

Pushbutton and Indicating Light A22

Precise control of the
safe operation of

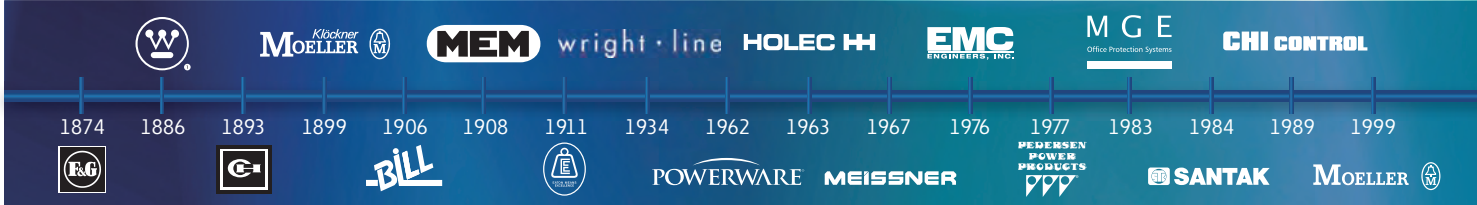


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Pushbutton and indicating light A22



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

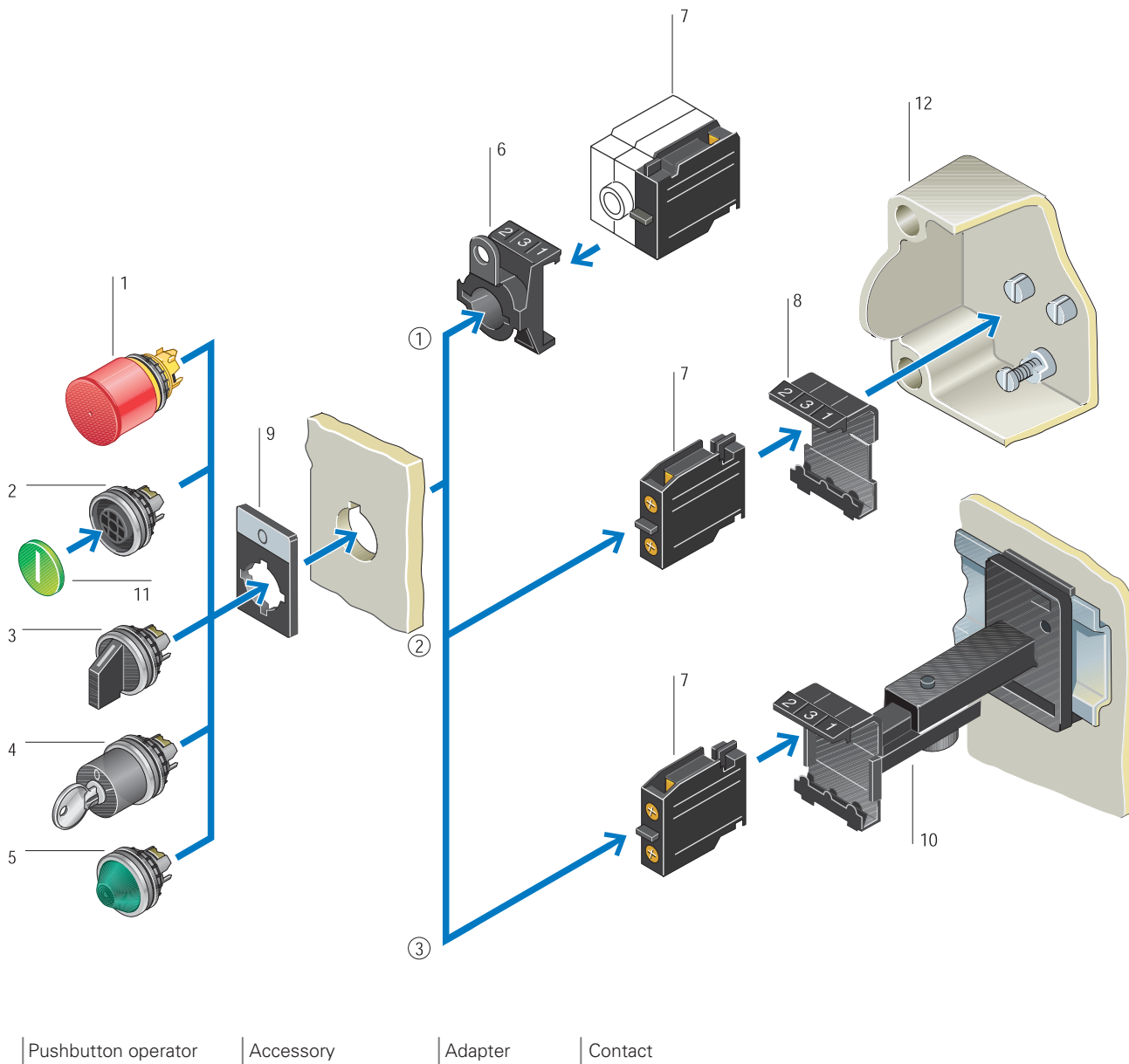


Voltage tolerance

- A22-LCLED-24-... 24VACDC +/-10%
- A22-LCLED-110-... 110VACDC +/-10%
- A22-LCLED-220-... 220VACDC +/-10%
- A22-LCLED-380AC-...380VACDC +/-10%

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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

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

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




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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	

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Complete pushbutton units for surface mounting

Mounting locations	Contact configuration	Contact sequence	Contact sequence diagram	Color of pushbutton enclosure	Part No. Article No.	Standard. Package
Pushbutton, IP65 Flush operator 	1	1 N/O	1 N/C \rightarrow		A22-RD-11/KC/I 254417	1 pieces
	1	1 N/O	1 N/C \rightarrow		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 \rightarrow			A22-RWKIR/K11 9000060600050	5 pieces
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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.

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

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

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

Description

Language

Color

Part No.
Article No.

Standard package.

Emergency stop pushbutton plate, IP65



N/A



A22-1AK
254497

10 pieces

EMERGENCY STOP

English














A22-1AK-299
254498






10 pieces










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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 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				
White scattering lens Power with indicating light: up to 2W				
		–	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

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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 II	–	A22-RS3 254433	5 pieces
	45° ↘	45°	0	–	A22-RS3-KMS1-A4 254434	5 pieces


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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 9240470000050	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	

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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

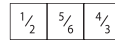
Part No.
Article No.

Standard package.

Mounting adapter

Flush mounting

For A22-EK, A22-EC, A22-EF(R), contact block and lamp socket block
 Serial number on mounting adapters

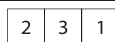


A22-BE6
254453

10 pieces

Surface/rear mounting

For A22-E...C contact block
 Serial number on mounting adapters



A22-BE3C
254461

25 pieces

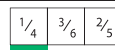
Contact block

Flush mounting

One contact
 For A22-BE6 and A22-BE3C mounting adapters



1M



A22-EK10
254454

20 pieces

1B 



A22-EK01
254455

20 pieces

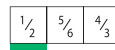
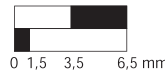
Two contacts

For A22-BE6 mounting adapter



1M

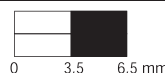
1B 



A22-EC11
254456

10 pieces

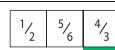
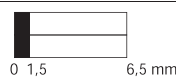
2M



A22-EC20
254457

10 pieces

2B 



A22-EC02
254458

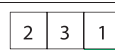
10 pieces

Surface/rear mounting

One contact
 For A22-BE3C mounting adapters



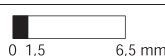
1M



A22-EK10C
254462

20 pieces

1B 



A22-EK01C
254463

20 pieces




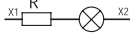



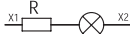
Configuration explanation: Configuration for mounting adapters with sequence numbers is in accordance with EN50013



 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 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...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	

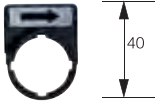
Pushbutton and Indicating Light A22

Accessory

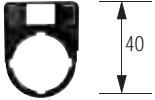
	Symbol color	Part No. Article No.	Standard package.
Legend plate			
Symbol In accordance with DIN 30600			
Stop		A22-10T 254472	25 pieces
Start		A22-11 T 254473	25 pieces
Start		A22-12T 254474	25 pieces
Start		A22-13T 254475	25 pieces
Start		A22-14T 254478	25 pieces
Stop or OFF		A22-19T 254479	25 pieces
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 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




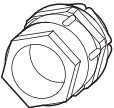


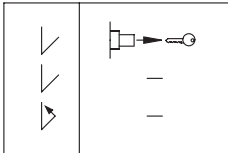





Button lens Aluminum panel, inscriptive, printable					
	W × H : 30×10mm	–	–	A22-XA 254487	100 pieces
	W × H : 30×20mm	–	–	A22-XB 90000060216480	100 pieces

	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				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 A22-SP-RMQ 254507 A22-SP-RMQ 254507	5 pieces 5 pieces 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			
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			
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

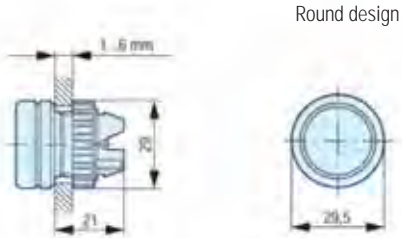
Technical data

		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
<u>Wiring cross section</u>				
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				
At 24V DC/5 Ma				
			H _F	<5x10 ⁻⁶
				5x10 ⁶ operations, <1 fault
			H _F	<10 ⁻⁷
				10 ⁷ operations, <1 fault
Max. short-circuit protective device				
Fuseless			TYPE	PKZMO-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 A22

Dimensions

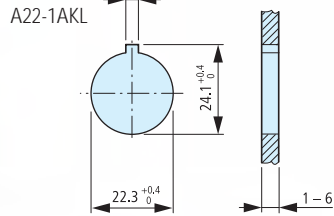
Pushbutton and indicating light



Round design

Cutout dimensions

Emergency stop button plate

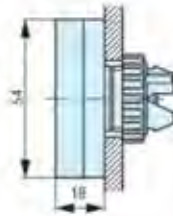


Pushbutton

A22-RD-...

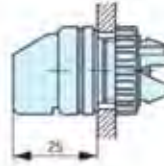


A22-ODDL-...



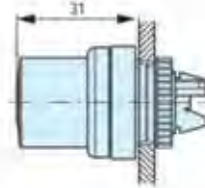
Selector switch

A22-RWK-...



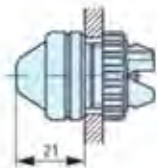
Key release switch

A22-RS-...

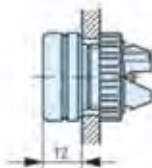


Indicating light

A22-RL-...

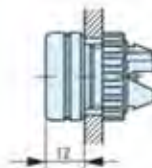


A22-RLF-...



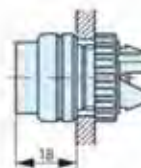
Illuminated operator

A22-RLT-...



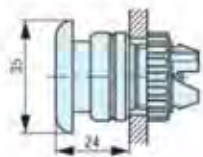
A22-RLTR-...

A22-RLTH-...

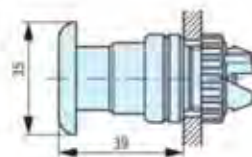


Key release mushroom head operator

A22-RP-...

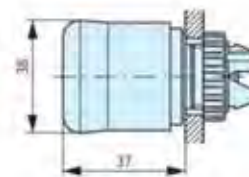


A22-RPSR-...

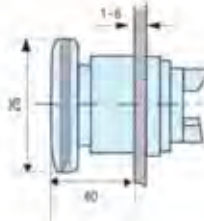


Emergency stop switch

A22-RPV



A22-E-STOP HEADER



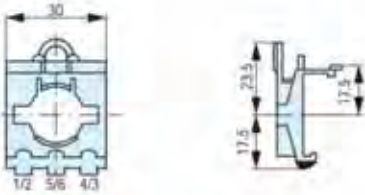
Pushbutton and Indicating Light A22

Dimensions

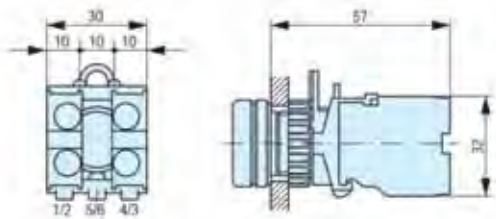
Front fixing (Type: flush mounting)

Mounting adapter

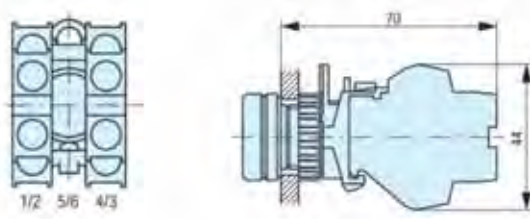
A22-BE3



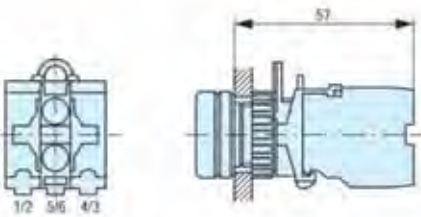
Pushbutton with A22-EK...



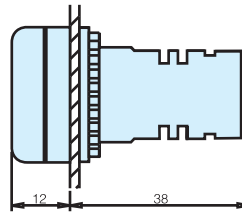
Pushbutton with A22-EC...



Indicating light/illuminated operator



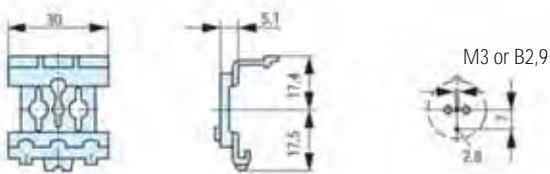
Compact design indicating light A22-LCLED



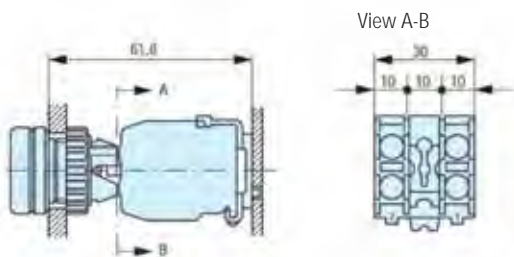
Rear fixing (Type: surface/rear mounting)

Mounting adapter

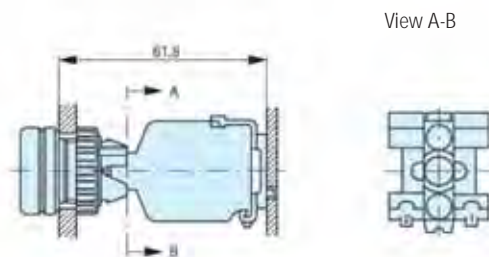
A22-BE3C



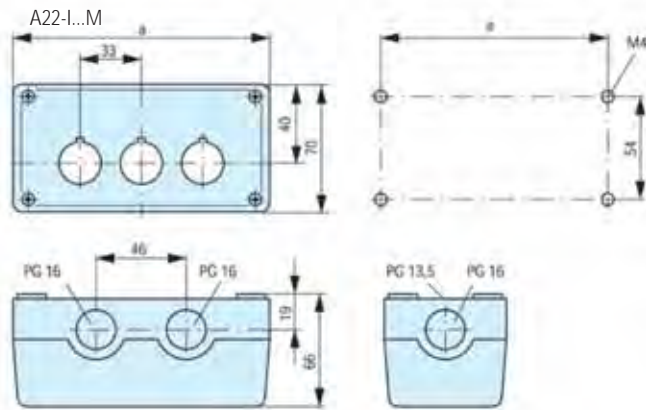
Pushbutton



Indicating light/illuminated operator



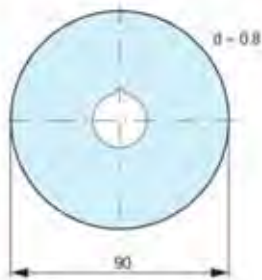
Rear fixing (surface mounting) Surface mounting pushbutton enclosure



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



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