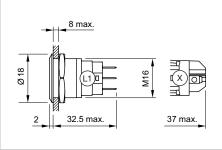
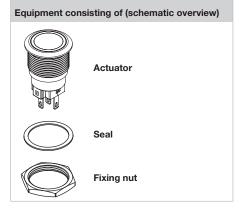
Pushbutton 16 mm, Silver contact, IP 65 & IP 67



Product can differ from the current configuration.



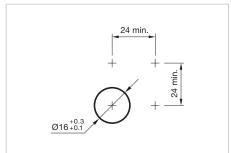
Dimensions [mm] L1 = Solder/Plug-in terminal 2.8 x 0.5 mm, X = Screw terminal



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

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]

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
Push	nbutton 16 mm Stainless-stee	I, Front dimension	Ø 18 mm			1	
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-4151.1000	2	1	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-4151.2000	2	2	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-4161.2000	2	2	0.020 kg
	nbutton 16 mm Stainless-stee						
flush	convex / level with front ring	В	Solder 2.8 x 0.5 mm	82-4171.1000	2	1	0.019 kg
		С	Solder 2.8 x 0.5 mm	82-4171.2000	2	2	0.019 kg
Push	nbutton 16 mm Stainless-stee	I, Front dimension	Ø 18 mm				
raised	convex / raised above front ring	В	Solder 2.8 x 0.5 mm	82-4181.1000	2	1	0.023 kg
		С	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
Push	button 16 mm Stainless-steel	chrome-colourd,	Front dimension Ø 18	3 mm			
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-4251.1000	2	1	0.018 k
		С	Solder 2.8 x 0.5 mm	82-4251.2000	2	2	0.018 k
Push	button 16 mm Stainless-steel	chrome-colourd,	Front dimension Ø 18	3 mm			
flush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-4261.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-4261.2000	2	2	0.020 k
Push flush	convex / level with front ring	Chrome-colourd, B C	Front dimension Ø 18 Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4271.1000 82-4271.2000	2	1 2	0.019
raised	convex / raised above front ring	В	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4281.1000 82-4281.2000	2	1 2	0.023
Push	abutton 16 mm Brass, Front di	В	Solder 2.8 x 0.5 mm	82-4351.1000	2	1	0.018
Push	abutton 16 mm Brass, Front di	C mension Ø 18 mm	Solder 2.8 x 0.5 mm	82-4351.2000	2	2	0.018 k
flush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-4361.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-4361.2000	2	2	0.020 k
4							
	abutton 16 mm Brass, Front di	mension Ø 18 mm	Solder 2.8 x 0.5 mm	82-4371.1000	2	1	0.019 k
				82-4371.1000 82-4371.2000	2 2	1 2	
flush	convex / level with front ring	В	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm		-		
flush	convex / level with front ring	B C mension Ø 18 mm	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4371.2000	2	2	0.019 k
flush	convex / level with front ring	В	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm		-		

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	putton 16 mm Aluminium, Fro			Part No.	O E	> 0	weight
ush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4551.1000	2	1	0.018 k
usii	nat / level with none fing	С	Solder 2.8 x 0.5 mm	82-4551.2000	2	2	0.018 k
Pushk	outton 16 mm Aluminium, Fro	nt dimension Ø 18	3 mm				
ush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-4561.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-4561.2000	2	2	0.020 k
ÓW.		С	Solder 2.8 x 0.5 mm	82-4571.2000	2	2	0.019 k
Pushk	outton 16 mm Aluminium, Fro	nt dimension Ø 18	3 mm				
ised	convex / raised above front ring	ВС	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4581.1000 82-4581.2000	2	1 2	
aised		В	Solder 2.8 x 0.5 mm				
		В	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm				
Pushb	convex / raised above front ring	В	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm				0.023 k
Pushb	convex / raised above front ring	B C , Front dimension	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4581.2000	2	2	0.023 k
Pushb Pushb	convex / raised above front ring	, Front dimension	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Screw Screw	82-4581.2000 82-4152.1000	5	2	0.023 k
Pushbush	convex / raised above front ring button 16 mm Stainless-steel flat / level with front ring button 16 mm Stainless-steel	B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Screw Screw Screw Screw Screw Screw	82-4581.2000 82-4152.1000 82-4152.2000 82-4162.1000	5 5	1 2	0.023 k
Pushb	convex / raised above front ring button 16 mm Stainless-steel flat / level with front ring button 16 mm Stainless-steel flat / raised above front ring	B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Screw Screw Screw Screw Screw Screw	82-4581.2000 82-4152.1000 82-4152.2000 82-4162.1000	5 5	1 2	0.023 kg 0.023 kg 0.023 kg 0.018 kg 0.018 kg 0.020 kg 0.020 kg
Pushbush Pushb	convex / raised above front ring button 16 mm Stainless-steel flat / level with front ring button 16 mm Stainless-steel flat / raised above front ring	B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Screw Screw Screw Screw Ø 18 mm Screw Screw	82-4152.1000 82-4152.2000 82-4162.2000 82-4162.2000	5 5 5	1 2 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Pushbush Pushbush Pushbush	convex / raised above front ring Dutton 16 mm Stainless-steel flat / level with front ring Dutton 16 mm Stainless-steel flat / raised above front ring Dutton 16 mm Stainless-steel convex / level with front ring	Front dimension B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Screw Screw Screw Ø 18 mm Screw Screw Screw Screw	82-4152.1000 82-4152.2000 82-4162.2000 82-4162.2000	5 5 5	1 1 2	0.023 k
Pushbush Pushbush	convex / raised above front ring button 16 mm Stainless-steel flat / level with front ring button 16 mm Stainless-steel flat / raised above front ring	Front dimension B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Screw Screw Screw Ø 18 mm Screw Screw Screw Screw	82-4152.1000 82-4152.2000 82-4162.2000 82-4162.2000	5 5 5	1 1 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k

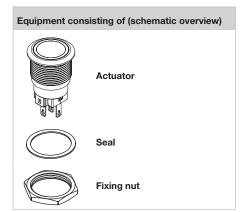
					4	1	
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia gram	Weight
	Pushbutton 16 mm Stainless-steel		Front dimension &	ð 18 mm			
flush	flat / level with front ring	В	Screw	82-4252.1000	5	1	0.018 k
		С	Screw	82-4252.2000	5	2	0.018 k
	Pushbutton 16 mm Stainless-steel					T	
flush	flat / raised above front ring	В	Screw	82-4262.1000	5	1	0.020 kg
		С	Screw	82-4262.2000	5	2	0.020 kg
	Pushbutton 16 mm Stainless-steel	chrome-colourd	Front dimension	Ø 18 mm			ı
		B	Screw	82-4282.1000	5	1	0.023 k
raised							
raised	convex / raised above front ring	С	Screw	82-4282.2000	5	2	
flush	Pushbutton 16 mm Brass, Front di	С	Screw		-		0.023 kg
flush	Pushbutton 16 mm Brass, Front di	mension Ø 18 mm	Screw Screw Screw	82-4282.2000 82-4352.1000	5	2	0.023 kg 0.018 kg 0.018 kg
flush	Pushbutton 16 mm Brass, Front di	mension Ø 18 mm	Screw Screw Screw	82-4282.2000 82-4352.1000	5	2	0.023 kç
flush	Pushbutton 16 mm Brass, Front di	mension Ø 18 mm	Screw Screw Screw	82-4282.2000 82-4352.1000 82-4352.2000	5 5 5	1 2	0.023 kg 0.018 kg 0.018 kg
flush	Pushbutton 16 mm Brass, Front di	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw	82-4282.2000 82-4352.1000 82-4352.2000 82-4362.1000	5 5	1 2	0.023 k 0.018 k 0.018 k 0.020 k
flush flush	Pushbutton 16 mm Brass, Front di flat / level with front ring Pushbutton 16 mm Brass, Front di flat / raised above front ring Pushbutton 16 mm Brass, Front di convex / level with front ring	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw Screw	82-4352.1000 82-4352.2000 82-4362.2000 82-4362.2000	5 5 5	1 2 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
flush	Pushbutton 16 mm Brass, Front di flat / level with front ring Pushbutton 16 mm Brass, Front di flat / raised above front ring Pushbutton 16 mm Brass, Front di	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw Screw	82-4352.1000 82-4352.2000 82-4362.2000 82-4362.2000	5 5 5	1 2 2	0.023 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
Pus	hbutton 16 mm Aluminium, Fro	ont dimension Ø 18	s mm				
flush	flat / level with front ring	В	Screw	82-4552.1000	5	1	0.018 kg
		С	Screw	82-4552.2000	5	2	0.018 kg
		С	Screw	82-4562.2000	5	2	0.020 kg
Pus	hbutton 16 mm Aluminium, Fro	ont dimension Ø 18	S mm	82-4572.1000	5	1	0.019 kg
ndorr	convex / lover with home hing	C	Screw	82-4572.2000	5	2	0.019 kg
	hbutton 16 mm Aluminium, Fro			00.4500.4000			0.000
raised	convex / raised above front ring	В	Screw	82-4582.1000	5	1	0.023 kg
			Screw	82-4582.2000	5	2	0.023 kg

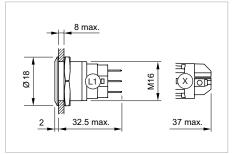
Switching action: B = Momentary, C = MaintainedThe component layouts you will find from page 181



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



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



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



Product can differ from the current configuration.

Ø16+0.1 + + 1 E 7 24 min. + 2 + 2 10 min. + 3 10

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
Pusi	hbutton 16 mm Stainless-stee	I, Front dimension	Ø 18 mm				
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-4153.1000	2	1	0.018 k
		С	Solder 2.8 x 0.5 mm	82-4153.2000	2	2	0.018 k
	hbutton 16 mm Stainless-stee	-		92 4162 1000	0	1	0.000 1
	hbutton 16 mm Stainless-stee	B C	Ø 18 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4163.1000 82-4163.2000	2	1 2	
flush		B C I, Front dimension	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Solder 2.8 x 0.5 mm	82-4163.2000 82-4173.1000	2	2	0.020 k
flush	flat / raised above front ring hbutton 16 mm Stainless-stee	B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4163.2000	2	2	0.020 k
Pusi flush	flat / raised above front ring hbutton 16 mm Stainless-stee	B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 18 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4163.2000 82-4173.1000	2	2	0.020 k

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	nbutton 16 mm Stainless-stee			'	0 1	7 07	Weight
ush	flat / level with front ring	B	Solder 2.8 x 0.5 mm	82-4253.1000	2	1	0.018 k
usii	nat / level with northing	С	Solder 2.8 x 0.5 mm	82-4253.2000	2	2	0.018 k
Pusl	nbutton 16 mm Stainless-stee	l chrome-colourd,	Front dimension Ø 18	3 mm			
ush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-4263.1000	2	1	0.020 kg
		С	Solder 2.8 x 0.5 mm	82-4263.2000	2	2	0.020 k
ısh	convex / level with front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4273.1000 82-4273.2000	2	2	0.019 k
	nbutton 16 mm Stainless-stee	В	Solder 2.8 x 0.5 mm	82-4283.1000	2	1	
aised	convex / raised above front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm		2 2	1 2	
Pusl	convex / raised above front ring	B C imension Ø 18 mm	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000	2	2	0.023 k
aised	convex / raised above front ring	B C imension Ø 18 mm	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000 82-4353.1000	2	2	0.023 k
Pusl	convex / raised above front ring nbutton 16 mm Brass, Front d flat / level with front ring	B C imension Ø 18 mm B C	Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000	2	2	0.023 kg 0.023 kg 0.018 kg
Pusi Pusi	convex / raised above front ring hbutton 16 mm Brass, Front d flat / level with front ring hbutton 16 mm Brass, Front d	B C imension Ø 18 mm B C	Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000 82-4353.1000	2	2	0.023 kg
Pusi	convex / raised above front ring nbutton 16 mm Brass, Front d flat / level with front ring	B C imension Ø 18 mm B C	Solder 2.8 x 0.5 mm	82-4283.2000 82-4283.2000 82-4353.1000 82-4353.2000	2 2 2	1 2	0.023 k
Pusl ush Pusl	convex / raised above front ring hbutton 16 mm Brass, Front d flat / level with front ring hbutton 16 mm Brass, Front d	imension Ø 18 mm B C imension Ø 18 mm B C	Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000 82-4353.1000 82-4353.2000 82-4363.2000 82-4363.2000	2 2 2	1 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Pusl ush Pusl	convex / raised above front ring hbutton 16 mm Brass, Front d flat / level with front ring hbutton 16 mm Brass, Front d flat / raised above front ring	B C imension Ø 18 mm B C imension Ø 18 mm	Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000 82-4353.1000 82-4353.2000 82-4363.1000 82-4363.2000	2 2 2	1 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Pusiush Pusiush Pusi	convex / raised above front ring hbutton 16 mm Brass, Front d flat / level with front ring hbutton 16 mm Brass, Front d flat / raised above front ring hbutton 16 mm Brass, Front d convex / level with front ring	imension Ø 18 mm B C imension Ø 18 mm B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000 82-4353.1000 82-4353.2000 82-4363.2000 82-4363.2000	2 2 2	1 2	0.023 k 0.018 k 0.020 k 0.020 k
Pusiush Pusiush Pusi	convex / raised above front ring hbutton 16 mm Brass, Front d flat / level with front ring hbutton 16 mm Brass, Front d flat / raised above front ring	imension Ø 18 mm B C imension Ø 18 mm B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4283.1000 82-4283.2000 82-4353.1000 82-4353.2000 82-4363.2000 82-4363.2000	2 2 2	1 2	0.023 k

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	Pushbutton 16 mm Aluminium, Fro	ont dimension Ø 18	3 mm				
	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-4553.1000	2	1	0.0181
	_	С	Solder 2.8 x 0.5 mm	82-4553.2000	2	2	0.018
	Pushbutton 16 mm Aluminium, Fr	ont dimension Ø 1	3 mm				
	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-4563.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-4563.2000	2	2	0.020 k
ilush	Pushbutton 16 mm Aluminium, Fro	ont dimension Ø 18	3 mm Solder 2.8 x 0.5 mm	82-4573.1000	2	1	0.0191
		С	Solder 2.8 x 0.5 mm	82-4573.2000	2	2	0.019 k
aised	convex / raised above front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-4583.1000 82-4583.2000	2	2	0.023
	Pushbutton 16 mm Stainless-stee	I, Front dimension	Ø 18 mm				
	Pushbutton 16 mm Stainless-stee	I, Front dimension	Ø 18 mm	82-4154.1000	5	1	0.018 k
				82-4154.1000 82-4154.2000	5	1 2	
flush		B C I, Front dimension B	Screw Screw Ø 18 mm Screw	82-4154.2000 82-4164.1000	5	2	0.018 k
flush	flat / level with front ring Pushbutton 16 mm Stainless-stee	B C	Screw Screw	82-4154.2000	5	2	0.018 k
flush	Pushbutton 16 mm Stainless-stee	B C I, Front dimension B C	Screw Screw Ø 18 mm Screw Screw	82-4154.2000 82-4164.1000 82-4164.2000	5 5 5	1 2	0.018 k
flush	flat / level with front ring Pushbutton 16 mm Stainless-stee flat / raised above front ring	I, Front dimension B C	Screw Screw Ø 18 mm Screw Screw Screw	82-4154.2000 82-4164.1000 82-4164.2000 82-4174.1000	5 5 5	1 2	0.018 k 0.020 k 0.020 k
flush	Pushbutton 16 mm Stainless-stee	B C I, Front dimension B C	Screw Screw Ø 18 mm Screw Screw	82-4154.2000 82-4164.1000 82-4164.2000	5 5 5	1 2	0.018 k
flush	Pushbutton 16 mm Stainless-stee	B C I, Front dimension B C I, Front dimension B C	Screw Screw Ø 18 mm Screw Screw Screw Screw Screw Screw	82-4154.2000 82-4164.1000 82-4164.2000 82-4174.1000	5 5 5	1 2	0.018 k
flush	Pushbutton 16 mm Stainless-stee flat / raised above front ring Pushbutton 16 mm Stainless-stee convex / level with front ring	B C I, Front dimension B C I, Front dimension B C	Screw Screw Ø 18 mm Screw Screw Screw Screw Screw Screw	82-4154.2000 82-4164.1000 82-4164.2000 82-4174.1000	5 5 5	1 2	0.018 k 0.018 k 0.020 k 0.020 k 0.019 k 0.019 k

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	nbutton 16 mm Stainless-steel	-					110.9
ush	flat / level with front ring	В	Screw	82-4254.1000	5	1	0.018 k
		С	Screw	82-4254.2000	5	2	0.018 k
Push	nbutton 16 mm Stainless-steel	chrome-colourd.	Front dimension Ø	18 mm			
ush	flat / raised above front ring	В	Screw	82-4264.1000	5	1	0.020 k
		С	Screw	82-4264.2000	5	2	0.020 k
sh	convex / level with front ring	С	Screw	82-4274.1000 82-4274.2000	5	2	0.019 k
110							
	hbutton 16 mm Stainless-steel convex / raised above front ring	chrome-colourd, B C	Front dimension Ø	18 mm 82-4284.1000 82-4284.2000	5	1 2	
Push	convex / raised above front ring	B C mension Ø 18 mm	Screw Screw	82-4284.1000 82-4284.2000	5	2	0.023 k
Push	convex / raised above front ring	mension Ø 18 mm	Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000	5	2	0.023 k
Push ush	convex / raised above front ring hbutton 16 mm Brass, Front did flat / level with front ring	mension Ø 18 mm	Screw Screw Screw Screw	82-4284.1000 82-4284.2000	5	2	0.023 kg
Push Push	convex / raised above front ring hbutton 16 mm Brass, Front did flat / level with front ring hbutton 16 mm Brass, Front did	mension Ø 18 mm	Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000 82-4354.2000	5 5 5	1 2	0.023 kg
Push Push	convex / raised above front ring hbutton 16 mm Brass, Front did flat / level with front ring	mension Ø 18 mm	Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000	5	2	0.023 k
Push Push Push	convex / raised above front ring hbutton 16 mm Brass, Front did flat / level with front ring hbutton 16 mm Brass, Front did	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000 82-4354.2000	5 5	1 2	0.023 kg 0.018 kg 0.018 kg 0.020 kg
Push Push Push	hbutton 16 mm Brass, Front did flat / level with front ring hbutton 16 mm Brass, Front did flat / raised above front ring	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000 82-4354.2000 82-4364.1000 82-4364.2000	5 5 5	1 2	0.023 kg 0.018 kg 0.018 kg 0.020 kg 0.020 kg
Push ush Push ush	hbutton 16 mm Brass, Front did flat / level with front ring hbutton 16 mm Brass, Front did flat / raised above front ring hbutton 16 mm Brass, Front did convex / level with front ring	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000 82-4354.2000 82-4364.2000 82-4364.2000	5 5 5	1 2	0.023 k 0.018 k 0.018 k 0.020 k
Push ush Push	hbutton 16 mm Brass, Front did flat / level with front ring hbutton 16 mm Brass, Front did flat / raised above front ring hbutton 16 mm Brass, Front did convex / level with front ring	mension Ø 18 mm B C mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000 82-4354.2000 82-4364.2000 82-4364.2000 82-4374.2000	5 5 5	1 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Push Push Push Push	hbutton 16 mm Brass, Front did flat / level with front ring hbutton 16 mm Brass, Front did flat / raised above front ring hbutton 16 mm Brass, Front did convex / level with front ring	mension Ø 18 mm B C mension Ø 18 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-4284.1000 82-4284.2000 82-4354.1000 82-4354.2000 82-4364.2000 82-4364.2000	5 5 5	1 2	0.023 kg 0.023 kg 0.018 kg 0.018 kg 0.019 kg 0.019 kg 0.019 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
Push	nbutton 16 mm Aluminium, Fro	ont dimension Ø 18	3 mm				
flush	flat / level with front ring	В	Screw	82-4554.1000	5	1	0.018 kg
		С	Screw	82-4554.2000	5	2	0.018 kg
		I R	SCrOW	82-4564 1000	5	1	0.020 kg
flush	flat / raised above front ring	С	Screw	82-4564.1000 82-4564.2000	5	2	0.020 kg 0.020 kg
Push	nbutton 16 mm Aluminium, Fro	ont dimension Ø 18	Screw 3 mm	82-4564.2000	5	2	0.020 kg
Push flush		ont dimension Ø 18	Screw Screw	82-4564.2000 82-4574.1000	5	2	0.020 kg
Push	nbutton 16 mm Aluminium, Fro	ont dimension Ø 18	Screw 3 mm	82-4564.2000	5	2	0.020 kg
Push flush	nbutton 16 mm Aluminium, Fro	ont dimension Ø 18	Screw Screw Screw Screw	82-4564.2000 82-4574.1000	5	2	0.020 kg
Push flush	nbutton 16 mm Aluminium, Fro	ont dimension Ø 18	Screw Screw Screw Screw	82-4564.2000 82-4574.1000	5	2	0.020 kg

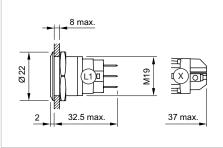
Switching action: B = Momentary, C = MaintainedThe component layouts you will find from page 181



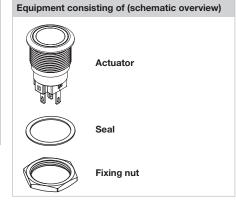
Pushbutton 19 mm, Silver contact, IP 65 & IP 67



Product can differ from the current configuration.



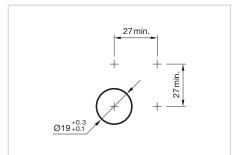
Dimensions [mm] L1 = Solder/Plug-in terminal 2.8 x 0.5 mm, X = Screw terminal



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

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]

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	nbutton 19 mm Stainless-steel			June			, morgini
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-5151.1000	2	1	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-5151.2000	2	2	0.018 kg
flush	flat / raised above front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5161.1000 82-5161.2000	2	2	0.020 kg 0.020 kg
Pusi	nbutton 19 mm Stainless-steel	, Front dimension	Ø 22 mm Solder 2.8 x 0.5 mm	,			
	convex / level with front ring	D	Solder 2.8 x 0.5 mm	82-5171.1000	2	1	0.019 kg
	convex / level with front ring	С	Solder 2.8 x 0.5 mm	82-5171.1000 82-5171.2000	2	2	0.019 kg
Pusl	nbutton 19 mm Stainless-steel	С	Solder 2.8 x 0.5 mm Ø 22 mm	82-5171.2000			0.019 kg
Push		С	Solder 2.8 x 0.5 mm				

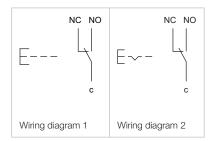
					Ħ	Ė	
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
Push	ıbutton 19 mm Stainless-steel	chrome-colourd,	Front dimension Ø 22	2 mm		1	
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-5251.1000	2	1	0.018
		С	Solder 2.8 x 0.5 mm	82-5251.2000	2	2	0.018
Push	button 19 mm Stainless-steel	chrome-colourd,	Front dimension Ø 22	2 mm			
flush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-5261.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-5261.2000	2	2	0.020 k
Push	ubutton 19 mm Stainless-steel	C chrome-colourd.	Solder 2.8 x 0.5 mm	82-5271.2000	2	2	0.019 k
raised	convex / raised above front ring	В	Solder 2.8 x 0.5 mm	82-5281.1000	2	1	0.023 k
	_						
		С	Solder 2.8 x 0.5 mm	82-5281.2000	2	2	0.023 k
	abutton 19 mm Brass, Front did			82-5281.2000 82-5351.1000 82-5351.2000	2 2 2	1 2	0.018 k
flush		mension Ø 22 mm	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5351.1000	2	1	0.018 k
Push flush	flat / level with front ring	mension Ø 22 mm	Solder 2.8 x 0.5 mm	82-5351.1000 82-5351.2000 82-5361.1000	2 2	1 2	0.018 k 0.018 k 0.020 k 0.020 k
Push flush	flat / level with front ring abutton 19 mm Brass, Front did flat / raised above front ring	mension Ø 22 mm B C mension Ø 22 mm B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5351.1000 82-5351.2000 82-5361.1000 82-5361.2000	2 2 2	1 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k 0.019 k 0.019 k

ront ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	nbutton 19 mm Aluminium, Fro			Part NO.		> 0)	weight
ush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-5551.1000	2	1	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-5551.2000	2	2	0.018 kg
	nbutton 19 mm Aluminium, Fro						
ush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-5561.1000	2	1	0.020 kg
		С	Solder 2.8 x 0.5 mm	82-5561.2000	2	2	0.020 kç
		С	Solder 2.8 x 0.5 mm	82-5571.2000	2	2	0.019 k
Push	nbutton 19 mm Aluminium, Fro		2 mm				
			0 11 00 05	00 5504 4000	_		0.0001
ised	convex / raised above front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5581.1000 82-5581.2000	2	2	
	convex / raised above front ring	С	Solder 2.8 x 0.5 mm		_		
Push		С	Solder 2.8 x 0.5 mm		_		0.023 kg
Push	nbutton 19 mm Stainless-steel	C , Front dimension	Solder 2.8 x 0.5 mm Ø 22 mm	82-5581.2000	2	2	0.023 kç
Push Push	nbutton 19 mm Stainless-steel	Front dimension B C Front dimension B	Solder 2.8 x 0.5 mm Ø 22 mm Screw Screw Ø 22 mm Screw	82-5581.2000 82-5152.1000 82-5152.2000 82-5162.1000	5 5	1 2	0.023 kg 0.018 kg 0.018 kg
Push Push Push	nbutton 19 mm Stainless-steel	Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Ø 22 mm Screw Screw Screw Screw Screw Screw	82-5581.2000 82-5152.1000 82-5152.2000	5 5	1 2	0.023 kg 0.018 kg 0.018 kg 0.020 kg
Push Push Push	hbutton 19 mm Stainless-steel flat / level with front ring hbutton 19 mm Stainless-steel flat / raised above front ring	Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Ø 22 mm Screw Screw Screw Screw Ø 22 mm Screw Screw	82-5581.2000 82-5152.1000 82-5152.2000 82-5162.1000 82-5162.2000	5 5 5	2 1 2 2	0.023 kç 0.018 kç 0.018 kç 0.020 kç 0.020 kç
Push Push Push	flat / level with front ring Stainless-steel	Front dimension B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Ø 22 mm Screw Screw Screw Ø 22 mm Screw Screw Screw Screw	82-5152.1000 82-5152.2000 82-5162.2000 82-5162.2000	5 5 5	1 1 2	0.023 kç 0.018 kç 0.018 kç 0.020 kç 0.020 kç
Push Push Push Push Push	flat / level with front ring hbutton 19 mm Stainless-steel flat / raised above front ring hbutton 19 mm Stainless-steel convex / level with front ring	Front dimension B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Ø 22 mm Screw Screw Screw Ø 22 mm Screw Screw Ø 22 mm Screw Ø 22 mm	82-5152.1000 82-5152.2000 82-5152.2000 82-5162.2000 82-5162.2000 82-5172.2000	5 5 5	1 2 2	0.023 kg 0.018 kg 0.018 kg 0.020 kg 0.020 kg 0.019 kg
Push Push	flat / level with front ring Stainless-steel	Front dimension B C Front dimension B C Front dimension B C	Solder 2.8 x 0.5 mm Ø 22 mm Screw Screw Screw Ø 22 mm Screw Screw Screw Screw	82-5152.1000 82-5152.2000 82-5162.2000 82-5162.2000	5 5 5	1 1 2	0.023 kg 0.023 kg 0.018 kg 0.018 kg 0.019 kg 0.019 kg 0.023 kg

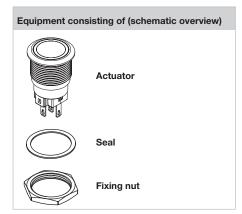
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	Pushbutton 19 mm Stainless-steel	chrome-colourd,	Front dimension Ø	22 mm			
flush	flat / level with front ring	В	Screw	82-5252.1000	5	1	0.018 kg
		С	Screw	82-5252.2000	5	2	0.018 kç
F	Pushbutton 19 mm Stainless-steel	chrome-colourd,	Front dimension Ø	22 mm			
flush	flat / raised above front ring	В	Screw	82-5262.1000	5	1	0.020 k
		С	Screw	82-5262.2000	5	2	0.020 kç
		С	Screw	82-5272.2000	5	2	0.019 kç
	Pushbutton 19 mm Stainless-steel				-		0.0001
raised	convex / raised above front ring	С	Screw	82-5282.1000 82-5282.2000	5	2	0.023 kg
flush	Pushbutton 19 mm Brass, Front di	В	Screw	82-5352.1000	5	1	0.018 kg
	Pushbutton 19 mm Brass, Front di			82-5352.2000	5	2	0.018 kg
flush	flat / raised above front ring	В	Screw	82-5362.1000	5	1	0.020 kg
		C	Screw	82-5362.2000	5	2	0.020 kg
	Pushbutton 19 mm Brass Front di	mension Ø 22 mm					
	Pushbutton 19 mm Brass, Front di			82-5372 1000	5	1	0 019 kg
	Pushbutton 19 mm Brass, Front di	В	Screw	82-5372.1000 82-5372.2000	5	1 2	
flush	convex / level with front ring	В	Screw Screw	82-5372.1000 82-5372.2000	5 5	1 2	,
flush	convex / level with front ring Pushbutton 19 mm Brass, Front di	B C mension Ø 22 mm	Screw Screw	82-5372.2000	5	2	0.019 kg
flush	convex / level with front ring	В	Screw Screw		-		

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

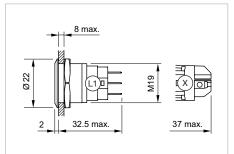
Switching action: B = Momentary, C = MaintainedThe component layouts you will find from page 181



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



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



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



Product can differ from the current configuration.

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
Pusi	nbutton 19 mm Stainless-stee	·	Ø 22 mm	'			
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-5153.1000	2	1	0.018 kç
		С	Solder 2.8 x 0.5 mm	82-5153.2000	2	2	0.018 kg
	nbutton 19 mm Stainless-stee	-					
	hbutton 19 mm Stainless-stee	B C	Ø 22 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5163.1000 82-5163.2000	2 2	1 2	,
flush		B C I, Front dimension	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 22 mm Solder 2.8 x 0.5 mm	82-5163.2000 82-5173.1000	2	2	0.020 kg 0.020 kg
flush	flat / raised above front ring	B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5163.2000	2	2	0.020 kg
Push flush	flat / raised above front ring	B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Ø 22 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-5163.2000 82-5173.1000	2	2	0.020 kg

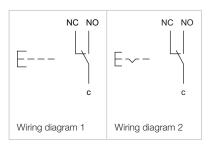
					Compo- nent layout	Wiring dia- gram	Weight
ront ring shape	Lens	Switching action	Terminal	Part No.	0 =	≥ o	Weight
Push	button 19 mm Stainless-steel	chrome-colourd.	Front dimension Ø 2	2 mm			
ilush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-5253.1000	2	1	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-5253.2000	2	2	0.018 kg
Push	button 19 mm Stainless-steel	chrome-colourd,	Front dimension Ø 2	2 mm			
lush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-5263.1000	2	1	0.020 kg
		С	Solder 2.8 x 0.5 mm	82-5263.2000	2	2	0.020 kg
Push ush	button 19 mm Stainless-steel convex / level with front ring	B C	Front dimension Ø 22 Solder 2.8 x 0.5 mm	2 mm 82-5273.1000 82-5273.2000	2	1 2	0.019 kg
		C	Solder 2.8 x 0.5 mm	82-52/3.2000	2	2	0.019 Kg
Push	button 19 mm Brass, Front di	mension Ø 22 mm					
lush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-5353.1000	2	1	0.018 kg
acorr	nac / lovor with noticining	C	Solder 2.8 x 0.5 mm	82-5353.2000	2	2	0.018 kg
Push	button 19 mm Brass, Front di	mension Ø 22 mm	Solder 2.8 x 0.5 mm	82-5363.1000	2	1	0.020 kg
40.1	nat, raissa assis nenting	C	Solder 2.8 x 0.5 mm	82-5363.2000	2	2	0.020 kg
Push	button 19 mm Brass, Front di			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
lush	convex / level with front ring	В	Solder 2.8 x 0.5 mm	82-5373.1000	2	1	0.019 kg
		С	Solder 2.8 x 0.5 mm	82-5373.2000	2	2	0.019 kg
Push	button 19 mm Brass, Front di	mension 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
aiocu	Solivex / Taised above Horit IIIIg	С	Solder 2.8 x 0.5 mm	82-5383.1000	2	2	0.023 kg
			00:00: 2.0 x 0.0 Hilli	SE 0000.2000	-	-	0.020 Rg

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

					Compo- nent layout	Wiring dia- gram	Weight
ont ring shape	Lens	Switching action	Terminal	Part No.	OÈ	≥ 5	Weight
Puebl	button 19 mm Stainless-steel	obromo colourd	Front dimension (1)	22 mm			
ush	flat / level with front ring	В	Screw	82-5254.1000	5	1	0.018 k
	3	С	Screw	82-5254.2000	5	2	0.018 k
Pushl	button 19 mm Stainless-steel	chrome-colourd,	Front dimension Ø 2	22 mm			
ush	flat / raised above front ring	В	Screw	82-5264.1000	5	1	0.020 kg
		С	Screw	82-5264.2000	5	2	0.020 k
sh	convex / level with front ring	В	Screw Screw	82-5274.1000 82-5274.2000	5	1 2	0.019 k
	convex / raised above front ring	B C	Front dimension Ø 2 Screw Screw	82-5284.1000 82-5284.2000	5	1 2	
aised	convex / raised above front ring	В	Screw Screw	82-5284.1000			
Pushk	convex / raised above front ring	B C mension Ø 22 mm	Screw Screw	82-5284.1000 82-5284.2000	5	2	0.023 k
Pushk	convex / raised above front ring	В	Screw Screw	82-5284.1000			0.023 kg
Pushk	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di	mension Ø 22 mm	Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000	5 5 5	1 2	0.023 kg 0.023 kg 0.018 kg 0.018 kg
Pushk Pushk	button 19 mm Brass, Front di	mension Ø 22 mm B C mension Ø 22 mm	Screw Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000	5 5 5	1 2	0.023 k 0.018 k 0.018 k
Pushk	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di	mension Ø 22 mm	Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000	5 5 5	1 2	0.023 k 0.018 k 0.018 k
Pushk ush	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di	mension Ø 22 mm B C mension Ø 22 mm B C	Screw Screw Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000	5 5 5	1 2	0.023 k 0.018 k 0.018 k
Pusht ush	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di flat / raised above front ring	mension Ø 22 mm B C mension Ø 22 mm B C	Screw Screw Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000	5 5 5	1 2	0.023 kg
Pusht Pusht Pusht	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di flat / raised above front ring	mension Ø 22 mm B C mension Ø 22 mm B C	Screw Screw Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000 82-5364.2000	5 5 5	1 1 2	0.023 k 0.018 k 0.020 k 0.020 k
Pusht ush Pusht ush Pusht	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di flat / raised above front ring button 19 mm Brass, Front di convex / level with front ring	mension Ø 22 mm B C mension Ø 22 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000 82-5364.2000 82-5364.2000	5 5 5	1 1 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Pusht ush Pusht ush Pusht	button 19 mm Brass, Front di flat / level with front ring button 19 mm Brass, Front di flat / raised above front ring	mension Ø 22 mm B C mension Ø 22 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-5284.1000 82-5284.2000 82-5354.1000 82-5354.2000 82-5364.2000 82-5364.2000	5 5 5	1 1 2	0.023 k 0.018 k 0.018 k 0.020 k

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
Push	ıbutton 19 mm Aluminium, Fro	ont dimension Ø 22	2 mm				
flush	flat / level with front ring	В	Screw	82-5554.1000	5	1	0.018 kg
		С	Screw	82-5554.2000	5	2	0.018 kg
flush	flat / raised above front ring	С	Screw	82-5564.1000 82-5564.2000	5	2	0.020 kg 0.020 kg
Push	abutton 19 mm Aluminium, Fro	ont dimension Ø 22	2 mm	82-5574.1000	5	1	0.019 kg
nasii	CONVEX / IEVER WITH HORE THING	С	Screw	82-5574,2000	5	2	0.019 kg
Push	abutton 19 mm Aluminium, Fro						2.2.70 19
raised	convex / raised above front ring	В	Screw	82-5584.1000	5	1	0.023 kg
		С					

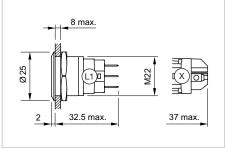
Switching action: B = Momentary, C = Maintained The component layouts you will find from page 181



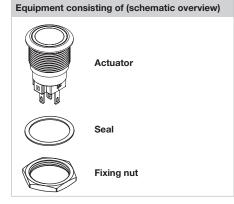
Pushbutton 22 mm, Silver contact, IP 65 & IP 67



Product can differ from the current configuration.



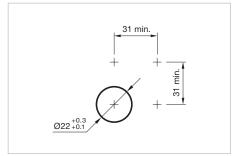
Dimensions [mm] L1 = Solder/Plug-in terminal 2.8 x 0.5 mm, X = Screw terminal



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

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]

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	ton 22 mm Stainless-steel		Ø 25 mm				
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6151.1000	2	1	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-6151.2000	2	2	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-6161.2000	2	2	0.020 kg
Pushbut	ton 22 mm Stainless-steel	l, Front dimension	Ø 25 mm Solder 2.8 x 0.5 mm	82-6171.1000	2	1	
							0.019 kg
		С	Solder 2.8 x 0.5 mm	82-6171.2000	2	2	0.019 kg
Pushbut	ton 22 mm Stainless-steel			82-6171.2000 82-6181.1000	2	2	

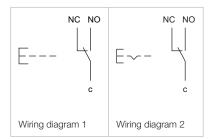
Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
Pus	shbutton 22 mm Stainless-steel	chrome-colourd,	Front dimension Ø 29	5 mm			
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6251.1000	2	1	0.018 k
		С	Solder 2.8 x 0.5 mm	82-6251.2000	2	2	0.018 k
Pus	shbutton 22 mm Stainless-steel	chrome-colourd,	Front dimension Ø 29	5 mm			
flush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6261.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-6261.2000	2	2	0.020 k
ilush	convex / level with front ring	B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6271.1000 82-6271.2000	2	2	0.019 k
	shbutton 22 mm Stainless-steel				1_		T = === .
raised	convex / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6281.1000	2	1	0.023 k
		С	Solder 2.8 x 0.5 mm	82-6281.2000	2	2	0.023 k
	shbutton 22 mm Brass, Front di			82-6281.2000 82-6351.1000	2	2	0.023 k
		mension Ø 25 mm					0.018 k
flush		mension Ø 25 mm	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6351.1000	2	1	0.018 k
Pus Pus	flat / level with front ring	mension Ø 25 mm B C mension Ø 25 mm B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6351.1000 82-6351.2000 82-6361.1000	2 2	1 2	0.018 0.018 0.020 0.020
Pus flush Pus	flat / level with front ring shbutton 22 mm Brass, Front di flat / raised above front ring shbutton 22 mm Brass, Front di	mension Ø 25 mm B C mension Ø 25 mm B C	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6351.1000 82-6351.2000 82-6361.1000 82-6361.2000	2 2 2	1 1 2	

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	button 22 mm Aluminium, Fro		5 mm				
ush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6551.1000	2	1	0.018 k
	, and the second	С	Solder 2.8 x 0.5 mm	82-6551.2000	2	2	0.018 kg
Push	button 22 mm Aluminium, Fro	nt dimension Ø 29	5 mm				
ush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6561.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-6561.2000	2	2	0.020 k
ush	convex / level with front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6571.1000 82-6571.2000	2	2	0.019 k
ised	button 22 mm Aluminium, Fro convex / raised above front ring button 22 mm Stainless-steel	ВС	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6581.1000 82-6581.2000	2 2	1 2	0.023 k
ush	flat / level with front ring	В	Screw	82-6152.1000	5	1	0.018 k
		С	Screw	82-6152.2000	5	2	0.018 kg
Push	button 22 mm Stainless-steel	, Front dimension	Ø 25 mm Screw Screw	82-6162.1000 82-6162.2000	5 5	1 2	0.020 kg
	button 22 mm Stainless-steel			00 0470 4055	-		0.010
lush	convex / level with front ring	В	Screw	82-6172.1000	5	1	0.019 kg
		С	Screw	82-6172.2000	5	2	0.019 kç
Push	button 22 mm Stainless-steel,	. Front dimension	Ø 25 mm				
aised	convex / raised above front ring	B	Screw	82-6182.1000	5	1	0.023 k
aioou	OUTIVEX / Taised above HOTIL HING	С	Screw	82-6182.2000	5	2	0.023 k
			COICVV	02-0102.2000	0	-	0.020 K

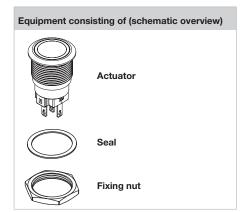
				1 10.011 0.		y	
Front ring shape	e Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	Pushbutton 22 mm Stainless-ste	el chrome-colourd,	Front dimension Ø 2	25 mm			
flush	flat / level with front ring	В	Screw	82-6252.1000	5	1	0.018 k
		С	Screw	82-6252.2000	5	2	0.018 k
	Pushbutton 22 mm Stainless-ste	el chrome-colourd,	Front dimension Ø 2	25 mm			
flush	flat / raised above front ring	В	Screw	82-6262.1000	5	1	0.020 k
		С	Screw	82-6262.2000	5	2	0.020 k
lush	Pushbutton 22 mm Stainless-ste	В	Front dimension Ø 2	82-6272.1000	5	1	0.019
		С	Screw	82-6272.2000	5	2	0.019 k
		С	Screw	82-6282.2000	5	2	0.023 k
	Pushbutton 22 mm Brass, Front	dimension Ø 25 mm					
flush	flat / level with front ring	В	Screw	82-6352.1000	5	1	0.018 k
		С	Screw	82-6352.2000	5	2	0.018 k
	Pushbutton 22 mm Brass, Front						
flush	Pushbutton 22 mm Brass, Front flat / raised above front ring	В	Screw	82-6362.1000	5	1	0.020 k
flush				82-6362.1000 82-6362.2000	5	1 2	
flush		ВС	Screw Screw		-		
	flat / raised above front ring	ВС	Screw Screw		-		0.020 k
	flat / raised above front ring Pushbutton 22 mm Brass, Front	B C dimension Ø 25 mm	Screw Screw	82-6362.2000	5	2	0.020 k
	Pushbutton 22 mm Brass, Front convex / level with front ring	dimension Ø 25 mm	Screw Screw Screw Screw Screw	82-6362.2000 82-6372.1000	5	2	0.020 k
flush	Pushbutton 22 mm Brass, Front convex / level with front ring Pushbutton 22 mm Brass, Front	dimension Ø 25 mm	Screw Screw Screw Screw Screw	82-6362.2000 82-6372.1000	5	2	0.020 k 0.020 k 0.019 k 0.019 k
flush	Pushbutton 22 mm Brass, Front convex / level with front ring	dimension Ø 25 mm	Screw Screw Screw Screw	82-6362.2000 82-6372.1000 82-6372.2000	5 5 5	1 2	0.020

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	shbutton 22 mm Aluminium, Fro			7 20000			
flush	flat / level with front ring	В	Screw	82-6552.1000	5	1	0.018 kg
		С	Screw	82-6552.2000	5	2	0.018 kg
		С	Screw	82-6562.2000	5	2	0.020 kg
	shbutton 22 mm Aluminium, Fro						T
Pus	shbutton 22 mm Aluminium, Fro	В	Screw	82-6572.1000	5	1	0.019 kg
	· ·			82-6572.1000 82-6572.2000	5	1 2	0.019 kg
flush	· ·	В	Screw Screw				_
flush	convex / level with front ring	В	Screw Screw				_

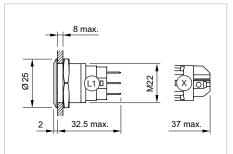
Switching action: B = Momentary, C = MaintainedThe component layouts you will find from page 181



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



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



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



Product can differ from the current configuration.

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
	hbutton 22 mm Stainless-stee			, arrio			rogin
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6153.1000	2	1	0.018 kg
		С	Solder 2.8 x 0.5 mm	82-6153.2000	2	2	0.018 kg
flush	flat / raised above front ring	С	Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6163.1000 82-6163.2000	2	2	
flush Pus flush	flat / raised above front ring hbutton 22 mm Stainless-steel convex / level with front ring	С	Solder 2.8 x 0.5 mm				0.020 kg 0.020 kg 0.019 kg
Pus	hbutton 22 mm Stainless-stee	c	Solder 2.8 x 0.5 mm Ø 25 mm	82-6163.2000	2	2	0.020 kg
Pus flush	hbutton 22 mm Stainless-stee	C I, Front dimension B C	Ø 25 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm Solder 2.8 x 0.5 mm	82-6163.2000 82-6173.1000	2	2	0.020 kg

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	button 22 mm Stainless-steel						wo.g.n.
ush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6253.1000	2	1	0.018 k
		С	Solder 2.8 x 0.5 mm	82-6253.2000	2	2	0.018 kç
Push	button 22 mm Stainless-steel	chrome-colourd,	Front dimension Ø 25	5 mm			
ush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6263.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-6263.2000	2	2	0.020 k
		С	Solder 2.8 x 0.5 mm	82-6273.2000	2	2	0.019 k
Push	button 22 mm Stainless-steel	chrome-colourd,	Front dimension Ø 25	5 mm			
aised	convex / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6283.1000	2	1	0.023 k
		С	Solder 2.8 x 0.5 mm	82-6283.2000	2	2	0.023 kç
Push	button 22 mm Brass, Front di	mension Ø 25 mm					
ush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6353.1000	2	1	0.018 k
		С	Solder 2.8 x 0.5 mm	82-6353.2000	2	2	0.018 kç
Push	button 22 mm Brass, Front di	В	Solder 2.8 x 0.5 mm	82-6363.1000	2	1	0.020 k
Push	button 22 mm Brass, Front di	C mension Ø 25 mm	Solder 2.8 x 0.5 mm	82-6363.2000	2	2	0.020 kg
lush	convex / level with front ring	В	Solder 2.8 x 0.5 mm	82-6373.1000	2	1	0.019 kg
		С	Solder 2.8 x 0.5 mm	82-6373.2000	2	2	0.019 kg
Puch	hutton 22 mm Brocc Front di	monsion Ø 25 mm					
	button 22 mm Brass, Front di			00 0000 1000	0	4	0.000
aised	convex / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6383.1000	2	1	0.023 kg
		U	Solder 2.8 x 0.5 mm	82-6383.2000	2	2	0.023 kg

					00.5	J	
Front ring shape	e Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	Pushbutton 22 mm Aluminium, F	ront dimension Ø 2	5 mm				
flush	flat / level with front ring	В	Solder 2.8 x 0.5 mm	82-6553.1000	2	1	0.018 k
		С	Solder 2.8 x 0.5 mm	82-6553.2000	2	2	0.018 k
	Pushbutton 22 mm Aluminium, F	ront dimension Ø 2	5 mm				
flush	flat / raised above front ring	В	Solder 2.8 x 0.5 mm	82-6563.1000	2	1	0.020 k
		С	Solder 2.8 x 0.5 mm	82-6563.2000	2	2	0.020 k
flush	Pushbutton 22 mm Aluminium, F	ront dimension Ø 25	5 mm Solder 2.8 x 0.5 mm	82-6573.1000	2	1	0.019 k
		С	Solder 2.8 x 0.5 mm	82-6573.2000	2	2	0.019 k
fluolo	Pushbutton 22 mm Stainless-ste			00 6454 4000	-	4	0.0401
flush	flat / level with front ring	С	Screw	82-6154.1000 82-6154.2000	5	2	0.018 k
	Pushbutton 22 mm Stainless-ste	el, Front dimension	Ø 25 mm				
						- 4	
flush	flat / raised above front ring	В	Screw	82-6164.1000	5	1	0.020 k
flush	flat / raised above front ring	В	Screw Screw	82-6164.1000 82-6164.2000	5	2	
flush	flat / raised above front ring Pushbutton 22 mm Stainless-ste convex / level with front ring	С	Screw				0.020 k
	Pushbutton 22 mm Stainless-ste convex / level with front ring Pushbutton 22 mm Stainless-ste	el, Front dimension B C	Ø 25 mm Screw Screw	82-6164.2000 82-6174.1000 82-6174.2000	5 5 5	2	0.020 k
	Pushbutton 22 mm Stainless-ste	el, Front dimension B C	Ø 25 mm Screw Screw	82-6164.2000 82-6174.1000	5	2	0.020 k

		0	T	.	Compo- nent layout	Wiring dia- gram	Weight
ont ring shape	Lens	Switching action	Terminal	Part No.	ء د	≥ ₪	Weight
Duck	huddan 00 nam Stainlean ataal		Frant dimension (. OF			
ush	button 22 mm Stainless-steel	B	Screw	82-6254.1000	5	1	0.018 k
	nat / 1010. With Holle Hing	C	Screw	82-6254.2000	5	2	0.018 k
Push	button 22 mm Stainless-steel	chrome-colourd,	Front dimension Ø	ິງ 25 mm			
ush	flat / raised above front ring	В	Screw	82-6264.1000	5	1	0.020 kg
		С	Screw	82-6264.2000	5	2	0.020 k
sh	convex / level with front ring	С	Screw Screw	82-6274.1000 82-6274.2000	5	1	0.019 k
	button 22 mm Stainless-steel convex / raised above front ring	Chrome-colourd,	Front dimension & Screw Screw	82-6284.1000 82-6284.2000	5	1 2	
aised	convex / raised above front ring	В	Screw Screw	82-6284.1000	-		
Push	convex / raised above front ring button 22 mm Brass, Front di	B C mension Ø 25 mm	Screw Screw	82-6284.1000 82-6284.2000	5	2	0.023 k
Push	convex / raised above front ring	В	Screw Screw	82-6284.1000	-		0.023 kg 0.023 kg 0.018 kg
Push ush	convex / raised above front ring button 22 mm Brass, Front di	mension Ø 25 mm	Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000	5	2	0.023 k
Push Push	convex / raised above front ring button 22 mm Brass, Front di flat / level with front ring	mension Ø 25 mm	Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000	5	2	0.023 k
Push Push	button 22 mm Brass, Front di flat / level with front ring	B C mension Ø 25 mm C mension Ø 25 mm	Screw Screw Screw Screw	82-6284.2000 82-6284.2000 82-6354.1000 82-6354.2000	5 5 5	1 2	0.023 k 0.018 k 0.018 k
Push ush Push	button 22 mm Brass, Front di flat / level with front ring	mension Ø 25 mm B C mension Ø 25 mm B C	Screw Screw Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000 82-6354.2000	5 5	1 2	0.023 k 0.018 k 0.018 k
Push ush Push	button 22 mm Brass, Front di flat / level with front ring button 22 mm Brass, Front di flat / raised above front ring	mension Ø 25 mm B C mension Ø 25 mm B C	Screw Screw Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000 82-6354.2000	5 5	1 2	0.023 k
Push Push Push	button 22 mm Brass, Front di flat / level with front ring button 22 mm Brass, Front di flat / raised above front ring button 22 mm Brass, Front di	B C mension Ø 25 mm B C mension Ø 25 mm B C	Screw Screw Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000 82-6354.2000 82-6364.1000 82-6364.2000	5 5 5	1 2 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Push ush Push	button 22 mm Brass, Front di flat / level with front ring button 22 mm Brass, Front di flat / raised above front ring button 22 mm Brass, Front di convex / level with front ring	mension Ø 25 mm B C mension Ø 25 mm B C mension Ø 25 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000 82-6354.2000 82-6364.2000 82-6364.2000	5 5 5	1 2 2	0.023 k 0.018 k 0.018 k 0.020 k 0.020 k
Push ush Push ush	button 22 mm Brass, Front di flat / level with front ring button 22 mm Brass, Front di flat / raised above front ring button 22 mm Brass, Front di	mension Ø 25 mm B C mension Ø 25 mm B C mension Ø 25 mm B C	Screw Screw Screw Screw Screw Screw Screw Screw	82-6284.1000 82-6284.2000 82-6354.1000 82-6354.2000 82-6364.2000 82-6364.2000	5 5 5	1 2 2	0.023 k

Front ring shape	Lens	Switching action	Terminal	Part No.	Compo- nent layout	Wiring dia- gram	Weight
	nbutton 22 mm Aluminium, Fro		5 mm				
flush	flat / level with front ring	В	Screw	82-6554.1000	5	1	0.018 kg
		С	Screw	82-6554.2000	5	2	0.018 kg
flush	flat / raised above front ring	С	Screw	82-6564.2000	5	2	0.020 kg 0.020 kg
Push	nbutton 22 mm Aluminium, Fro	В	Screw	82-6574.1000	5	1	0.019 kg
		С	Screw	82-6574.2000	5	2	0.019 kg
Push	nbutton 22 mm Aluminium, Fro	ont dimension Ø 25	5 mm				
raised	convex / raised above front ring	В	Screw	82-6584.1000	5	1	0.023 kg
					_	_	

Screw

82-6584.2000

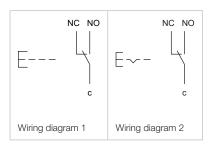
2

5

0.023 kg

С

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
Ø 19 mm Blind plug	Stainless steel	82-908	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 prot	ective 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
Flat receptacle		
2.8 x 0.5 mm plug-in terminal	31-946	0.001 kg

Insulation sleeve

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

82 Accessories

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 loosing the fixing nut \varnothing 16 mm	01-907	0.020 kg
for tightening or loosing the fixing nut Ø 19 mm	82-905	0.022 kg
Mounting tool		
for tightening or loosing the fixing nut Ø 22 mm	84-997	0.027 kg

Drawings







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. LED and series resistor with polarity protection are built in. 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

250 VAC

Rated Insulation Voltage U

250 V

Illumination

LED red, green, blue, yellow and white

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

Contact resistance

<50 mΩ

Electrical life

50 000 cycles of operation (full load)

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

Switch rating AC cos@ 0.3 service categorie AC-15

Volta	ge	Current
24	VAC	1 A
110	VAC	1 A
220	VAC	0.5 A

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

Volta	ge	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 cos\phi 0.75 ... 0.8) Voltage Current 120 VAC 5 A 3 A 240 VAC

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,

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

Electrical strength

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

Isolation resistance

500 VDC at min. 10 M Ω 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

EAO reserves the right to alter specifications without further notice.

Climate resistance

Damp heat, 21 days according to IEC 60512-11

Stainless steel and alumimium 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

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	Standby	Light	Info	Bell	Door open	Door close
Part No. B001	Part No. B002	Part No. B003	Part No. B004	Part No. B005	Part No. B006	Part No. B007
0		(A)		(7)	(>)	><
Telephone	Hand control	Arrow right	Arrow left	Arrow up	Arrow down	Help
Part No. B008	Part No. B009	Part No. B010	Part No. B011	Part No. B012	Part No. B013	Part No. B014
				Î	\$	HELP
SOS	EIN	AUS	AUF	AB	ON	OFF
Part No. B015	Part No. B016	Part No. B017	Part No. B018	Part No. B019	Part No. B020	Part No. B021
sos	EIN	AUS	AUF	AB	ON	OFF
UP	DOWN	START	STOP	AUTO	ENTER	RESET
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
Part No. B022	Part No. B023	Part No. B024	Part No. B025	Part No. B026	Part No. B027	Part No. B028
Part No. B022	Part No. B023	Part No. B024	Part No. B025	Part No. B026	Part No. B027	Part No. B028
Part No. B022	Part No. B023	Part No. B024 START	Part No. B025	AUTO	Part No. B027 ENTER	Part No. B028
Part No. B022 UP 1 Part No. B029	Part No. B023 DOWN 2 Part No. B030 2	START 3 Part No. B031	Part No. B025 STOP 4 Part No. B032	Part No. B026 5 Part No. B033	Part No. B027 ENTER 6 Part No. B034	Part No. B028 RESET 7 Part No. B035
Part No. B022 UP 1 Part No. B029	Part No. B023 DOWN 2 Part No. B030	START 3 Part No. B031	Part No. B025 STOP 4 Part No. B032	AUTO 5 Part No. B033	Part No. B027 ENTER 6 Part No. B034	Part No. B028 RESET 7 Part No. B035