

Pushbutton and Indicating Light A22



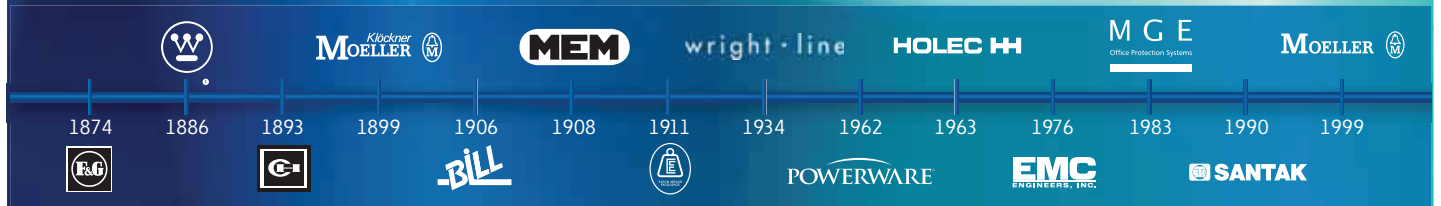
EATON

Powering Business Worldwide



EAT•N

The power of fusion.



EAT•N
Powering Business Worldwide

There's a certain energy at Eaton. It's the power of uniting some of the world's most respected names to build a brand you can trust to meet your every power management need. The energy created supports our commitment to powering business worldwide.

From power distribution to power quality and control, Eaton allows you to proactively manage your complete power system by providing electrical solutions that make your applications more reliable, efficient and safe. Visit Eaton.com/electrical.

All of the above are trademarks of Eaton Corporation or its affiliates. Eaton has a license to use the Westinghouse name in Asia Pacific. ©2010 Eaton Corporation.

Pushbutton and indicating light A22



Pushbutton and indicating light A22

Product overview	1
Complete pushbutton units for flush mounting.	3
Complete pushbutton units for surface mounting, compact indicating light.	4
Emergency stop switch.	5
Pushbutton operator.	6
Selector switch operator	7
Key operated selector switch operator	7
Illuminated pushbutton operator.	8
Indicating light.	8
Mounting block, contact block.	9
Lamp socket block.	10
Accessory	11
Technical data.	14
Dimensions.	16

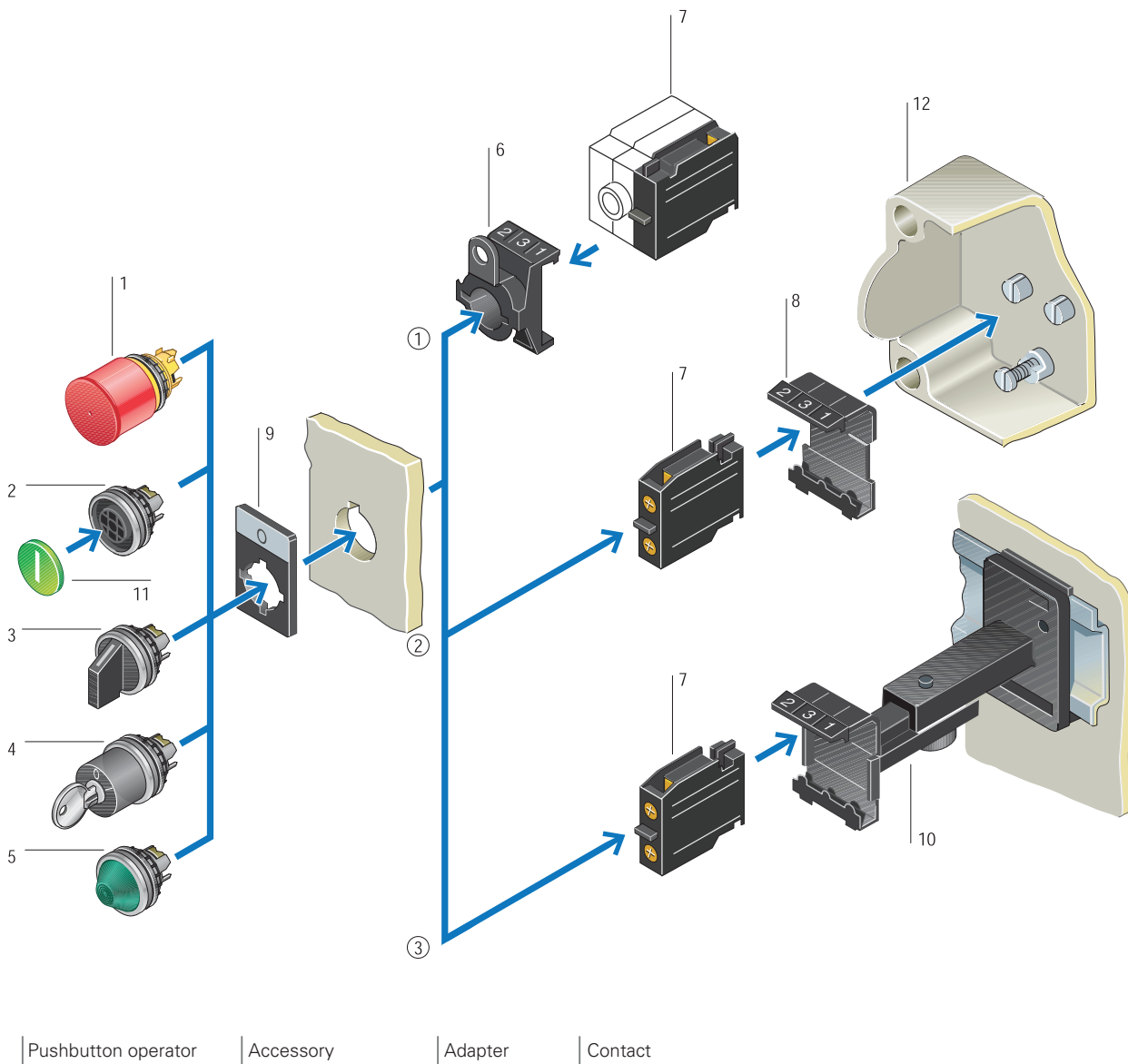
Pushbutton and indicating light A22

- 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

Product features

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

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

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

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










































•••••••••••••••••••• 12

IP65
Up to 5 mounting locations
See Page 12

- 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 900060600051	5 pieces
		1 N/O	1 N/C ⊕		-	A22-RD-03/K11 900060600052	5 pieces
		1 N/O	1 N/C ⊕		-	A22-RD-04/K11 900060600053	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 2keys independent locking mechanism KMS1							
	-	1 N/C ⊕			A22-RPSR/K01 254409	5 pieces	
Illuminated pushbutton, IP65							
Flush design with filament bulb BA 9, 24W/130V 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 9, 24W/130V 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		
Pushbutton, IP65 Flush operator 	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	
Indicating light, compact design, IP65 LED elements, 50000h 	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



Pushbutton and Indicating Light A22

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

Contact configuration	Contact sequence	Button color	Part No. Article No.	Standard package.
⤴=safety function, by compulsory switching to IEC/EN 60947-5-1 N/O = Normally open N/C= Normally closed				


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 A 22-EK... C

	1N/O	1N/C		●	A22-RPV/KC/I 254419	1 pieces
---	------	------	---	---	-------------------------------	----------


Emergency stop operator (pull to reset), IP65

Maximum number of mountable contact blocks: 2 x A 22-EK... ; 2 x A 22-EC... ; 3 x A 22-EK... C

			—	●	A22-RPV 254427	5 pieces
---	--	--	---	---	--------------------------	----------


Emergency stop operator (turn to reset), IP65

Maximum number of mountable contact blocks: 2 x A 22-EK... ; 2 x A 22-EC... ; 3 x A 22-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
---	--	--	---	---	---------------------------	----------








Description	Language	Color	Part No. Article No.	Standard package.
-------------	----------	-------	----------------------	-------------------





Emergency stop pushbutton plate, IP65






	• • • • •		●	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					
Flush operator					
		–	A22-RD-11 254420	A22-RDR-11 9000060600007	10 pieces
		–	A22-RD-10 254421	A22-RDR-10 9000060600008	10 pieces
		–	A22-RD-01 92406700000030	A22-RDR-01 9000060600009	10 pieces
		–	A22-RD-03 92406700000028	A22-RDR-03 9000060600010	10 pieces
		–	A22-RD-04 92406700000029	A22-RDR-04 9000060600011	10 pieces
	N/A	–	A22-RD-X 254422	A22-RDR-X 9000060600012	10 pieces

	Button plate/mushroom head symbol	Color	Part No. Article No.	Standard package.
Double operator, IP65				
White scattering lens Power with indicating light: up to 2W				
		–	A22-QDDL-11 /10 254423	5 pieces
		–	A22-QDDL-11 /11 9000060600010	5 pieces
		–	A22-QDDL-01 /01 9000060600049	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 9000060600013	5 pieces
			A22-RHD-RT10 9000060600014	5 pieces
			A22-RHD-SW01 9000060600015	5 pieces
	N/A		A22-RHD-GNX 9000060600016	5 pieces
	N/A		A22-RHD-RTX 9000060600017	5 pieces
	N/A		A22-RHD-SWX 9000060600018	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°	60°	●	A22-RWK3R 254430	5 pieces	
	45° ↘ 45°	45°	●	A22-RWK3 254431	5 pieces	
With long grip						
	60° ↘ 60°	60°	●	A22-RWH3R 111744	5 pieces	
	45° ↘ 45°	45°	●	A22-RWH3 111743	5 pieces	
	60° ↘ 45°	45°	●	A22-RWH3R1 111745	5 pieces	
	45° ↘ 60°	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 A 22-SP-RMQ. Lock mechanism KMS1.						
	↙	60°	I 0	–	A22-RS 254432	5 pieces
	↘	45°	0		A22-RS-KMS1-A2 9240670000031	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 A 22-SP-RMQ.						
	60° ↘ 60°	60°	I 0 II	–	A22-RS3 254433	5 pieces
	45° ↘ 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

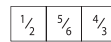
Flush mounting

For A 22-EK, A 22-EC, A 22-EF(R), contact block and lamp socket block
Serial number on mounting adapters



–

–



A22-BE6
254453

10 pieces

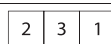
Surface/rear mounting

For A 22-E...C contact block
Serial number on mounting adapters



–

–



A22-BE3C
254461

25 pieces

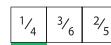
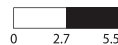
Contact block

Flush mounting

One contact
For A 22-BE6 and A 22-BE3C mounting adapters



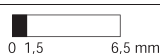
1M



A22-EK10
254454

20 pieces

1B 



A22-EK01
254455

20 pieces

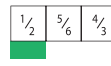
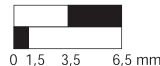
Two contacts

For A 22-BE6 mounting adapter



1M

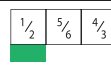
1B 



A22-EC11
254456

10 pieces

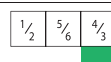
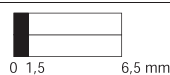
2M



A22-EC20
254457

10 pieces

2B 



A22-EC02
254458

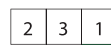
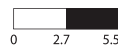
10 pieces

Surface/rear mounting

One contact
For A 22-BE3C mounting adapters



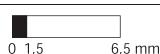
1M



A22-EK10C
254462

20 pieces

1B 



A22-EK01C
254463

20 pieces




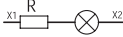



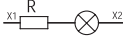
Configuration explanation: Configuration for mounting adapters with sequence numbers is in accordance with EN 50013



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

$\begin{matrix} |_{xy} \\ |_{xy} \end{matrix}$ 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 A 22-BE6 and A 22-BE3C mounting adapters											
Flush mounting											
For filament bulbs, neon bulbs or LED elements											
		⊗ max. 2W	<table border="1"><tr><td>1</td><td>3</td><td>2</td></tr><tr><td></td><td style="background-color: green;"></td><td></td></tr></table>	1	3	2				A22-E F 254459	10 pieces
1	3	2									
		⊗ max. 2.4W, R=7.5kΩ	<table border="1"><tr><td>1</td><td>3</td><td>2</td></tr><tr><td></td><td style="background-color: green;"></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 border="1"><tr><td>2</td><td>3</td><td>1</td></tr><tr><td></td><td style="background-color: green;"></td><td></td></tr></table>	2	3	1				A22-EFC 254464	10 pieces
2	3	1									
		⊗ max. 2.6W, R=6.8kΩ	<table border="1"><tr><td>2</td><td>3</td><td>1</td></tr><tr><td></td><td style="background-color: green;"></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...130V/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...30V 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
	240V 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	

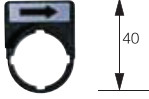
Pushbutton and Indicating Light A22

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				
Aluminum panel, button lens, black text				
	→	–	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







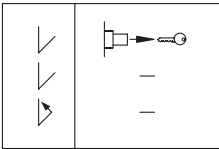



Button lens					
Aluminum panel, inscriptive, printable					
	W × H• 30×10mm	–	–	A22-XA 254487	100 pieces
	W × H• 30×20mm	–	–	A22-XB 90000060216480	100 pieces

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

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 A 22-BE3C mounting adaptor to fasten rear components. Maximum of 10 A 22-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 A 22 or M 22 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	• • 600
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			
Mechanical shock resistance, Shock duration 11ms		g	>30	>30	>30	>30

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			
Mechanical shock resistance, Shock duration 11ms		g	-	>30	>30	>30

Note:

2) Technical data applicable only for  up to 1.2W

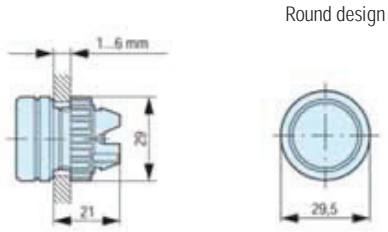
3) A22-RLTR mechanical life: 0.3x10⁶

Pushbutton and Indicating Light A22

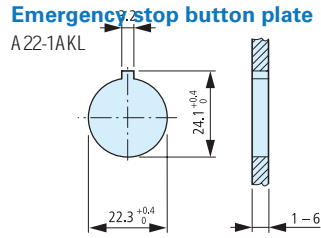
Technical data

		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 IEC 60068-2-78 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
Overtoltage category/pollution degree	U	V	500	250
Control circuit reliability			III/3	III/3
	At 5V DC/1 mA			
		H _F	<5x10 ⁶	
	At 24V DC/5 mA		5x10 ⁶ operations, <1 fault	
		H _F	<10 ⁷	
			10 ⁷ operations, <1 fault	
Max. short-circuit protective device				
	Fuseless	TYPE	FKZMO-10/FAZ-B6	-
	Fuse	gG/gL	A	10
Switching capacity				
Rated operational current				
AC-15				
	115V	I	A	6
	230V	I	A	6
	400V	I	A	4
	500V	I	A	2
DC-13				
	24V	I	A	3
	60V	I	A	3
	110V	I	A	0.8
	220V	I	A	0.3
Electrical lifespan				
AC • 15				
	230V/0.5A	Operations	x 10 ⁶	1.6
	230V/1.0A	Operations	x 10 ⁶	1
	230V/3.0A	Operations	x 10 ⁶	0.7
DC • 13				
	12V/28A	Operations	x 10 ⁶	1.2

Pushbutton and indicating light

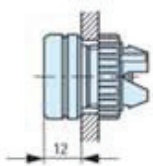


Cutout dimensions

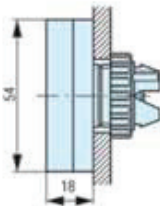


Pushbutton

A 22-RD...

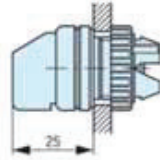


A 22-QDDL...



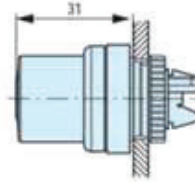
Selector switch

A 22-RWK...



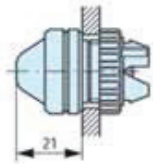
Key release switch

A 22-RS...

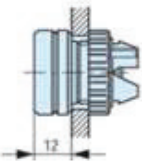


Indicating light

A 22-RL...



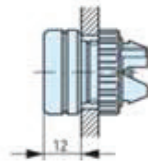
A 22-RLF...



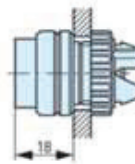
Illuminated operator

A 22-RLT...

A 22-RLTR...

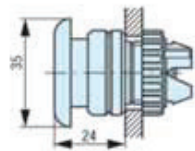


A 22-RLTH...

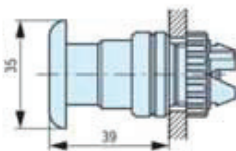


Key release mushroom head operator

A 22-RP...

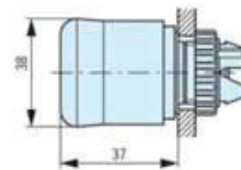


A 22-RPSR...

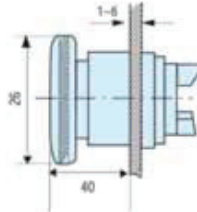


Emergency stop switch

A 22-RPV



A 22-E-STOP HEADER



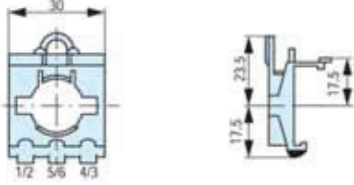
Pushbutton and Indicating Light A22

Dimensions

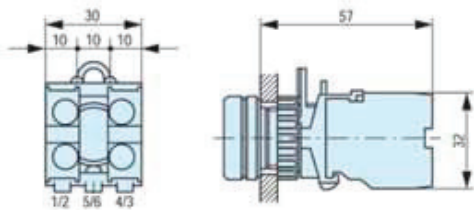
Front fixing (Type: flush mounting)

Mounting adapter

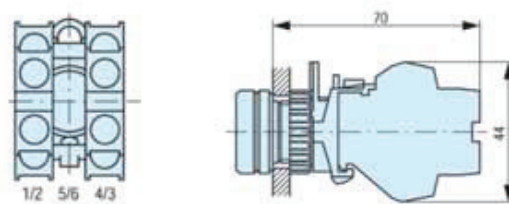
A 22-BE3



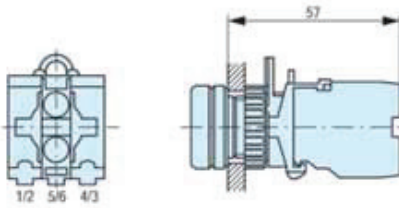
Pushbutton with A22-EK...



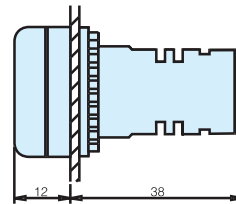
Pushbutton with A22-EC...



Indicating light/illuminated operator



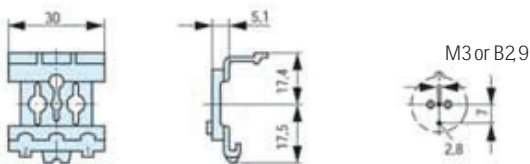
Compact design indicating light A22-LCLED



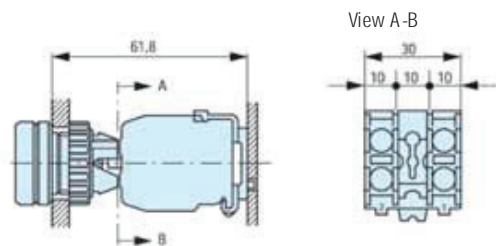
Rear fixing (Type: surface/rear mounting)

Mounting adapter

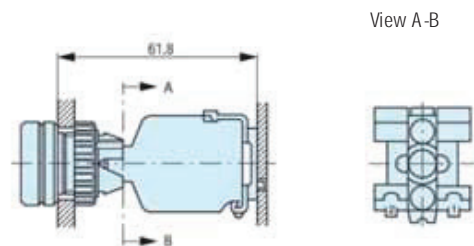
A 22-BE3C



Pushbutton

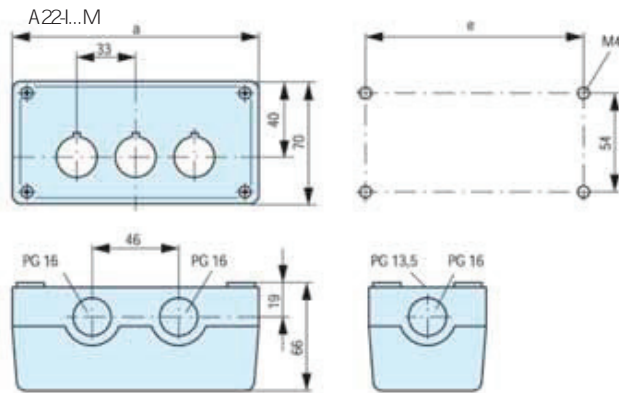


Indicating light/illuminated operator



Rear fixing (surface mounting)

Surface mounting pushbutton enclosure



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

Emergency stop button plate

A22-1AKL

