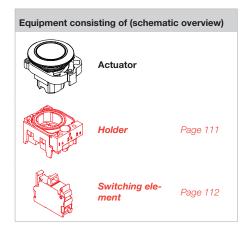
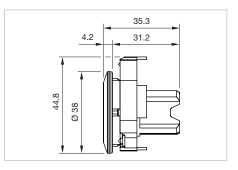
Pushbutton, IP66, IP67, IP69K



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

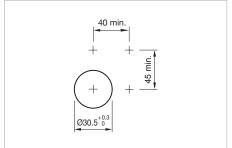
To obtain a complete unit, please select the red components from the pages shown.



Dimensions [mm]



Product can differ from the current configuration.



Mounting cut-outs [mm]

Additional Information

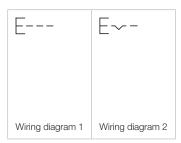
Front panel thickness 1-6 mm

Front ring	Lens	Switching action	Part No.	Wiring diagramm	Weight
Push	nbutton actuator, Momentary, F	Front dimension Ø 38 mm			
Metal sandgrey	Plastic black	В	45-2131.4F10.000	1	0.048 kg
Push Metal sandgrey	nbutton actuator, Momentary, F	Front dimension Ø 38 mm	45-2131.4F20.000	1	0.048 kg
Push	nbutton actuator, Momentary, F	Front dimension Ø 38 mm			
Push Metal sandgrey	nbutton actuator, Momentary, F	Front dimension Ø 38 mm	45-2131.4F40.000	1	0.048 kg
Metal sandgrey		В	45-2131.4F40.000	1	0.048 kg
Metal sandgrey Push	Plastic yellow	В	45-2131.4F40.000 45-2131.4F50.000	1	0.048 kg
Metal sandgrey Push Metal sandgrey	Plastic yellow nbutton actuator, Momentary, F	Front dimension Ø 38 mm			

45 Flush design

Front ring	Lens	Switching action	Part No.	Wiring diagramm	Weight
	hbutton actuator, Momentary, I	·	·		
Metal sandgrey	Plastic white	В	45-2131.4F90.000	1	0.048 kg
Pus	hbutton actuator, Maintain, Fro	nt dimension Ø 38 mm			
Metal sandgrey	Plastic black	С	45-2134.4F10.000	2	0.048 kg
Pus Metal sandgrey	hbutton actuator, Maintain, Fro	nt dimension Ø 38 mm	45-2134.4F40.000	2	0.048 kg
Pus	hbutton actuator, Maintain, Fro	nt dimension Ø 38 mm			l
Metal sandgrey	Plastic green	С	45-2134.4F50.000	2	0.048 kg
	hbutton actuator, Maintain, Fro				
Metal sandgrey	Plastic blue	С	45-2134.4F60.000	2	0.048 kg
Pus	hbutton actuator, Maintain, Fro	nt dimension Ø 38 mm			
Metal sandgrey	Plastic white	C	45-2134.4F90.000	2	0.048 kg
				1	,

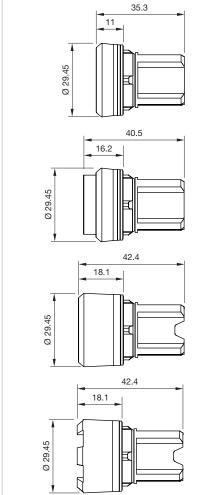
Switching action: B = Momentary, C = Maintain



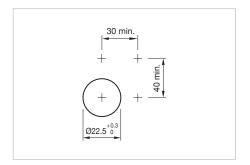
Pushbutton, IP66, IP67, IP69K



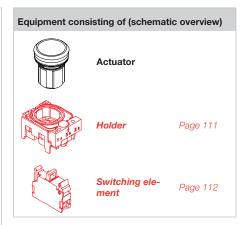
Product can differ from the current configuration.



Dimensions [mm]



Mounting cut-outs [mm]



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

To obtain a complete unit, please select the red components from the pages shown.

Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	Wiring diagramm	Weight
-roduct attribute	Front ring	Lens	nousing material	Switching action	Part No.	> 0	weigh
	LL Harris	M 5	ulius anni an G 00 4r				
Pus Lens level with front ring	Plastic black	Plastic black	dimension Ø 29.45	B B	45-2131.1110.000	1	0.013 k
	T lastic black	1 lastic black	1 lastic		40 2101.1110.000	'	0.0101
Pus	hbutton actuator.	Momentary, Front	dimension Ø 29.45	5 mm			
ens level with front ring	Plastic black	Plastic red	Plastic	В	45-2131.1120.000	1	0.013 k
				_			
			dimension Ø 29.45				00404
_ens level with front ring	Plastic black	Plastic yellow	Plastic	В	45-2131.1140.000	1	0.013 k
			dimension Ø 29.45		45 0404 4450 000		0.0401
ens level with front ring	Plastic black	Plastic green	Plastic	В	45-2131.1150.000	1	0.013
			dimension Ø 29.45		45 0424 4460 000	1	0.0101
Lens level with front ring	Plastic black	Plastic blue	Plastic Plastic	B B	45-2131.1160.000	1	0.013
Lens level with front ring	Plastic black	Plastic blue	Plastic	В	45-2131.1160.000	1	0.0131
Lens level with front ring	Plastic black	Plastic blue Momentary, Front	Plastic dimension Ø 29.45	5 mm			
Lens level with front ring	Plastic black	Plastic blue	Plastic	В	45-2131.1160.000 45-2131.1180.000	1	
Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black	Plastic blue Momentary, Front Plastic grey	Plastic dimension Ø 29.45 Plastic	5 mm			
Pus Lens level with front ring Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black	Plastic blue Momentary, Front Plastic grey	Plastic dimension Ø 29.45	5 mm			0.0131
Pus Lens level with front ring Pus Lens level with front ring	Plastic black shbutton actuator, Plastic black shbutton actuator,	Momentary, Front Plastic grey Momentary, Front	dimension Ø 29.45 Plastic dimension Ø 29.45	5 mm B	45-2131.1180.000	1	0.0131
Pus Lens level with front ring Pus Lens level with front ring Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45	В б mm В В В В В В В В В В В В В В В В В В В	45-2131.1180.000	1	0.0131
Pus Lens level with front ring Pus Lens level with front ring Pus Lens level with front ring Pus	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white Momentary, Front	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic	5 mm B 5 mm B	45-2131.1180.000 45-2131.1190.000	1	0.0131
Pus Lens level with front ring Pus Lens level with front ring Pus Lens level with front ring Pus	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45	В б mm В В В В В В В В В В В В В В В В В В В	45-2131.1180.000	1	0.0131
Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white Momentary, Front Plastic colourless	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic	5 mm B 5 mm B 6 mm B	45-2131.1180.000 45-2131.1190.000	1	0.013 F
Pus Lens level with front ring Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white Momentary, Front Plastic colourless Maintain, Front directions	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic	5 mm B 5 mm B 6 mm B	45-2131.1180.000 45-2131.1190.000 45-2131.11K0.000	1	0.013
Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white Momentary, Front Plastic colourless	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic	5 mm B 5 mm B 6 mm B	45-2131.1180.000 45-2131.1190.000	1	0.013 k
Pus Lens level with front ring Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white Momentary, Front Plastic colourless Maintain, Front dir Plastic black	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic	B B B B B B B B B B	45-2131.1180.000 45-2131.1190.000 45-2131.11K0.000	1	0.013
Pus Lens level with front ring Pus Lens level with front ring	Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black Shbutton actuator, Plastic black	Momentary, Front Plastic grey Momentary, Front Plastic white Momentary, Front Plastic colourless Maintain, Front dir Plastic black	Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic dimension Ø 29.45 Plastic	B B B B B B B B B B	45-2131.1180.000 45-2131.1190.000 45-2131.11K0.000	1	0.0131

	· ·						
						Wiring diagramm	
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	Wir	Weight
Due	shbutton actuator	Maintain Front o	limension Ø 29.45 m	am.			
	Plastic black			C	45-2134.1140.000	2	0.013 kg
Lens level with front ring	Flastic Diack	Plastic yellow	Plastic	U	45-2134.1140.000	2	0.013 Kg
Pus	shbutton actuator, I	Maintain, Front o	limension Ø 29.45 m	nm			
ens level with front ring	Plastic black	Plastic green	Plastic	С	45-2134.1150.000	2	0.013 kg
		-	limension Ø 29.45 m				
ens level with front ring	Plastic black	Plastic blue	Plastic	С	45-2134.1160.000	2	0.013 k
ens level with front ring	Plastic black	Plastic white Momentary, From	Plastic nt dimension Ø 29.44	С 5 mm	45-2134.1190.000	2	0.013 kg
Lens level with front ring	Metal sandgrey	Plastic black	Plastic	В	45-2131.3110.000	1	0.021 kg
Pus	shbutton actuator, I	Momentary, Fron	nt dimension Ø 29.4	5 mm			
ens level with front ring	Metal sandgrey	Plastic red	Plastic	В	45-2131.3120.000	1	0.021 kg
Pus	shbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
ens level with front ring	Metal sandgrey	Plastic yellow	Plastic	В	45-2131.3140.000	1	0.021 kg
Pus	shbutton actuator. I	Momentary. Fron	nt dimension Ø 29.4	5 mm			
Lens level with front ring	Metal sandgrey	Plastic green	Plastic	В	45-2131.3150.000	1	0.021 kg
		-	nt dimension Ø 29.4		1		
Lens level with front ring	Metal sandgrey	Plastic blue	Plastic	В	45-2131.3160.000	1	0.021 kg
2010 10 VOI WILLT HOLLETHING	Wictai Sallagiey	i idolio bide	1 Idolio		.5 2101.0100.000	'	J.02 1 Kg

Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	Wiring diagramm	Weight
Pue	hbutton actuator, N	Momentary Front	dimension Ø 20.45	mm			
_ens level with front ring	Metal sandgrey	Plastic grey	Plastic Plast	В	45-2131.3180.000	1	0.021
	hbutton actuator, N				10 210110 100100	<u> '</u>	0.021
Lens level with front ring	Metal sandgrey	Plastic white	Plastic	В	45-2131.3190.000	1	0.021 k
	hbutton actuator, N				45 2424 2410 222		0.004
Lens level with front ring	Metal sandgrey	Plastic colourless	Plastic	В	45-2131.31K0.000	1	0.021
1 43	induction dotadtor, is	viairitairi, i roitt air	mension Ø 29.45 m				
Lens level with front ring	Metal sandgrey	Plastic black	Plastic	С	45-2134.3110.000	2	0.021
Lens level with front ring		Plastic black	Plastic	С	45-2134.3110.000 45-2134.3120.000	2	0.021
Pus Pus Pus	Metal sandgrey	Plastic black Maintain, Front dir Plastic red	Plastic mension Ø 29.45 m Plastic	m			
Pus Lens level with front ring Pus Lens level with front ring	Metal sandgrey hbutton actuator, N Metal sandgrey hbutton actuator, N	Plastic black Maintain, Front dir Plastic red Maintain, Front dir Plastic yellow	mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic	m C	45-2134.3120.000	2	0.021
Pus Lens level with front ring Pus Lens level with front ring Pus Lens level with front ring Pus	Metal sandgrey Shbutton actuator, N Metal sandgrey Shbutton actuator, N Metal sandgrey	Plastic black Maintain, Front dir Plastic red Maintain, Front dir Plastic yellow	mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic	m C	45-2134.3120.000	2	0.021
Pus Lens level with front ring	Metal sandgrey Chbutton actuator, N Metal sandgrey Chbutton actuator, N Metal sandgrey	Maintain, Front dir Plastic red Maintain, Front dir Plastic yellow Maintain, Front dir Plastic green	mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic	т С т С	45-2134.3120.000 45-2134.3140.000	2	0.021
Pus Lens level with front ring	Metal sandgrey Chbutton actuator, N Metal sandgrey	Maintain, Front dir Plastic red Maintain, Front dir Plastic yellow Maintain, Front dir Plastic green	mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic	т С т С	45-2134.3120.000 45-2134.3140.000	2	0.021
Pus Lens level with front ring Pus Lens level with front ring	Metal sandgrey Shbutton actuator, N Metal sandgrey	Maintain, Front dir Plastic red Maintain, Front dir Plastic yellow Maintain, Front dir Plastic green Maintain, Front dir Plastic blue	mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic	m C M C	45-2134.3120.000 45-2134.3140.000 45-2134.3150.000	2	0.021
Pus Lens level with front ring Pus Lens level with front ring	Metal sandgrey Chbutton actuator, Metal sandgrey	Maintain, Front dir Plastic red Maintain, Front dir Plastic yellow Maintain, Front dir Plastic green Maintain, Front dir Plastic blue	mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic mension Ø 29.45 m Plastic	m C M C	45-2134.3120.000 45-2134.3140.000 45-2134.3150.000	2	0.021

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						Wiring diagramm	
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	≥ . ₽	Weight
Pus	hbutton actuator.	Momentary, Front	dimension Ø 29.45	5 mm			
Lens level with front ring	Metal silver	Plastic black	Metal	В	45-2131.2110.000	1	0.048 kg
			dimension Ø 29.4				
Lens level with front ring	Metal silver	Plastic red	Metal	В	45-2131.2120.000	1	0.048 kg
Pus	hbutton actuator,	Momentary, Front	dimension Ø 29.45	5 mm			
Lens level with front ring	Metal silver	Plastic yellow	Metal	В	45-2131.2140.000	1	0.048 kg
Lens level with front ring	Metal silver	Plastic green	dimension Ø 29.45 Metal	В	45-2131.2150.000	1	0.048 kg
Lens level with front ring	Metal silver	Plastic blue	Metal	В	45-2131.2160.000	1	0.048 kg
Pus	hbutton actuator,	Momentary, Front	dimension Ø 29.45	5 mm			
Lens level with front ring	Metal silver	Plastic grey	Metal	В	45-2131.2180.000	1	0.048 kg
Pus	hbutton actuator,	Momentary, Front	dimension Ø 29.45	5 mm			'
Lens level with front ring	Metal silver	Plastic white	Metal	В	45-2131.2190.000	1	0.048 kg
Pus	hbutton actuator,	Momentary, Front	: dimension Ø 29.4	5 mm			
Lens level with front ring	Metal silver	Plastic colourless	Metal	В	45-2131.21K0.000	1	0.048 kg
			mension Ø 29.45 m			1	1.2.0.19
Lens level with front ring	Metal silver	Plastic black	Metal	C	45-2134.2110.000	2	0.048 kg
Let 19 level with HOHE HING	IVICIAI SIIVEI	Flastic Dlack	IVICIAI	0	73-2134.2110.000		0.046 Kg

Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Pleato red Metal © 45-2134.2120.000 2 0.046 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Pleato green Metal © 45-2134.2140.000 2 0.046 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Pleato blue Metal © 45-2134.2160.000 2 0.046 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Pleato blue Metal © 45-2134.2160.000 2 0.046 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Pleato blue Metal © 45-2134.2160.000 2 0.046 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens naised above front ring Pleato black Pleato black Pleato B 45-2131.1210.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens naised above front ring Pleato black Pleato red Pleato B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens naised above front ring Pleato black Pleato B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens naised above front ring Pleato black Pleato B 45-2131.1220.000 1 0.013 k							J	
Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic red Metal © 45-2134.2120.000 © 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic green Metal © 45-2134.2140.000 © 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic green Metal © 45-2134.2160.000 © 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal © 45-2134.2160.000 © 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal © 45-2134.2160.000 © 0.048 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1210.000 © 0.018 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 © 0.018 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 © 0.018 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 © 0.018 k	Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	Wiring diagramm	Weight
Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm			25.10	riodollig matorial	Contoining decision	, ructio		, word
Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plasto green Metal © 45-2134.2140.000 2 0.048 km Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plasto green Metal © 45-2134.2150.000 2 0.048 km Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plasto blue Metal © 45-2134.2160.000 2 0.048 km Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plasto blue Metal © 45-2134.2160.000 2 0.048 km Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plasto black Plasto black Plasto B 45-2131.1210.000 1 0.013 km Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plasto black Plasto red Plasto B 45-2131.1220.000 1 0.013 km Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plasto black Plasto red Plasto B 45-2131.1220.000 1 0.013 km Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plasto black Plasto red Plasto B 45-2131.1240.000 1 0.013 km Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plasto black Plasto red Plasto B 45-2131.1240.000 1 0.013 km Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Push	nbutton actuator,	Maintain, Front d	limension Ø 29.45 m	m			
Lens level with front ring Metal silver Plastic yellow Metal C 45-2134.2140.000 2 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic green Metal C 45-2134.2150.000 2 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal C 45-2134.2160.000 2 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic white Metal C 45-2134.2190.000 2 0.048 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic black Plastic B 45-2131.1210.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plasto red Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plasto red Plastic B 45-2131.1240.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plasto red Plastic B 45-2131.1240.000 1 0.013 k	Lens level with front ring	Metal silver	Plastic red	Metal	С	45-2134.2120.000	2	0.048 k
Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic green Metal C 45-2134.2150.000 2 0.048 if Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal C 45-2134.2160.000 2 0.048 if Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic white Metal C 45-2134.2190.000 2 0.048 if Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic black Plastic B 45-2131.1210.000 1 0.013 if Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic B 45-2131.1220.000 1 0.013 if Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic B 45-2131.1220.000 1 0.013 if Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic gellow Plastic B 45-2131.1240.000 1 0.013 if Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Push	nbutton actuator,	Maintain, Front d	limension Ø 29.45 mı	m			
Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal © 45-2134.2160.000 2 0.048 kg Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal © 45-2134.2160.000 2 0.048 kg Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic black Plastic black Plastic B 45-2131.1210.000 1 0.013 kg Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 kg Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic Plastic B 45-2131.1220.000 1 0.013 kg Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic Plastic B 45-2131.1240.000 1 0.013 kg Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic Plastic B 45-2131.1240.000 1 0.013 kg	Lens level with front ring	Metal silver	Plastic yellow	Metal	С	45-2134.2140.000	2	0.048 k
Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic blue Metal C 45-2134.2160.000 2 0.048 k Pushbutton actuator, Maintain, Front dimension Ø 29.45 mm Lens level with front ring Metal silver Plastic white Metal C 45-2134.2190.000 2 0.048 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic black Plastic B 45-2131.1210.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Push	nbutton actuator,	Maintain, Front d	limension Ø 29.45 m	m			
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Lens level with front ring	Metal silver	Plastic green	Metal	С	45-2134.2150.000	2	0.048 k
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm						45-2134.2160.000	2	0.048 F
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic black Plastic B 45-2131.1210.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic yellow Plastic B 45-2131.1240.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm						45 2124 2100 000	0	0.049.14
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic yellow Plastic B 45-2131.1240.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Let is level with front fing	Ivietal Silvei	Flastic Write	Ivietai	U	43-2134.2190.000		0.040 K
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic red Plastic B 45-2131.1220.000 1 0.013 l Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm Lens raised above front ring Plastic black Plastic yellow Plastic B 45-2131.1240.000 1 0.013 l Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Push	nbutton actuator,	Momentary, Fron	nt dimension Ø 29.45	mm			
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm	Lens raised above front ring	Plastic black	Plastic black	Plastic	В	45-2131.1210.000	1	0.013 k
Lens raised above front ring Plastic black Plastic yellow Plastic B 45-2131.1240.000 1 0.013 k Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm						45-2131.1220.000	1	0.013 k
Pushbutton actuator, Momentary, Front dimension Ø 29.45 mm						45 2121 1240 000	1	0.0121
	Leris raised above front ring	Plastic black	Plastic yellow	Plastic	B	40-2131.1240.000	I	U.U13 k
	Push	nbutton actuator,	Momentary, Fron	nt dimension Ø 29.45	mm			
	Lens raised above front ring		Plastic green			45-2131.1250.000	1	0.013 k

	0						
						Wiring	
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	Wir	Weight
Dunk	shutton actuator I	Momentony Fron	at dimension Ø 20 4	5 mm			
			nt dimension Ø 29.4		45 0404 4000 000		0.0101
Lens raised above front ring	Plastic black	Plastic blue	Plastic	В	45-2131.1260.000	1	0.013 kg
Push	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
ens raised above front ring	Plastic black	Plastic white	Plastic	В	45-2131.1290.000	1	0.013 kg
Push	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens raised above front ring	Metal sandgrey	Plastic black	Plastic	В	45-2131.3210.000	1	0.021 kg
ens raised above front ring	Metal sandgrey	Plastic red Momentary, Fror	Plastic	В 5 mm	45-2131.3220.000	1	0.021 kg
Lens raised above front ring	Metal sandgrey	Plastic yellow	Plastic	В	45-2131.3240.000	1	0.021 kg
Push	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
ens raised above front ring	Metal sandgrey	Plastic green	Plastic	В	45-2131.3250.000	1	0.021 kg
Push	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
_ens raised above front ring	Metal sandgrey	Plastic blue	Plastic	В	45-2131.3260.000	1	0.021 kg
Push	nbutton actuator. I	Momentary. Fron	nt dimension Ø 29.4	5 mm			1
Lens raised above front ring	Metal sandgrey	Plastic white	Plastic	В	45-2131.3290.000	1	0.021 kg
					3 2 101.0230.000	'	0.021 Ng
			nt dimension Ø 29.4		45 0404 0012 002	-	0.0011
Lens raised above front ring	Metal silver	Plastic black	Metal	В	45-2131.2210.000	1	0.021 kg

						Wiring diagramm	
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	8 €	Weight
Pue	hhutton actuator	Momentary Fron	t dimension Ø 29.45	mm			
		Plastic red		В	45-2131.2220.000	1	0.0491
Lens raised above front ring	Metal silver	Plastic red	Metal	В	45-2131.2220.000	ı	0.048 k
Pusi	hbutton actuator,	Momentary, Fron	t dimension Ø 29.45	mm			
Lens raised above front ring	Metal silver	Plastic yellow	Metal	В	45-2131.2240.000	1	0.048
Pusi	hbutton actuator,	Momentary, Fron	t dimension Ø 29.45	mm			
Lens raised above front ring	Metal silver	Plastic green	Metal	В	45-2131.2250.000	1	0.048 k
	hbutton ootustor	Momenton, Eron	A dimension Ø 00 45	mm			
Pus	nbutton actuator,	wionientary, From	t dimension Ø 29.45	111111			
	Metal silver	Plastic blue	Metal	В	45-2131.2260.000	1	0.048 k
Lens raised above front ring Pusi	Metal silver	Plastic blue		В	45-2131.2260.000 45-2131.2290.000	1	
Lens raised above front ring Pusi	Metal silver	Plastic blue Momentary, Fron	Metal t dimension Ø 29.45	mm			
Pusi Lens raised above front ring	Metal silver hbutton actuator, Metal silver	Plastic blue Momentary, Fron Plastic white	Metal t dimension Ø 29.45	mm B			
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi	Metal silver hbutton actuator, Metal silver	Plastic blue Momentary, Fron Plastic white	t dimension Ø 29.45	mm B			0.048 k
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring	hbutton actuator, Metal silver hbutton actuator, Metal silver hbutton actuator,	Momentary, Fron Plastic white Maintain, Front d Plastic red	Metal t dimension Ø 29.45 Metal imension Ø 29.45 m	тт С	45-2131.2290.000	1	0.048 k
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi	Metal silver hbutton actuator, Metal silver hbutton actuator, Metal silver	Momentary, Fron Plastic white Maintain, Front d Plastic red	Metal It dimension Ø 29.45 Metal imension Ø 29.45 m Metal	тт С	45-2131.2290.000	1	0.048 k
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens lower than front ring	hbutton actuator, Metal silver hbutton actuator, Metal silver hbutton actuator, Plastic black	Momentary, From Plastic white Maintain, Front d Plastic red Momentary, From Plastic black	Metal It dimension Ø 29.45 Metal imension Ø 29.45 m Metal It dimension Ø 29.45	т С т В	45-2131.2290.000 45-2134.2220.000	2	0.048 k
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens lower than front ring Pusi	hbutton actuator, Metal silver hbutton actuator, Metal silver hbutton actuator, Plastic black	Momentary, Fron Plastic white Maintain, Front d Plastic red Momentary, Fron Plastic black	Metal t dimension Ø 29.45 Metal imension Ø 29.45 m Metal t dimension Ø 29.45 Plastic	mm В С mm В т В	45-2131.2290.000 45-2134.2220.000 45-2131.1310.000	2	0.048 k
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens lower than front ring Pusi	hbutton actuator, Metal silver hbutton actuator, Metal silver hbutton actuator, Plastic black	Momentary, From Plastic white Maintain, Front d Plastic red Momentary, From Plastic black	Metal It dimension Ø 29.45 Metal imension Ø 29.45 m Metal It dimension Ø 29.45	т С т В	45-2131.2290.000 45-2134.2220.000	2	0.048 k
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens lower than front ring Pusi Lens lower than front ring	hbutton actuator, Metal silver hbutton actuator, Metal silver hbutton actuator, Plastic black	Momentary, From Plastic white Maintain, Front d Plastic red Momentary, From Plastic black Momentary, From Plastic red	Metal t dimension Ø 29.45 Metal imension Ø 29.45 m Metal t dimension Ø 29.45 Plastic	mm В т С т В	45-2131.2290.000 45-2134.2220.000 45-2131.1310.000	2	0.048 F
Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens raised above front ring Pusi Lens lower than front ring Pusi Lens lower than front ring	hbutton actuator, Metal silver hbutton actuator, Metal silver hbutton actuator, Plastic black	Momentary, From Plastic white Maintain, Front d Plastic red Momentary, From Plastic black Momentary, From Plastic red	Metal t dimension Ø 29.45 Metal imension Ø 29.45 m Metal t dimension Ø 29.45 Plastic	mm В т С т В	45-2131.2290.000 45-2134.2220.000 45-2131.1310.000	2	0.048

						Wiring diagramm	
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	≥ ਦ	Weight
Puel	phutton actuator I	Momentany Fron	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Plastic black		Plastic	В	45-2131.1350.000	1	0.013 kg
Lens lower than from thing	Flastic black	Plastic green	Flastic	В	45-2131.1350.000	'	0.013 kg
Pusl	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Plastic black	Plastic blue	Plastic	В	45-2131.1360.000	1	0.013 kg
Push	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Plastic black	Plastic white	Plastic	В	45-2131.1390.000	1	0.013 kg
Pusi Lens lower than front ring	Metal sandgrey	Momentary, Fror	nt dimension Ø 29.45	5 mm B	45-2131.3310.000	1	0.021 kg
			nt dimension Ø 29.4				ı
Lens lower than front ring	Metal sandgrey	Plastic red	Plastic	В	45-2131.3320.000	1	0.021 kg
Pusl	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Metal sandgrey	Plastic yellow	Plastic	В	45-2131.3340.000	1	0.021 kg
Pusi	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Metal sandgrey	Plastic green	Plastic	В	45-2131.3350.000	1	0.021 kg
Pusl	nbutton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Metal sandgrey	Plastic blue	Plastic	В	45-2131.3360.000	1	0.021 kg
Pusi	nbutton actuator	Momentary, Fron	nt dimension Ø 29.4	5 mm			
Lens lower than front ring	Metal sandgrey	Plastic white	Plastic Plast	В	45-2131.3390.000	1	0.021 kg
Lond lower triair front fing	iviciai sallugiey	I Idolio Wille	1 Idolio		-J-2 101.3390.000	<u> </u>	0.02 i kg

						Wiring diagramm	
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	≥ =	Weight
Pushk	outton actuator.	Momentary. Fron	nt dimension Ø 29.45	mm			
Lens lower than front ring	Metal silver	Plastic black	Metal	В	45-2131.2310.000	1	0.048 kç
Pushi		Managatana Faran	at discounting (CO) 45				
Lens lower than front ring	Metal silver	Plastic red	nt dimension Ø 29.45	B	45-2131.2320.000	1	0.048 k
_ens lower than from ring	ivietai siiver	Plastic red	Ivietai	В	45-2131.2320.000	'	0.048 K
Pushk	outton actuator,	Momentary, Fron	nt dimension Ø 29.45	mm			
Lens lower than front ring	Metal silver	Plastic yellow	Metal	В	45-2131.2340.000	1	0.048 k
Pushb	outton actuator,	Momentary, Fron	nt dimension Ø 29.45	mm			
	Metal silver	Plastic green	Metal	В	45-2131.2350.000	1	0.048 k
Lens lower than front ring Pushb Lens lower than front ring			Metal At dimension Ø 29.45 Metal		45-2131.2350.000 45-2131.2360.000	1	
Pushk Lens lower than front ring	Dutton actuator, Metal silver	Momentary, Fron	nt dimension Ø 29.45	mm B			
Pushk Lens lower than front ring Pushk	Dutton actuator, Metal silver	Momentary, Fron	nt dimension Ø 29.45	mm B			0.048 k
Pushk Lens lower than front ring Pushk Lens lower than front ring Pushk	Dutton actuator, Metal silver Dutton actuator, Metal silver	Momentary, From Plastic blue Momentary, From Plastic white Momentary, From	nt dimension Ø 29.45 Metal At dimension Ø 29.45 Metal	mm В В	45-2131.2360.000 45-2131.2390.000	1	0.048 k
Pushk Lens lower than front ring Pushk Lens lower than front ring Pushk Lens lover than front ring, with	Metal silver Dutton actuator, Metal silver Metal silver	Momentary, From Plastic blue Momentary, From Plastic white	Metal Metal Metal Metal Metal	mm B B B	45-2131.2360.000	1	0.048 k
Pushk Lens lower than front ring Pushk Lens lower than front ring Pushk Lens lover than front ring, with castellation	Dutton actuator, Metal silver Dutton actuator, Metal silver Dutton actuator, Plastic black	Momentary, From Plastic blue Momentary, From Plastic white Momentary, From Plastic black	nt dimension Ø 29.45 Metal At dimension Ø 29.45 Metal	mm B	45-2131.2360.000 45-2131.2390.000	1	0.048 k
Pusht Lens lower than front ring Pusht Lens lower than front ring Pusht Lens lover than front ring, with castellation Pusht Lens lover than front ring, with	Dutton actuator, Metal silver Dutton actuator, Metal silver Dutton actuator, Plastic black	Momentary, From Plastic blue Momentary, From Plastic white Momentary, From Plastic black	Metal Metal At dimension Ø 29.45 Metal Metal Metal Plastic	mm B	45-2131.2360.000 45-2131.2390.000	1	0.048 kg 0.048 kg 0.048 kg
Pushk Lens lower than front ring Pushk Lens lower than front ring Pushk Lens lover than front ring, with castellation Pushk Lens lover than front ring, with castellation	Dutton actuator, Metal silver Dutton actuator, Metal silver Dutton actuator, Plastic black Dutton actuator, Plastic black	Momentary, From Plastic blue Momentary, From Plastic white Momentary, From Plastic black Momentary, From Plastic black	nt dimension Ø 29.45 Metal nt dimension Ø 29.45 Metal nt dimension Ø 29.45 Plastic plastic	mm	45-2131.2360.000 45-2131.2390.000 45-2131.1410.000	1	0.048 k
Pushk Lens lower than front ring Pushk Lens lower than front ring Pushk Lens lover than front ring, with castellation Pushk Lens lover than front ring, with castellation	Dutton actuator, Metal silver Dutton actuator, Metal silver Dutton actuator, Plastic black Dutton actuator, Plastic black	Momentary, From Plastic blue Momentary, From Plastic white Momentary, From Plastic black Momentary, From Plastic black	nt dimension Ø 29.45 Metal At dimension Ø 29.45 Metal At dimension Ø 29.45 Plastic	mm	45-2131.2360.000 45-2131.2390.000 45-2131.1410.000	1	0.048 kg

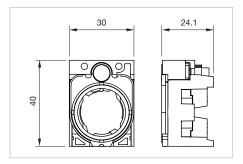
Product attribute	Front ring	Lens	Housing material	Switching action	Part No.	Wiring diagramm	Weight
Pushb	utton actuator, l	Momentary, Fror	nt dimension Ø 29.45	5 mm			
Lens lover than front ring, with castellation	Plastic black	Plastic green	Plastic	В	45-2131.1450.000	1	0.013 kg
Pushb	utton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lover than front ring, with castellation	Plastic black	Plastic blue	Plastic	В	45-2131.1460.000	1	0.013 kg
Pushb	utton actuator, I	Momentary, Fror	nt dimension Ø 29.4	5 mm			
Lens lover than front ring, with castellation	Plastic black	Plastic white	Plastic	В	45-2131.1490.000	1	0.013 kg

Switching action: B = Momentary, C = Maintain

E	E~-
Wiring diagram 1	Wiring diagram 2

Rear side

Holder for 3 elements

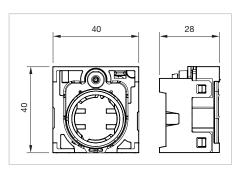


Dimensions [mm]

Material	Part No.	Compo- nent layout	Weight
0	Holder for 3 switching elements		
Plastic	45-2300.1000.000	2	0.028 kg
1	Holder for 3 switching elements		

The component layouts you will find from Page 116

Holder for 4 elements



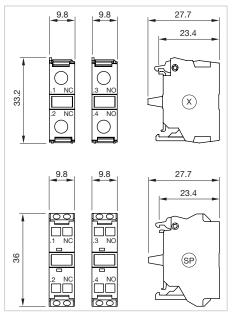
Dimensions [mm]

Material	Part No.	Compo- nent layout	Weight
0	Holder for 4 switching elements		
Plastic	45-2400.1000.000	3	0.028 kg

Material		Part No.	Compo- nent layout	Weight
	Holder for 4 switching elements			
Metal		45-2400.2000.000	3	0.046 kg

The component layouts you will find from Page 116

Switching element front mounting



Dimensions [mm] X = Screw terminal, SP = Spring-type terminal

Switching current	Contacts	Contact material	Terminal	Part No.	Wiring diagramm	Weight
	vitching element			T		
10 A	1 NO	Silver	Screw	45-311.1Z10	1	0.010 kg
10 A	1 NC	Silver	Screw	45-312.1Z10	2	0.010 kg
Sw	ritching element					
10 A	1 NO	Silver	Spring-type terminal	45-311.1Z40	1	0.010 kg
10 A	1 NC	Silver	Spring-type terminal	45-312.1 Z 40	2	0.010 kg

Product attribute	Dimension	Material	Colour	Part No.	Weight
Legend p	nlato.				
or sticking or snapping in place	27 x 12.5 mm	Plastic	black	45-573.1102	0.001 kg
			red	45-573.1202	0.001 kg
			silver	45-573.1A02	0.001 kg
or sticking or snapping in place	27 x 17.5 mm	Plastic	black	45-573.1103	0.001 kg
or sticking or snapping in place	27 x 17.5 mm	Plastic	black silver	45-573.1103 45-573.1A03	0.001 kg 0.001 kg
Legend p		Plastic			
Legend p	olate		silver	45-573.1A03	0.001 kg
Legend por sticking or snapping in place	Plate 27 x 27 mm		silver	45-573.1A03 45-573.1105	0.001 kg
Legend p Legend p ior sticking or snapping in place Legend p	Plate 27 x 27 mm		silver	45-573.1A03 45-573.1105	0.001 kg

Emergency stop legend

Additional Information

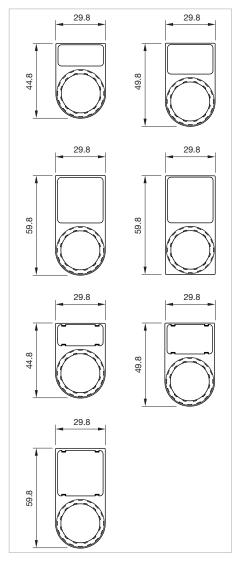
• Front panel thickness 3 mm max.

Dimension	Mounting cut-out Emergency stop leger	Marking	Colour	Product attribute	Part No.	Weight
Ø 45 x 1 mm	Ø 22.5 mm	without marking	yellow		45-50K.1407	0.005 kg
		·				
Ø 75 x 1 mm	Emergency stop leger	without marking	yellow		45-50K.1408	0.010 kg

Legend support without legend

Additional Information

• For sticking or snapping in place



Dimensions [mm]

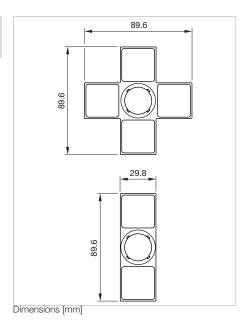
Product attribute	Material	Colour	Part No.	Weight
Legend supp	ort without legend			
for legend plate 27 x 12.5 mm	Plastic	black	45-564.1102	0.002 kg
Legend supp	ort without legend			
Legend supplifor legend plate 27 x 17.5 mm	ort without legend	black	45-567.1103	0.002 kg
for legend plate 27 x 17.5 mm	<u>-</u>	black	45-567.1103	

Product attribute	Material	Colour	Part No.	Weight
Legend s	upport without legend			
or legend plate 27 x 27 mm	Plastic	black	45-570.1105	0.002 kg
	upport without legend			
	upport without legend Plastic	black	45-564.1110	0.002 kg
or legend plate 27 x 12.5 mm Legend si	Plastic upport without legend			
for legend plate 27 x 12.5 mm Legend si	Plastic	black	45-564.1110 45-567.1111	0.002 kg
for legend plate 27 x 12.5 mm Legend so for legend plate 27 x 17.5 mm	Plastic upport without legend			

Legend support without legend for toggle stick

Additional Information

• For sticking or snapping in place



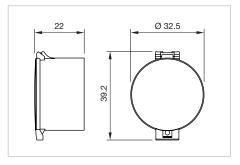
Product attribute	Material	Colour	Part No.	Weight
Legend suppo	rt without legend for toggle stic	sk		
for legend plate 27 x 27 mm	Plastic	black	45-571.1105	0.002 kg

Product attribute	Material	Colour	Part No.	Weight
Legend s	support without legend for	toggle stick		
for legend plate 27 x 27 mm	Plastic	black	45-572.1105	0.002 kg

Protective cover, IP66, IP67

Additional Information

- Hinged, with means for sealing
- Please note that bigger minimum distances are



Dimensions [mm]

Front protection Pro	Material tective cover	Colour	Optics	Part No.	Weight
IP66, IP67	Plastic	black	opaque	45-555.1100	0.012 kg
Pro	tective cover				
IP66, IP67	Plastic	colourless	transparent	45-555.1K00	0.012 kg

Protective cap, IP66, IP67

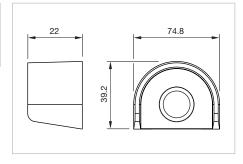
Product attribute Front protection Material Colour Optics Part No. Weight Protective cap for pushbutton							
for lens raised above bezel	IP66, IP67	Silicone	colourless	transparent	45-544.1K00	0.008 kg	
for lens flush	IP66, IP67	Silicone	colourless	transparent	45-545.1K00	0.008 kg	
Protective cap for							
for selector switch, short lever	IP66, IP67	Silicone	colourless	transparent	45-546.1K00	0.006 kg	



Emergency stop protective shroud

Additional Information

 The protection shroud is not suitable for a proper use of emergency-stop. It can obstruct a spontaneous operation of the emergency-stop



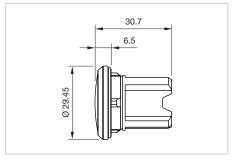
Dimensions [mm]

Material	Colour	Part No.	Weight
Emerger	ncy stop protective shroud		
Plastic	yellow	45-549.1400	0.052 kg

Blind plug, IP66, IP67

Additional Information

• Use with plastic or metal holder



Dimensions [mm]

Mounting cut-out	Material	Colour	Part No.	Weight
Blind plug				
Ø 22.5 mm	Plastic	black	45-506.1100	0.010 kg

Mounting cut-out Blind plug	Material	Colour	Part No.	Weight
Ø 22.5 mm	Metal sandgrey	silver	45-506.3A00	0.008 kg
Blind plug				
Ø 22.5 mm	Metal shiny	silver	45-506.2A00	0.038 kg

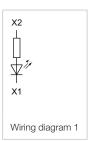
Spare key

Additional Information

• For standard lock RONIS T254

Part No.	Weight
Two spare key	
45-522.0900	0.008 kg

				Wiring diagramm	
LED colour	Operating voltage	Terminal	Part No.	≥ ≅	Weight
	umination element				
red	24 VAC/DC	Spring-type terminal	45-320.1E46	1	0.009 kg
amber	24 VAC/DC	Spring-type terminal	45-320.1F46	1	0.009 kg
yellow	24 VAC/DC	Spring-type terminal	45-320.1G46	1	0.009 kg
green	24 VAC/DC	Spring-type terminal	45-320.1H46	1	0.009 kg
blue	24 VAC/DC	Spring-type terminal	45-320.1J46	1	0.009 kg
white	24 VAC/DC	Spring-type terminal	45-320.1N46	1	0.009 kg
red	230 VAC	Spring-type terminal	45-320.1E48	1	0.010 kg
amber	230 VAC	Spring-type terminal	45-320.1F48	1	0.010 kg
yellow	230 VAC	Spring-type terminal	45-320.1G48	1	0.010 kg
green	230 VAC	Spring-type terminal	45-320.1H48	1	0.010 kg
blue	230 VAC	Spring-type terminal	45-320.1J48	1	0.010 kg
white	230 VAC	Spring-type terminal	45-320.1N48	1	0.010 kg
red	24-240 VAC/DC	Spring-type terminal	45-320.1E42	1	0.010 kg
amber	24-240 VAC/DC	Spring-type terminal	45-320.1F42	1	0.010 kg
yellow	24-240 VAC/DC	Spring-type terminal	45-320.1G42	1	0.010 kg
green	24-240 VAC/DC	Spring-type terminal	45-320.1H42	1	0.010 kg
blue	24-240 VAC/DC	Spring-type terminal	45-320.1J42	1	0.010 kg
white	24-240 VAC/DC	Spring-type terminal	45-320.1N42	1	0.010 kg

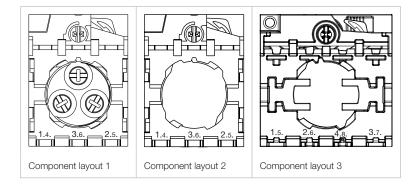


Extension plungers

Product attribute	Material	Colour	Part No.	Weight		
Extension plungers						
for pushbutton with extended stroke	Plastic	black	45-50M.1900	0.009 kg		



Drawings



Indicator actuator

Material

Actuator element

Plastic

Front ring

Plastic or metal

Actuator housing

Plastic or metal

Mechanical characteristics

Vibration resistance

according to IEC 60068-2-6 2 ... 500 Hz: 5 g

Shock resistance

according to IEC 60068-2-27 Sinusoidal half-wave 50 g /11 ms

Environmental conditions

Operating temperature

-25 °C ... +70 °C

Storage temperature

-40 °C ... +80 °C

Protection degree

IP66, IP67, IP69K

Environmental category

during operation according to IEC 60721: 3K6, 3C3,3S2, 3M6

Pushbutton actuator

Material

Actuator element

Plastic

Front ring

Plastic or metal

Actuator housing

Plastic or metal

Mechanical characteristics

Operating frequency

Lens flat/level with front bezel:

- Momentary max. 3 600/h
- Maintain max. 1 800/h

Lens flat/raised above front ring:

- Momentary max. 3 600/h
- Maintain max. 1 800/h

Lens flat/lower than front ring:

- Momentary max. 3 600/h

Lens flat/lower than front ring, with castellation:

- Momentary max. 3 600/h

Mechanical lifetime

Lens flat/level with front bezel:

- Momentary 10 000 000 switching cycles
- Maintain 500 000 switching cycles

Lens flat/raised above front ring:

- Momentary 10 000 000 switching cycles
- Maintain 500 000 switching cycles

Lens flat/lower than front ring:

- Momentary 10 000 000 switching cycles

Lens flat/lower than front ring, with castellation:

- Momentary 10 000 000 switching cycles

Vibration resistance

according to IEC 60068-2-6 20 ... 500 Hz: 5 g

Shock resistance

according to IEC 60068-2-27 Sinusoidal half-wave 50 g /11 ms

Environmental conditions

Operating temperature

−25 °C ... +70 °C

Storage temperature

-40 °C ... +80 °C

Protection degree

IP66, IP67, IP69K

Environmental category

during operation according to IEC 60721: 3K6, 3C3,3S2, 3M6

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Storage temperature

-40 °C ... +80 °C

Protection degree

IP66, IP67, IP69K

Environmental category

during operation according to IEC 60721: 3K6, 3C3,3S2, 3M6

Slow-make switching element

Switching system

The double-break, slow-make switching element is equipped with normally open or normally closed contact. The normally closed contact has forced opening. Slow-make contacts with forced action are ideal for high switch ratings. Up to six switching elements can be snapped to each holder.

The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). Activation (= NC contacts on the non-actuated commanding device are closed) takes place upon first-time actuation after the contact block is snapped onto the actuator.

Material

Material of contact

Silver alloy

Housing

Plastic

Mechanical characteristics

Terminals

Screw terminal

- Solid 2 x (1.0 ... 1.5 mm²)
- With end sleeves 2 x (0.5 ... 0.75 mm²)
- Finely stranded
- Without end sleeves 2 x (0.5 ... 0.75 mm²)
- With end sleeves 2 x (0.5 ... 1.5 mm²)
- For AWG cables for auxiliary contacts 2 x (18 ... 14)

Spring-type terminal (SP)

- Solid 2 x (0.25 ... 1.5 mm²)
- Finely stranded
- Without end sleeves 2 x (0.5 ... 1.5 mm²)
- With end sleeves 2 x (0.5 ... 0.75 mm²)
- For AWG cables for auxiliary contacts 2 x (24 ... 16)

Tightening torque

Screw terminal, spring-type terminal 0.8 ... 0.9 Nm

Operating frequency

max. 3 600/h

Mechanical lifetime

10 000 000 switching cycles

Vibration resistance

according to IEC 60068-2-6 2 ... 500 Hz: 5 g

Shock resistance

according to IEC 60068-2-27 Sinusoidal half-wave 50 g /11 ms

Electrical characteristics

Standards

The switches comply with the "Standards for low-voltage switching devices" EN IEC 60947-5-1

Thermal current

10 A

Insulation voltage

Rated value 500 V

Pollution degree

3

Surge voltage resistance

Rated value 6 kV

Contact reliability

One contact failure per 100 million switching operations (17 V, 5 mA)

One contact failure per 10 million switching operations (5 V, 1 mA)

400 V

0.3 A

500 V 0.2 A

Operating voltage

at AC

- Rated value 5 ... 500 V

at DC

- Rated value 5 ... 500 V

Operating current

at AC-12 Voltage Current	24 V 10 A	230 V 10 A	500 V 10 A	
at AC-15 Voltage Current	24V 6 A	230 V 6 A	400 V 3 A	500 V 1.4 A
at DC-12 Voltage Current	24 V 10 A	48 V 5 A	110 V 2.5 A	230 V 1 A