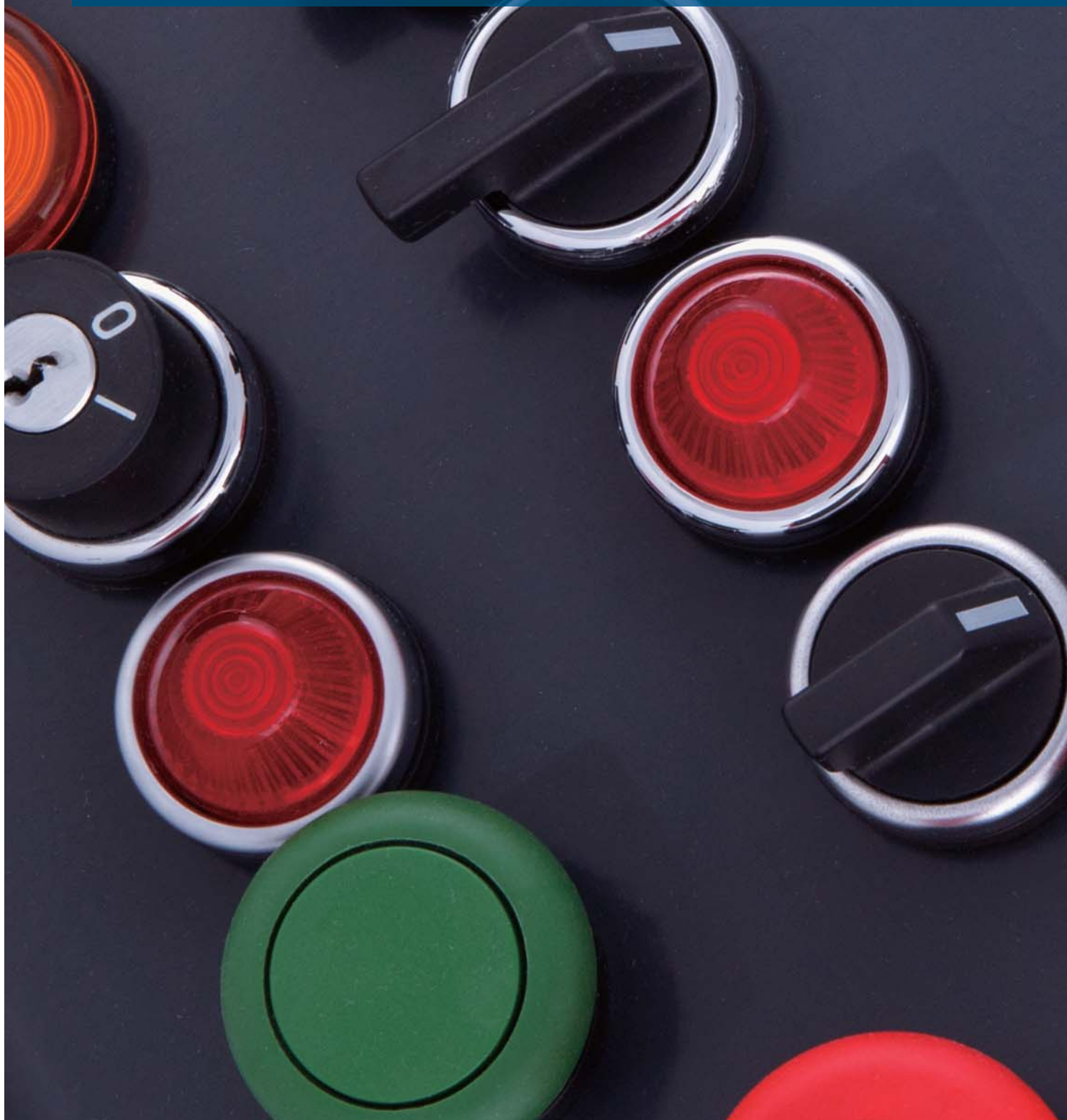


Pushbutton and Indicating Light A22

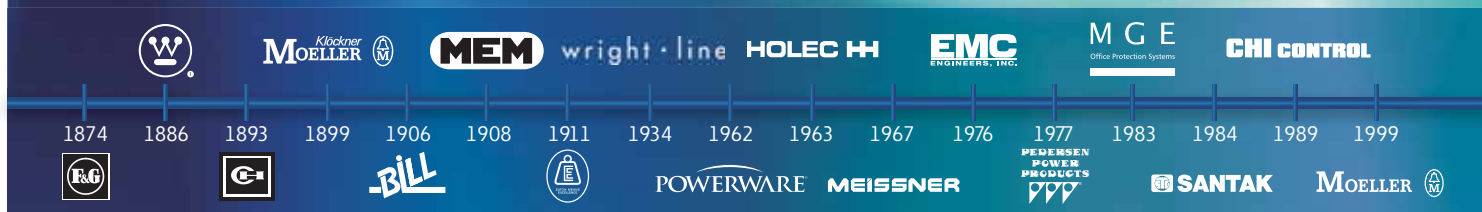


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Pushbutton and indicating light A22



Pushbutton and indicating light A22

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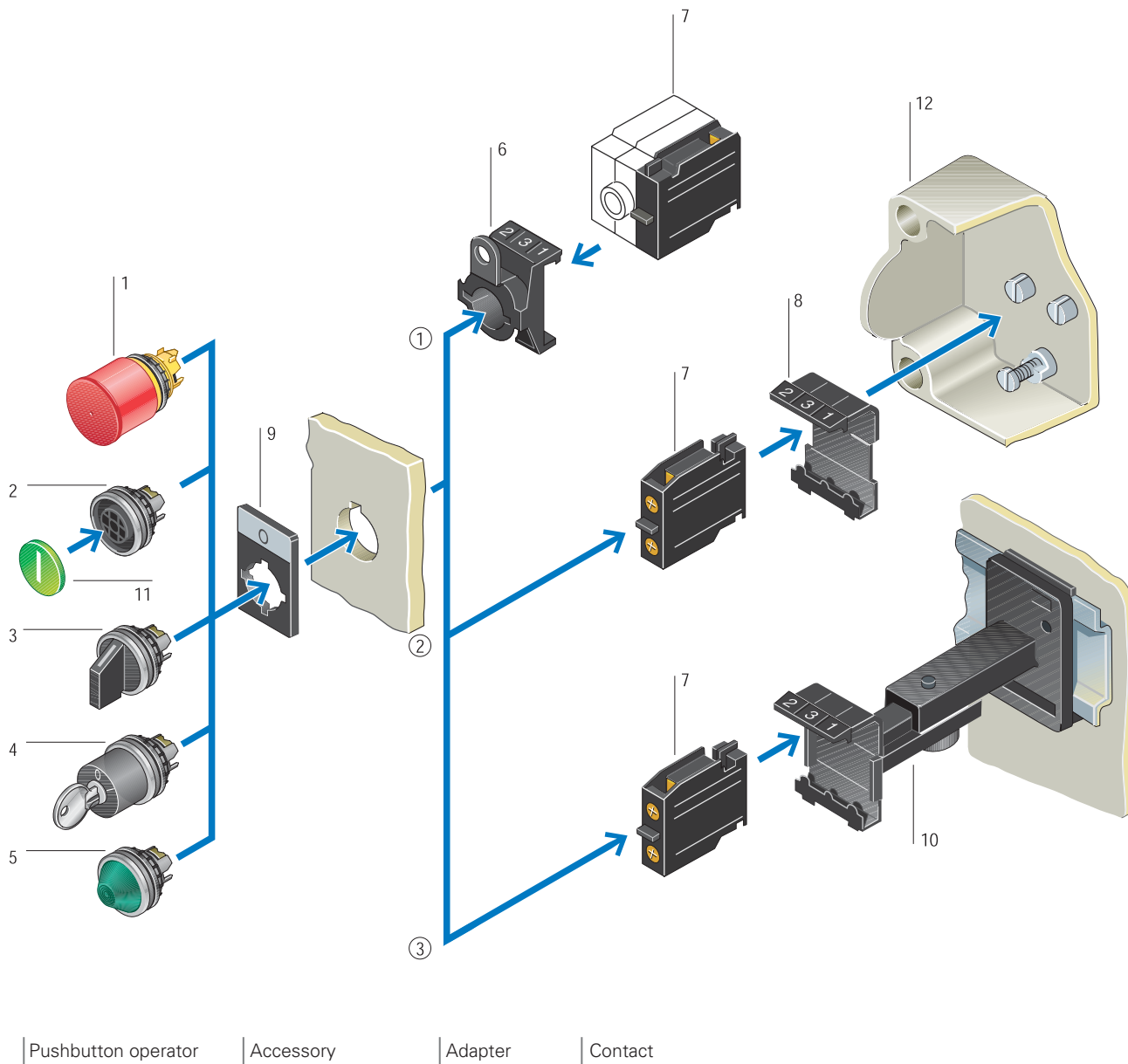
Pushbutton and indicating light A22

- In accordance with IEC/EN 60947 and VDE0660
- Modular structure is suitable for different application requirements
- They can be mounted without any need for tools
- Contact blocks are finger touch safe
- Up to 6 contact blocks can be mounted on each mounting location



Pushbutton and Indicating Light A22

System overview



A22 can be mounted in three ways to meet different mounting requirements.

- ① **Flush mounting** – Take the mounting and control station as an example. Use front mounting adapters to fasten front components and functional parts
- ② **Surface mounting** – To be mounted onto the insulation enclosure. Use bottom mounting adapters to fasten breaker components.
- ③ **Rear mounting** – Use bottom mounting adapters to get installed into the control cabinet door. In this case, telescopic clips are needed for adjusting cabinet depth. Use center adapters to make sure that all pushbutton parts are connected together when the cabinet door is closed.

Emergency stop operator 1

Additional legend plate with or without legends

See Page 5

Pushbutton operator 2

Spring-return and self locking

Flush operator

Mushroom head operator

Double operator, Illuminated pushbutton with transparent button lens

Color: white, green, red, yellow, blue

See Page 6

Selector switch operator 3

Two positions and three positions

With thumb grip, Programmable spring-return/self locking functions

Color: white, green, red, yellow, blue

See Page 7

Key operated selector switch operator 4

Two positions or three positions

Programmable spring-return/self locking functions and key withdrawable locations

See Page 7

Illuminated operator/indicating light 5

Flush and conical designs

For filament bulbs, neon bulbs and LED

elements, Color: white, green, red,

yellow, blue. See Page 8

Mounting Adaptor 6

For front mounting

For contact blocks and lamp socket blocks

See Page 9

Contact block 7

With one or two contacts, Universal

contact suitable for electronic circuits

Safety function by compulsory opening

according to IEC/EN 60947-5-1

See Page 9

Lamp socket block 7

For filament bulb, neon bulb and LED

elements. Built-in bulb test function

See Page 10

Mounting adapter 8

For surface mounting and rear mounting

For contact mounting and lamp socket

mounting, See Page 9

Legend plate 9

For button lens

Color: Grey or black

Aluminum button lens, with or without

legends, See Page 12

Telescopic clip 10

For adjusting mounting depth for rear mounting devices in CI enclosures and control cabinets

For mounting depth 125-157mm

See Page 13

Button plate/button lens 11

Anti-wear button plate, for pushbutton, selector switch and double operator

Transparent button lens, for illuminated pushbutton and flush indicating light

With symbol legends

See Page 11

Enclosure 12

IP65

Up to 5 mounting locations

See Page 12

Product features

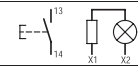
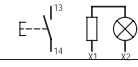
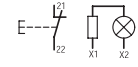
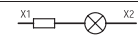
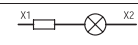
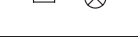
- Modular structure with snap fitting
- Circular shape
- Chrome plated front ring

- Mounting diameter : 22.3mm
- Minimum grid dimension: 30x40mm (H*W)
- Degree of protection:IP65

- Up to 6 pairs of contacts per mounting location
- Applicable for different voltages

Pushbutton and Indicating Light A22

Complete pushbutton units for flush mounting

	Button plate	Contact configuration ☞=safety function, by compulsory switching to IEC/EN 60947-5-1 N/O = Normally open N/C= Normally closed	Contact sequence	Color Pushbutton Illuminated pushbutton Indicating light	Part No. Article No.	Standard. Package
Pushbutton , IP65						
Flush operator						
		1 N/O		—	A22-RD-11/K10 261366	5 pieces
		1 N/C ☞		—	A22-RD-10/K01 261368	5 pieces
		1 N/O 1 N/C ☞		—	A22-RD-11/K11 254405	5 pieces
		1 N/O 1 N/C ☞		—	A22-RD-10/K11 254406	5 pieces
		1 N/O 1 N/C ☞		—	A22-RD-01/K11 9000060600051	5 pieces
		1 N/O 1 N/C ☞		—	A22-RD-03/K11 9000060600052	5 pieces
		1 N/O 1 N/C ☞		—	A22-RD-04/K11 9000060600053	5 pieces
Mushroom head operator, IP65						
		1 N/O	—	—	A22-RP-GN11/K10 254407	5 pieces
Illuminated double operator, IP65						
White scattering lens, with 24V filament bulb						
	  	1 N/O 1 N/C ☞		—	A22-QDDL-11/10/K11/F 254408	5 pieces
Key-release mushroom head operator, IP65						
With 2 keys , independent locking mechanism KMS1						
	—	1 N/C ☞			A22-RPSR/K01 254409	5 pieces
Illuminated pushbutton, IP65						
Flush design with filament bulb BA 9s, 2.4 W/130 V external voltage 230V						
	—	1 N/O			A22-RLT-WS/K10/FR 254410	5 pieces
	—	1 N/O			A22-RLT-GN/K10/FR 254411	5 pieces
	—	1 N/C ☞			A22-RLT-RT/K01/FR 254412	5 pieces
Indicating lights , IP65						
Conical design, with filament bulb BA 9s, 2.4 W/130 V external Voltage 230V						
	—	—			A22-RL-WS/FR 254413	5 pieces
	—	—			A22-RL-GN/FR 254414	5 pieces
	—	—			A22-RL-RT/FR 254415	5 pieces
	—	—			A22-RL-GE/FR 254416	5 pieces

Pushbutton and Indicating Light A22

Complete pushbutton units for surface mounting

	Mounting locations	Contact configuration ☞=safety function, by compulsory switching to IEC/EN 60947-5-1 N/O = Normally open N/C= Normally closed	Contact sequence	Color of pushbutton enclosure	Part No. Article No.	Standard. Package
	1	1 N/O	1 N/C ☞		A22-RD-11/KC/I 254417	1 pieces
	1	1 N/O	1 N/C ☞		A22-RD-10/KC/I 254418	1 pieces

	Applicable for	Color	Part No. Article No.	Standard. Package
	24V AC/DC		A22-LCLED24-W 108186	10 pieces
			A22-LCLED24-R 108187	10 pieces
			A22-LCLED24-G 108188	10 pieces
			A22-LCLED24-Y 108189	10 pieces
			A22-LCLED24-B 108190	10 pieces
	110V AC/DC		A22-LCLED110-W 108191	10 pieces
			A22-LCLED110-R 108192	10 pieces
			A22-LCLED110-G 108193	10 pieces
			A22-LCLED110-Y 108194	10 pieces
			A22-LCLED110-B 108195	10 pieces
	220V AC/DC		A22-LCLED220 116040	10 pieces
			A22-LCLED220 116039	10 pieces
			A22-LCLED220 116038	10 pieces
			A22-LCLED220 116041	10 pieces
			A22-LCLED220 116037	10 pieces
	380V AC		A22-LCLED380AC-W 108206	10 pieces
			A22-LCLED380AC-R 108207	10 pieces
			A22-LCLED380AC-G 108208	10 pieces
			A22-LCLED380AC-Y 108209	10 pieces
			A22-LCLED380AC-B 108210	10 pieces

Selector switch

	60°	1 N/O	1 N/C ☞		A22-RWKIR/K11 9000060600050	5 pieces
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Pushbutton and Indicating Light A22

Complete units for emergency stop switch, emergency stop operator, emergency stop plate

Contact configuration →=safety function, by compulsory switching to IEC/EN 60947-5-1 N/O = Normally open N/C= Normally closed	Contact sequence	Button color	Part No. Article No.	Standard package.
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Complete emergency stop switch units for surface mounting, IP65

Emergency stop pushbutton, tamper-proof to ISO 13850/EN 418

Pull to reset, maximum number of mountable contact blocks: 3 x A22-EK...C

	1N/O	1N/C			A22-RPV/KC/I 254419	1 pieces
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Emergency stop operator (pull to reset), IP65

Maximum number of mountable contact blocks: 2 x A22-EK...; 2 x A22-EC...;
3 x A22-EK...C

		—			A22-RPV 254427	5 pieces
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Emergency stop operator (turn to reset), IP65

Maximum number of mountable contact blocks: 2 x A22-EK...; 2 x A22-EC...;
3 x A22-EK...C

					A22-E-STOP HEADER 1433001010226	5 pieces
--	--	--	--	---	---	----------

Key-release emergency stop mushroom head operator, IP65

With 2 keys

Individual locking mechanism KMS1

Master key

		—			A22-RPSR 254426	5 pieces
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Description	Language	Color	Part No. Article No.	Standard package.
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Emergency stop pushbutton plate, IP65

	N/A			A22-1AK 254497	10 pieces
EMERGENCY STOP	English			A22-1AK-299 254498	10 pieces

Pushbutton and Indicating Light A22

Pushbutton operators, double operator, mushroom head operator

	Button plate/mushroom head symbol	Color	Part No. Article No.	Part No. Article No.	Standard package.
Pushbutton operator, IP65					
		—	Spring return A22-RD-11 254420	Self locking A22-RDR-11 90000060600007	10 pieces
		—	A22-RD-10 254421	A22-RDR-10 90000060600008	10 pieces
		—	A22-RD-01 92406700000030	A22-RDR-01 90000060600009	10 pieces
		—	A22-RD-03 92406700000028	A22-RDR-03 90000060600010	10 pieces
		—	A22-RD-04 92406700000029	A22-RDR-04 90000060600011	10 pieces
	N/A	—	A22-RD-X 254422	A22-RDR-X 90000060600012	10 pieces

	Button plate/mushroom head symbol	Color	Part No. Article No.	Standard package.
Double operator, IP65				
		—	A22-QDDL-11 /10 254423	5 pieces
		—		
		—	A22-QDDL-11 /11 90000060600010	5 pieces
		—	A22-QDDL-01 /01 90000060600049	5 pieces

Mushroom head operator, IP65				
Spring return				
			A22-RP-GN11 254424	5 pieces
			A22-RP-RT10 254425	5 pieces

Raised head operator, IP65				
Spring return				
			A22-RHD-GN11 90000060600013	5 pieces
			A22-RHD-RT10 90000060600014	5 pieces
			A22-RHD-SW01 90000060600015	5 pieces
	N/A		A22-RHD-GNX 90000060600016	5 pieces
	N/A		A22-RHD-RTX 90000060600017	5 pieces
	N/A		A22-RHD-SWX 90000060600018	5 pieces

Pushbutton and Indicating Light A22

Select switch operator, key-operated switch operator

	Function		Key withdrawable position	Color.	Part No. Article No.	Standard package.			
Selector switch operator, IP65									
Two positions									
With thumb grip									
		60°		●	A22-RWK1R 254428	5 pieces			
		45°		●	A22-RWK1 254429	5 pieces			
With long grip									
		60°		●	A22-RWH1R 111728	5 pieces			
		45°		●	A22-RWH1 111727	5 pieces			
		90°		●	A22-RWH1V 111729	5 pieces			
Self locking, not changeable with coding adapter		90°		●	A22-RWK1V 261369	5 pieces			
									
Three positions									
With thumb grip									
	60°		60°	●	A22-RWK3R 254430	5 pieces			
	45°		45°	●	A22-RWK3 254431	5 pieces			
With long grip									
	60°		60°	●	A22-RWH3R 111744	5 pieces			
	45°		45°	●	A22-RWH3 111743	5 pieces			
	60°		45°	●	A22-RWH3R1 111745	5 pieces			
	45°		60°	●	A22-RWH3R2 111746	5 pieces			
Selector switch operator, IP65									
Two positions									
Individual lock mechanism, master key, with 2 keys									
Self locking/spring return function and key withdrawable positions can be set and changed by coding adapter A22-SP-RMQ. Lock mechanism KMS1.									
		60°	I	0	—	A22-RS 254432	5 pieces		
		45°		0		A22-RS-KMS1-A2 92406700000031	5 pieces		
Three positions									
Individual lock mechanism, master key, with 2 keys									
2 contact blocks can be mounted. Self locking/spring return function and key withdrawable positions can be set and changed by coding adapter A22-SP-RMQ.									
	60°		60°	I	0	I I	—	A22-RS3 254433	5 pieces
	45°		45°		0		—	A22-RS3-KMS1-A4 254434	5 pieces

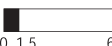
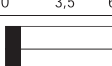
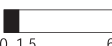
Pushbutton and Indicating Light A22

Illuminated operator, indicating light

	Color.	Part No. Article No.	Standard package.	
Illuminated operator, IP65				
Front ring chromium plated				
Flush				
Spring return				
		A22-RLT-WS11 254435	10 pieces	
		A22-RLT-WS 254436	10 pieces	
		A22-RLT-GN 254437	10 pieces	
		A22-RLT-RT 254438	10 pieces	
		A22-RLT-GE 254439	10 pieces	
		A22-RLT-BL 92404700000050	10 pieces	
Self locking				
ower with indicating light: up to 1.2W				
		A22-RLTR-WS 254445	5 pieces	
		A22-RLTR-GN 254446	5 pieces	
		A22-RLTR-RT 254447	5 pieces	
		A22-RLTR-GE 254448	5 pieces	
Raised head				
		Spring return	Self locking	
		A22-RLTH-WS11 254440	A22-RLTHR-WS11 9000060600001	10 pieces
		A22-RLTH-WS 254441	A22-RLTH R-WS 9000060600002	10 pieces
		A22-RLTH-GN 254442	A22-RLTHR-GN 9000060600003	10 pieces
		A22-RLTH-RT 254443	A22-RLTH R-RT 9000060600004	10 pieces
		A22-RLTH-GE 254444	A22-RLTHR-GE 9000060600005	10 pieces
			A22-RLTHR-BL 9000060600006	10 pieces
Indicating light, IP65				
Flush				
Without front ring				
		A22-RLF-WS 262645	10 pieces	
		A22-RLF-GN 262653	10 pieces	
		A22-RLF-RT 262654	10 pieces	
		A22-RLF-GE 262655	10 pieces	
		A22-RLF-BL 262656	10 pieces	
Conical				
Front ring chromium plated				
		A22-RL-WS 254449	25 pieces	
		A22-RL-GN 254450	25 pieces	
		A22-RL-RT 254451	25 pieces	
		A22-RL-GE 254452	25 pieces	

Pushbutton and Indicating Light A22

Mounting adapter, contact block

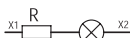
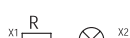
Contacts M=normally open, B=normally closed ⊞= safety function by compulsory switching to IEC/EN 60947-5-1	Contact sequence	Circuit diagram	Configuration	Part No. Article No.	Standard package.					
Mounting adapte										
Flush mounting										
For A22-EK, A22-EC, A22-EF(R), contact block and lamp socket block										
Serial number on mounting adapters										
	—	—	<table><tr><td>1/2</td><td>5/6</td><td>4/3</td></tr></table>	1/2	5/6	4/3	A22-BE6 254453	10 pieces		
1/2	5/6	4/3								
Surface/rear mounting										
For A22-E...C contact block										
Serial number on mounting adapters										
	—	—	<table><tr><td>2</td><td>3</td><td>1</td></tr></table>	2	3	1	A22-BE3C 254461	25 pieces		
2	3	1								
Contact block										
Flush mounting										
One contact										
For A22-BE6 and A22-BE3C mounting adapters										
	1M			<table><tr><td>1/4</td><td>3/6</td><td>2/5</td></tr></table>	1/4	3/6	2/5	A22-EK10 254454	20 pieces	
1/4	3/6	2/5								
	1B ⊞			<table><tr><td>1/4</td><td>3/6</td><td>2/5</td></tr></table>	1/4	3/6	2/5	A22-EK01 254455	20 pieces	
1/4	3/6	2/5								
Two contacts										
For A22-BE6 mounting adapter										
	1M	1B ⊞			<table><tr><td>1/2</td><td>5/6</td><td>4/3</td></tr></table>	1/2	5/6	4/3	A22-EC11 254456	10 pieces
1/2	5/6	4/3								
	2M				<table><tr><td>1/2</td><td>5/6</td><td>4/3</td></tr></table>	1/2	5/6	4/3	A22-EC20 254457	10 pieces
1/2	5/6	4/3								
	2B ⊞				<table><tr><td>1/2</td><td>5/6</td><td>4/3</td></tr></table>	1/2	5/6	4/3	A22-EC02 254458	10 pieces
1/2	5/6	4/3								
Surface/rear mounting										
One contact										
For A22-BE3C mounting adapters										
	1M				<table><tr><td>2</td><td>3</td><td>1</td></tr></table>	2	3	1	A22-EK10C 254462	20 pieces
2	3	1								
	1B ⊞				<table><tr><td>2</td><td>3</td><td>1</td></tr></table>	2	3	1	A22-EK01C 254463	20 pieces
2	3	1								

Configuration explanation: Configuration for mounting adapters with sequence numbers is in accordance with EN50013

$\begin{matrix} |_{xy} \\ |_{xy} \end{matrix}$ X=Position number on mounting adapters
Y=Position number on contact blocks

Pushbutton and Indicating Light A22

Lamp socket block

	Bulb voltage	Bulb voltage, resistance	Configuration	Part No. Article No.	Standard package.						
Lamp socket block BA 9s Without bulb; for A22-BE6 and A22-BE3C mounting adapters											
Flush mounting For filament bulbs, neon bulbs or LED elements											
		⊗ max. 2W	<table><tr><td>1</td><td>3</td><td>2</td></tr><tr><td></td><td></td><td></td></tr></table>	1	3	2				A22-E F 254459	10 pieces
1	3	2									
		⊗ max. 2.4W, R=7.5kΩ	<table><tr><td>1</td><td>3</td><td>2</td></tr><tr><td></td><td></td><td></td></tr></table>	1	3	2				A22-EFR 254460	10 pieces
1	3	2									
Surface/rear mounting For 130V filament bulb, connecting to 110V-130V voltage											
		⊗ max. 2W	<table><tr><td>2</td><td>3</td><td>1</td></tr><tr><td></td><td></td><td></td></tr></table>	2	3	1				A22-EFC 254464	10 pieces
2	3	1									
		⊗ max. 2.6W, R=6.8kΩ	<table><tr><td>2</td><td>3</td><td>1</td></tr><tr><td></td><td></td><td></td></tr></table>	2	3	1				A22-EFRC 254465	10 pieces
2	3	1									

	Applicable for	Color	Part No. Article No.	Standard package.
Filament bulb BA 9s Maximum length 28mm, 10mm				
	110...130 V/2.4W	—	A22-G L130 261361	100 pieces
	24 V/2.0W	—	A22-G L24 261360	100 pieces
LED elements BA 9s AC and DC voltage, (positive pole connected to X1) Avoid polarity reverse, with built-in suppression circuit up to 1500V ,10000h				
	18...30 V AC/DC 15mA		A22-LED-W 261362	10 pieces
			A22-LED-R 261364	10 pieces
			A22-LED-G 261363	10 pieces
			A22-LED-Y 261365	10 pieces
	240 V AC/DC		A22-LED230-BA9S-W 111509	
			A22-LED230-BA9S-R 111510	
			A22-LED230-BA9S-G 111511	
			A22-LED230-BA9S-Y 111512	
			A22-LED230-BA9S-B 111513	

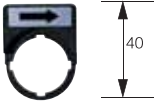
Pushbutton and Indicating Light A22

Accessory

	Symbol color	Part No. Article No.	Standard package.
Legend plate			
Symbol In accordance with DIN 30600			
Stop		A22-10T 254472	25 pieces
Start		A22-11 T 254473	25 pieces
Start		A22-12T 254474	25 pieces
Start		A22-13T 254475	25 pieces
Start		A22-14T 254478	25 pieces
Stop or OFF		A22-19T 254479	25 pieces
Start or make		A22-20T 254480	25 pieces
Increase		A22-37T 254481	25 pieces
Decrease		A22-38T 254482	25 pieces
Directional change		A22-32T 254483	25 pieces
Blank			
		A22-01T 254466	25 pieces
		A22-02T 254467	25 pieces
		A22-03T 254468	25 pieces
		A22-04T 254469	25 pieces
		A22-05T 254470	25 pieces
		A22-06T 254471	25 pieces

Pushbutton and Indicating Light A22

Accessory

	Symbol	Color	Part No. Article No.	Standard package.
Legend plate with button lens				
	→	—	A22-RAS-32 254488	25 pieces
	←	—	A22-RAS-33 254489	25 pieces
	O I	—	A22-RAS-90 254490	25 pieces
	I O II	—	A22-RAS-93 254491	25 pieces
	O I	—	A22-RAS-98 254492	25 pieces
	STOP	—	A22-RAS-110 254493	25 pieces
	START	—	A22-RAS-111 254494	25 pieces
	MAN./AUTO	—	A22-RAS-395 254495	25 pieces
	MAN. O AUTO	—	A22-RAS-397 254496	25 pieces

Legend plate without button lens					
Type No: A...	W × H : 30×40mm	—	●	A22-RAS-X 254486	25 pieces
	W × H : 30×50mm	—	●	A22-RBS-X 271391	25 pieces

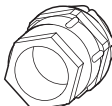
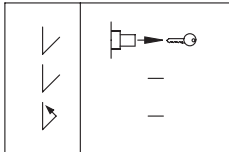
Button lens					
Aluminum panel, inscriptive, printable					
	W × H : 30×10mm	—	—	A22-XA 254487	100 pieces
	W × H : 30×20mm	—	—	A22-XB 90000060216480	100 pieces

	Mounting locations	Cable entry knockouts		Number of bulbs mounted simultaneously	Color	Part No. Article No.	Price See pricelist	Standard package.
Aluminum panel, inscriptive, printable		Bottom Qty*M...	Sides Qty*M...	Quantity				

Flush mounting pushbutton enclosure IP65								
	For emergency stop switch	1	1 x 13.5	3 x 16	-	●	A22-IGE1M 254499	1 pieces
		1	1 x 13.5	3 x 16	1	●	A22-11M 254500	1 pieces
		2	2 x 13.5	3 x 16	2	●	A22-12M 254501	1 pieces
		3	3 x 13.5	4 x 16	2	●	A22-13M 254502	1 pieces
		4	4x 13.5	4x 16	3	●	A22-14M 254503	1 pieces
		5	5x 13.5	4x 16	4	●	A22-15M 255802	1 pieces

Pushbutton and Indicating Light A22

Accessory

	Applicable for	Color	Part No. Article No.	Standard package.
Blanking plugs For closing off spare mounting locations				
	Round		M 22-B 216388	50 pieces
Telescopic clip For adjusting the mounting depth of rear mounting devices in CI enclosure and panels with a mounting depth of 125-157mm. Stepless adjustment of 64-95mm by rulers, screw fixing and snap fitting. Us A22-BE3C mounting adaptor to fasten rear components. Maximum of 10 A22-TC-RMQ per CI enclosure, 5 of which can hold self locking operators. Do not use in conjunction with emergence stop operators.				
		—	A22-TC-RMQ 254504	5 pieces
Cable glands PG13.5 IP68,69K Cable diameter 6-12mm				
	—	—	STBZ13,5 036307	20 pieces
Box spanner				
	Internal threaded ring; can be fitted on electric screwdriver, for use in A22 or M22 series pushbutton	—	M22-MS 216402	5 pieces
Set of coding adapters For setting and changing self locking/spring return functions and key withdrawable locations; it includes two parts				
			A22-SP-RMQ 254507	5 pieces
			A22-SP-RMQ 254507	5 pieces
			A22-SP-RMQ 254507	5 pieces
Symbol indication:  locked  Spring return				

Pushbutton and Indicating Light A22

Technical data

Unit			Pushbutton , Mushroom head operator	Double operator ¹⁾	Selector switch	Key release switch
Overview						
Standards			IEC/EN 60947, VDE 0660			
Mechanical life	Operations	x 10 ⁶	>5	>2	>1	>1
Operating frequency	Operations/h		≤ 6000	≤ 6000	≤ 2000	≤ 1 000
Actuating force		N	≤ 5	≤ 5	-	-
Protection level			IP65	IP65	IP65	IP65
Climatic protection			Damp heat, constant, according to IEC60068-2-78			
			Damp heat, cycled, according to IEC 60068-2-30			
Ambient temperature						
Open			-25/60	-25/60	-25/60	-25/60
Closed			-25/40	-25/40	-25/40	-25/40
Mounting position			As required	As required	As required	As required
Mechanical shock resistance,		g	>30	>30	>30	>30
Shock duration 11ms						
Note:			1) Technical data applicable only for  up to 1.2W			

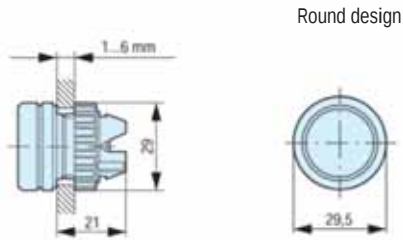
Unit			Indicating light	Illuminated operator, self locking ²⁾	Key release mushroom head operator	Emergency stop switch
Standards			IEC/EN 60947, VDE 0660			
Mechanical life	Operations	x 10 ⁶	>3	>3 ³⁾	>1	>1
Operating frequency	Operations/h		-	≤ 6000	≤ 100	≤ 600
Actuating force		N	≤ 5	≤ 5	≤ 7	≤ 50
Protection level			IP65	IP65	IP65	IP65
Climatic protection			Damp heat, constant, according to IEC60068-2-78			
			Damp heat, cycled, according to IEC 60068-2-30			
Ambient temperature						
Open			-25/60	-25/60	-25/60	-25/60
Closed			-25/40	-25/40	-25/40	-25/40
Mounting position			As required	As required	As required	As required
Mechanical shock resistance,		g	-	>30	>30	>30
Shock duration 11ms						
Note:			2) Technical data applicable only for  up to 1.2W			
			3) A22-RLTR mechanical life: 0.3X10 ⁶			

Pushbutton and Indicating Light A22

Technical data

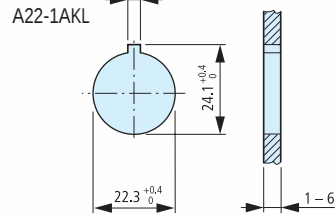
			Unit	Contact block	Lamp socket block
Overview					
Standards				IEC/EN 60947, VDE 0660	
Mechanical life	Operations		x 10 ⁶	>10	-
Operating frequency	Operations/h			≤ 6000	-
Actuating force			N	≤ 5 A22-EC11: ≤ 7.3 A22-EC20: ≤ 9 A22-EC02: ≤ 5,5	-
Protection level				IP20	IP20
Climatic protection				Damp heat, constant, according to IEC60068-2-78 Damp heat, cycled, according to IEC 60068-2-30	
Ambient temperature					
Open				-25/60	-25/60
Closed				-25/40	-25/40
Mounting position				As required	As required
Shock duration 11ms			g	>30	>30
Wiring cross section					
Single conductor					
Stranded cord				0.75 - 2.5	0.75 - 2.5
Contact				0.5 - 1.5	0.5 - 1.5
Rated impulse withstand voltage					
Rated insulation voltage	U		VAC	6000	4000
Overvoltage category/pollution degree	U		V	500	250
Control circuit reliability				III/3	III/3
At 5V DC/1 mA					
			H _F	<5x10 ⁻⁶ 5x10 ⁶ operations, <1 fault	
At 24V DC/5 Ma					
			H _F	<10 ⁻⁷ 10 ⁷ operations, <1 fault	
Max. short-circuit protective device					
Fuseless			TYPE	PKZM0-10/FAZ-B6	-
Fuse		gG/gL	A	10	-
Switching capacity					
Rated operational current					
AC-15					
115V	I		A	6	-
230V	I		A	6	-
400 V	I		A	4	-
500 V	I		A	2	-
DC-13					
24 V	I		A	3	-
60V	I		A	3	-
110V	I		A	0.8	-
220V	I		A	0.3	-
Electrical lifespan					
AC - 15					
230 V/0.5 A	Operations		x 10 ⁶	1.6	-
230 V/1.0 A	Operations		x 10 ⁶	1	-
230 V/3.0 A	Operations		x 10 ⁶	0.7	-
DC - 13					
12 V/2.8 A	Operations		x 10 ⁶	1.2	-

Pushbutton and indicating light



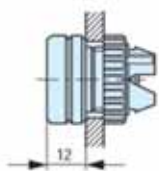
Cutout dimensions

Emergency stop button plate

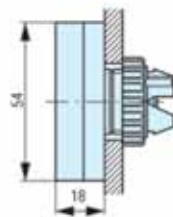


Pushbutton

A22-RD-...

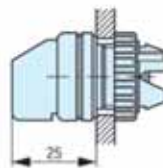


A22-QDDL-...



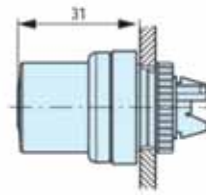
Selector switch

A22-RWK-...



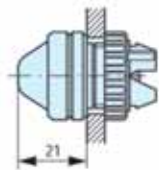
Key release switch

A22-RS-...

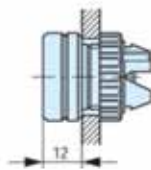


Indicating light

A22-RL-...



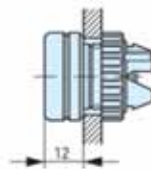
A22-RLF-...



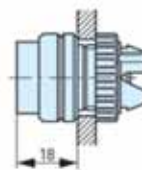
Illuminated operator

A22-RLT-...

A22-RLTR-...

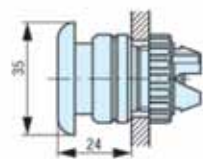


A22-RLTH-...

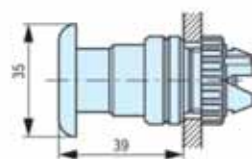


Key release mushroom head operator

A22-RP-...

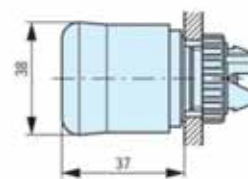


A22-RPSR-...

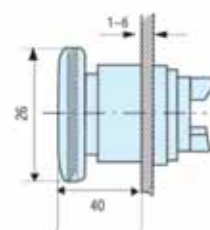


Emergency stop switch

A22-RPV



A22-E-STOP HEADER



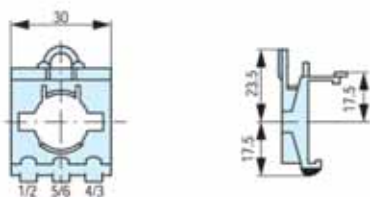
Pushbutton and Indicating Light A22

Dimensions

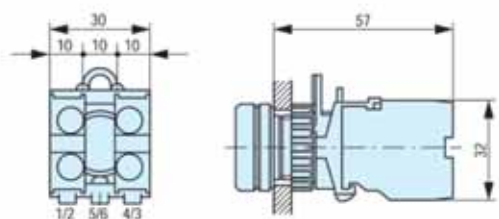
Front fixing (Type: flush mounting)

Mounting adapter

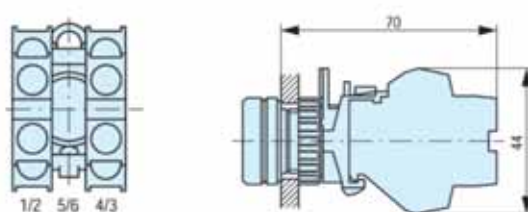
A22-BE3



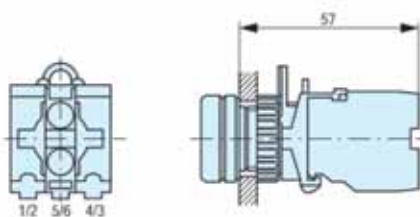
Pushbutton with A22-EK...



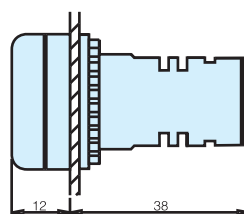
Pushbutton with A22-EC...



Indicting light/illuminated operator



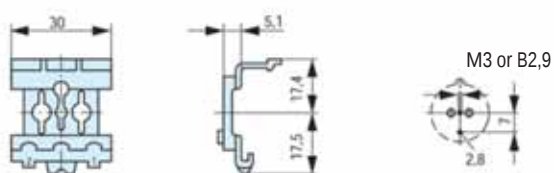
Compact design indicating light A22-LCLED



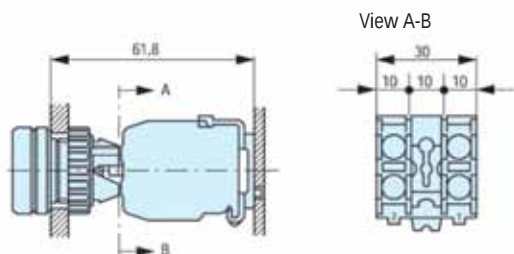
Rear fixing (Type: surface/rear mounting)

Mounting adapter

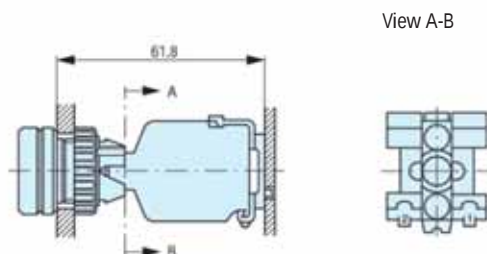
A22-BE3C



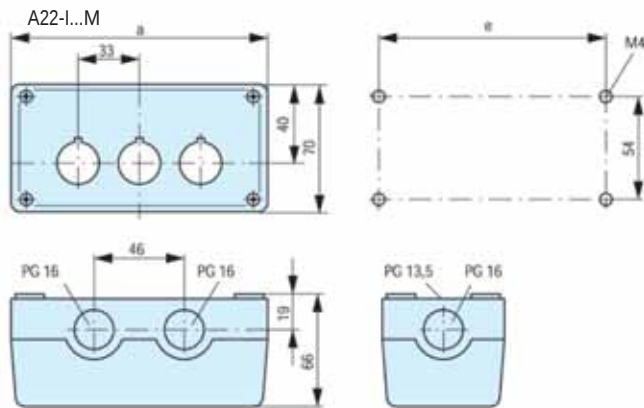
Pushbutton



Indicating light/illuminated operator



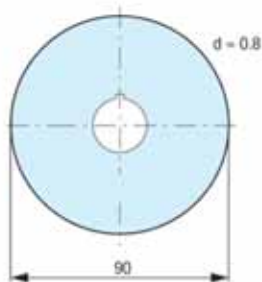
Rear fixing (surface mounting) Surface mounting pushbutton enclosure



Type No	Mounting locations			Knockouts
	Number	a	e	
A22-I (GE) 1 M	1	72	54	3 x PG 16 1 x PG 13,5
A22-I 2M	2	120	100	3 x PG 16 2 x PG 13,5
A22-I 3M	3	153	133	4 x PG 16 2 x PG 13,5
A22-I 4M	4	186	166	4 x PG 16 2 x PG 13,5
A22-I 5M	5	219	200	4 x PG 16 2 x PG 13,5

Emergency stop button plate

A22-1AKL



Pushbutton and Indicating Light A22

Note

[illegible]

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