Mounting

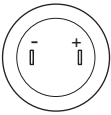
Fixing nut

Dimension	Material	Part No.	Weight
 Fixing nut			
Ø 16 mm	Metal	31-991	0.020 kg
Ø 19 mm	Metal	82-902	0.022 kg
Ø 22 mm	Metal	82-903	0.025 kg

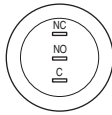
Mounting tool

Product attribute	Part No.	Weight
 Mounting tool		
for tightening or loosening the fixing nut Ø 16 mm	01-907	0.020 kg
for tightening or loosening the fixing nut Ø 19 mm	82-905	0.022 kg
 Mounting tool		
for tightening or loosening the fixing nut Ø 22 mm	84-997	0.027 kg

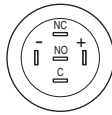
Drawings



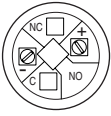
Component layout 1



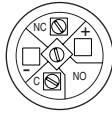
Component layout 2



Component layout 3



Component layout 4



Component layout 5



Component layout 6

Indicator, Pushbutton, Illuminated pushbutton

Switching system

Snap-action changeover contact normally closed / normally open.
Switching function momentary or maintain.

Material

Housing

Stainless-steel
Stainless-steel chrome-coloured
Brass gold-coloured
Aluminium natural anodized

Terminal housing

Polyamide 66 (PA66)

Contact material

Silver alloy

Mechanical characteristics

Mounting cut-out

Ø 16 mm +0.3/+0.1 mm
Ø 19 mm +0.3/+0.1 mm
Ø 22 mm +0.3/+0.1 mm

Terminals

Soldering/plug-in terminals 2.8 x 0.5 mm
Screw terminal

Tightening torque

5 Nm min. – 12 Nm max. for fixing nut

Actuating force

4 ... 7 N

Actuating travel

3 mm

Mechanical lifetime

Pushbutton momentary 1 Mio. cycles of operation
Pushbutton maintain 500 000 cycles of operation

Resistance to heat of soldering

Hand-soldering max. 260 °C, 3 sek.

Electrical characteristics

Rated Operational Voltage U_o

250 VAC

Rated Insulation Voltage U_i

250 V

Illumination

LED red, green, blue, yellow and white

LED and series resistor with polarity protection are built in.

LED-Voltage	Tolerance	Current	Consumption
6 VAC/DC	±10%	15 mA	0.1 W
12 VAC/DC	±10%	14 mA	0.17 W
24 VAC/DC	±10%	10 mA	0.24 W
110 VAC	±10%	2 mA	0.22 W
230 VAC	±10%	1.3 mA	0.29 W

Contact resistance

<50 mΩ

Electrical life

50 000 cycles of operation (full load)

Switch rating IEC 60947-5-1 (Silver contacts)

Switch rating AC cosφ 0.3 service categorie AC-15

Voltage	Current
24 VAC	1 A
110 VAC	1 A
220 VAC	0.5 A

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage	Current
24 VDC	0.7 A
110 VDC	0.2 A
220 VDC	0.1 A

Switch rating UL 508 (Silver contacts)

Switch rating AC cosφ 0.75 ... 0.8)

Voltage	Current
120 VAC	5 A
240 VAC	3 A

Switch rating DC

Voltage	Current
24 VDC	1 A

Recommended minimum operational data

according to DIN EN 60947-5-4

	Silver contacts	Silver contacts gold-plated
Voltage	17 VAC/DC	1 VAC/DC
Current	50 mA	5 mA

Conventional free air thermal current I_{th}

5 A

The maximum current in continuous operation and at ambient temperature must not exceed the quoted maximum values.

Electrical strength

1500 VAC, 50 Hz 1 min. between life terminals and ground

Isolation resistance

500 VDC at min. 10 MΩ according to IEC 60512-2

Environmental conditions

Storage temperature

-40 °C ... +80 °C

Operating temperature

-30 °C ... +70 °C

Front protection

IP 65 and IP 67, as per IEC 60529

Impact resistance

IK 10, as per IEC 62262

Shock resistance

max. 500 m/s² according to IEC 60068-2-27

Degree of pollution

2, as per EN IEC 60947-1

Vibration resistance

10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

Climate resistance

Damp heat, 21 days according to IEC 60512-11

Stainless steel and aluminium versions:

Saline mist, 96 hours according to IEC 60512-11

Brass versions:

Saline mist, 24 hours according to IEC 60512-11

Approvals

Approbations

CB

UL

C UL

CCC

Declaration of conformity

CE

EAO reserves the right to alter specifications without further notice.

Marking

1. Laser marking

Using laser technology, the Series 82 stainless steel version can be marked with almost any symbol or text in any language. Laser marking is very resistant, hardly fades and is exceptionally durable. These are the ideal characteristics of vandal-resistant indicators, pushbuttons and illuminated pushbuttons.

2. Versions

The laser 2D-technology can mark all stainless steel versions with flush lenses – flush-mounting as well as raised versions.

3. Symbols, colours

Basically, all symbols and texts can be marked in all languages. Therefore, we need electronic DXF-file only. All symbols or texts are marked in anthracite/dark grey.

4. Part number

Each symbol is given a continuous number. It will be combined with the configured part number to get the complete part number, see overview part number system.

5. Standard symbols

Several standard icons are available:

On/Off Part No. B001	Standby Part No. B002	Light Part No. B003	Info Part No. B004	Bell Part No. B005	Door open Part No. B006	Door close Part No. B007
Telephone Part No. B008	Hand control Part No. B009	Arrow right Part No. B010	Arrow left Part No. B011	Arrow up Part No. B012	Arrow down Part No. B013	Help Part No. B014
SOS Part No. B015	EIN Part No. B016	AUS Part No. B017	AUF Part No. B018	AB Part No. B019	ON Part No. B020	OFF Part No. B021
UP Part No. B022	DOWN Part No. B023	START Part No. B024	STOP Part No. B025	AUTO Part No. B026	ENTER Part No. B027	RESET Part No. B028
1 Part No. B029	2 Part No. B030	3 Part No. B031	4 Part No. B032	5 Part No. B033	6 Part No. B034	7 Part No. B035
8 Part No. B036	9 Part No. B037	0 Part No. B038	* Part No. B039	# Part No. B040	+ Part No. B041	On/Off Part No. B042