



ETISIG

Pushbutton Actuators and LED Indicators

Pushbuttons, Selector Switches,
Lights and Control Station Enclosures **662**

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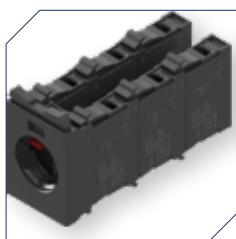
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A SAFE FUTURE

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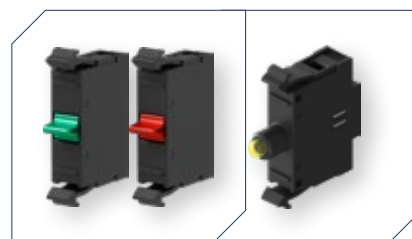
Pushbuttons, Selector Switches, Lights and Control Station Enclosures



Standard device includes: the module itself, rubber seal, nut



Cascade installation option for up to three levels

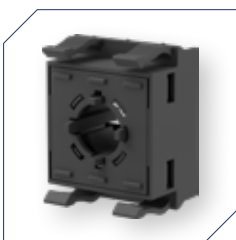


Possibility to mount contact blocks as well as LED module

Emergency STOP pushbutton with monitoring contact block



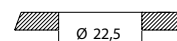
Latch module for set-reset function. Changes the position of the contacts of contact block by pressing once - latch function



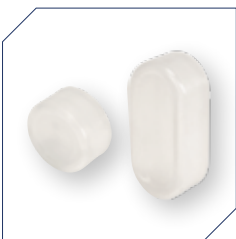
Protection against accidental emergency pushbutton



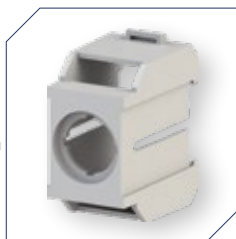
Standard mounting diameter Ø22.5mm



Protective silicone cap for extra protection against dust and moisture



Adaptor for mounting actuators on the DIN rail



Label plates



Empty control stations enclosures



for installation of actuators

Actuators and enclosures

Features:

- // modular design,
- // standard mounting diameter Ø22.5mm,
- // snap fastening system,
- // cascade installation possibility,
- // IP66 degree of protection,
- // silicone antidust covers.

Pushbuttons, switches and signal lamps

Standards	IEC 60947-5-1, ISO 13850 (EN 418), IEC 60947-5-5
Certificates	CE
Base material	Polyamide (PA66) or polycarbonate (PC)
Degree of protection IP	IP66 and IP52 (PB2I-F/RG) according to IEC 60529
Mechanical life	
Pushbuttons	3 x 10 ⁶ cycles
Twin pushbuttons	2 x 10 ⁶ cycles
Mushroom pushbuttons	3 x 10 ⁵ cycles
Emergency STOP pushbuttons	1 x 10 ⁵ cycles
Switch selectors	1 x 10 ⁶ cycles
Applications	Outside or inside

LED module

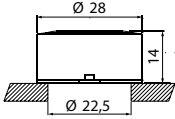
Standards	IEC 60947-5-1
Operating voltage range	0,85...1,10 x U _e
Degree of protection IP (IEC 60529)	IP20
Consumption (V AC/V DC)	10 mA
Rated insulation voltage U _i (IEC 60947-1)	2,5 kV
Operational temperature range	-25°C ... 70°C
Lifetime	at least 100,000 hours
The power of light	Red 70 mcd
	Yellow 115 mcd
	White 275 mcd
	Blue 64 mcd
	Green 150 mcd
Cross-section of conductors to be connected	1 x 0,5 mm ² ... 2 x 2,5 mm ²
Terminal torque	0,8 Nm

Contact blocks

Rated insulation voltage U_i	690 V			
Rated insulation voltage pulse U_{imp}	4 kV			
IP degree of protection (IEC 60529)	IP20			
Conventional thermal current I_{th}	10 A			
Conformity to standards	IEC 60947-5-1, ISO 13850 (EN 418), IEC 60947-5-5			
Certifications	CE			
Electrical characteristics according to IEC 60947-5-1				
Application Category AC-15	BC...CS-NO/NC		BC-NC-PBM	
	U_e (V AC)	I_e (A)	U_e (V AC)	I_e (A)
	24	10	24	6
	48	10	48	6
	60	10	60	6
	110	6	110	6
	220	3	220	3
	380	2	380	2
	500	1,5	500	1,5
	600	1,2	600	1,2
Category of DC-13 application	U_e (V DC)	I_e (A)	U_e (V DC)	I_e (A)
	24	2,5	24	2,5
	48	1,4	48	1,4
	60	1	60	1
	110	0,55	110	0,55
	220	0,27	220	0,27
	300	0,2	300	0,2
	600	0,1	600	0,1
UL and CSA compliant design	AC/Heavy duty mode (A600) and DC/Standard mode (Q600)			
Contact resistance (IEC 60255)	$\leq 25 m\Omega$			
Protection against electric shock (IEC 60536)	Class II			
Cross-section of connectable conductors	1 x 0,5 mm ² ... 2 x 2,5 mm ²			
Terminal torque	0,8 Nm			
Operational temperature	-25°C ... 70°C			
Vibration resistance (IEC 60068-2-6)	16 g for a frequency range of 40 to 500 Hz. Maximum gap of 0.75 mm (peak to peak)			
Mechanical life	1 x 10 ⁶ cycles			

Non-illuminated actuators

Flush head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	kg	
NSE-PBF-W	White	004774000		0,021	1/10
NSE-PBF-R	Red	004774001		0,021	1/10
NSE-PBF-G	Green	004774002		0,021	1/10
NSE-PBF-Y	Yellow	004774003		0,021	1/10
NSE-PBF-B	Blue	004774004		0,021	1/10
NSE-PBF-C	Black	004774005		0,021	1/10
				0,021	1/10

* Important: The holder and contact block are not included



Extended head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	kg	
NSE-PBP-W	○	White	004774010	0,021	1/10
NSE-PBP-R	●	Red	004774011	0,021	1/10
NSE-PBP-G	●	Green	004774012	0,021	1/10
NSE-PBP-Y	●	Yellow	004774013	0,021	1/10
NSE-PBP-B	●	Blue	004774014	0,021	1/10
NSE-PBP-C	●	Black	004774015	0,021	1/10

* Important: The holder and contact block are not included



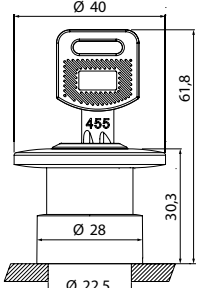
Mushroom pushbutton Ø 40 mm (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	kg	
NSE-PBM-R	●	Red	004774020	0,024	1/10
NSE-PBM-G	●	Green	004774021	0,024	1/10
NSE-PBM-C	●	Black	004774022	0,024	1/10

* Important: The holder and contact block are not included



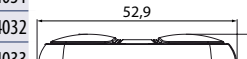
Mushroom pushbutton Ø 40 mm (latch, with key to release, non-illuminated)

Type	Colour / description	Code no	Dimensions		
NSE-PBM-R-K	 Red mushroom pushbutton (latch, with key to release)	004774023		0,09	1/10

* Important: The holder and contact block are not included



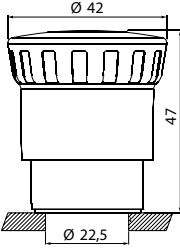
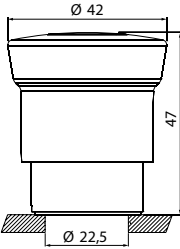
Twin pushbutton (spring return, non-illuminated)

Type	Colour / description	Code no	Dimensions	kg	
NSE-PB2/RG-IO	 Green/Red (I/O)	004774030		0,025	1/25
NSE-PB2/RG-STSP	 Green/Red (START/STOP)	004774031		0,025	1/25
NSE-PB2/RG	 Green/Red	004774032		0,025	1/25
NSE-PB2/WC-IO	 White/Black (I/O)	004774033		0,025	1/25
NSE-PB2/WC-STSP	 White/Black (START/STOP)	004774034		0,025	1/25
NSE-PB2/WC	 White/Black	004774035		0,025	1/25
NSE-PB2/CC-PN	 Black/Black (+/-)	004774036		0,025	1/25
NSE-PB2/CC-FR	 Black/Black (↑/↓)	004774037		0,025	1/25

* Important: The holder and contact block are not included



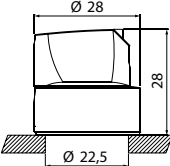
Emergency STOP mushroom pushbutton Ø 42 mm (latch, non-illuminated)

Type	Colour / description	Code no	Dimensions	kg	
NSE-PBM-T-R	Red (turn to release)	004774040		0,049	1/10
NSE-PBM-T-RG	Red (turn to release, with indication)	004774042			
NSE-PBM-P-R	Red (pull to release)	004774041		0,049	1/10
NSE-PBM-P-RG	Red (pull to release, with indication)	004774043			

* Important: The holder and contact block are not included



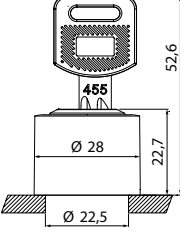
Two-position switch selector "0-1" (non-illuminated)

Type	Colour / description	Scheme	Code no	Dimensions	kg	
NSE-S2-F45	Black 45° (latch)		004774080		0,025	1/10
NSE-S2-F90	Black 90° (latch)		004774081		0,025	
NSE-S2-R45	Black 45° (spring return)		004774082		0,025	
NSE-S2-R90	Black 90° (spring return)		004774083		0,025	

* Important: The holder and contact block are not included



Switch key selector "0-1" (latch, non-illuminated)

Type	Colour / description	Scheme	Code no	Dimensions	kg	
NSE-S2K-F45	Black 45° (latch)		004774088		0,087	1

* Important: The holder and contact block are not included



Three-position switch selector "1-0-2" (non-illuminated)

Type	Colour / description	Scheme	Code no	Dimensions	kg	
NSE-S3-F45	Black 45° (latch)		004774084		0,025	1/10
NSE-S3-R45	Black 45°(spring return)		004774085		0,025	
NSE-S3-RL45	Black, 45° (spring return left side)		004774086		0,025	
NSE-S3-RR45	Black, 45°(spring return right side)		004774087		0,025	

* Important: The holder and contact block are not included



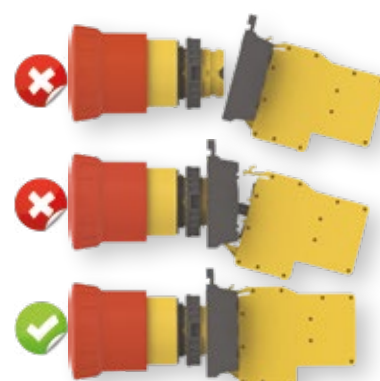
Mushroom pushbuttons for emergency STOP with monitoring function

Application - metering and signalling panels, control panels.

Emergency Mushroom pushbuttons are one of the most common and important devices for emergency shutdown and indication in case of emergency situations arising in electrical equipment circuits and control panels.

Warning: if the components are not installed correctly, the function of the appliance may be impaired. This can result in an emergency shutdown blockage, exposing users to additional risks.

The NSE-BC-NC-PBM self-monitoring contact block is designed to provide a higher level of installation safety and control. Its use with the NSE-PBM-T-RGM/NSE-PBM-P-RGM range of Emergency STOP pushbuttons provides electrical interlocking in the event of incomplete or incorrectly assembled Emergency Stop button components. Developed in accordance with international standards IEC 60947-5-5 and UL 508



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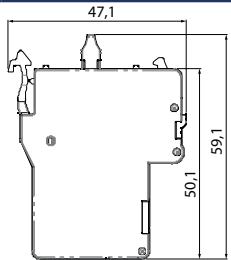
Emergency STOP mushroom pushbutton Ø 42 mm, self-monitoring function (latch, non-illuminated)

Type	Colour / description	Code no	Dimensions	kg	
NSE-PBM-T-RGM	Red (turn to release, with indication, self monitoring option)	004774044		0,058	1/10
NSE-PBM-P-RGM	Red (pull to release, with indication, self monitoring option)	004774045		0,058	1/10

* Important: The holder and contact block are not included

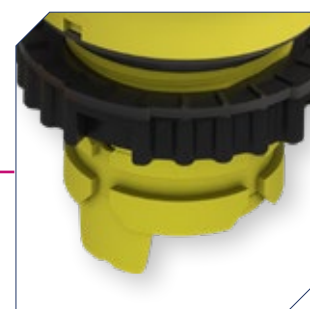
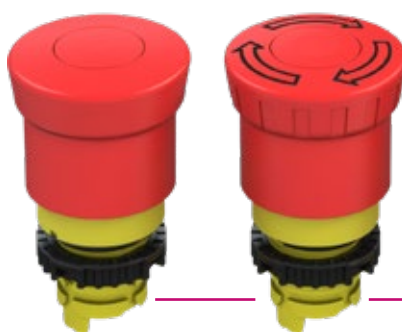
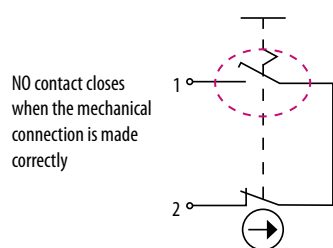


Contact block with self-monitoring function

Type	Description	Code no	Dimensions	kg	
NSE-BC-NC-PBM	1NC contact block	004774114		0,023	1/10



Circuit diagram



Protection, provides selfmonitoring of the mechanical assembly.

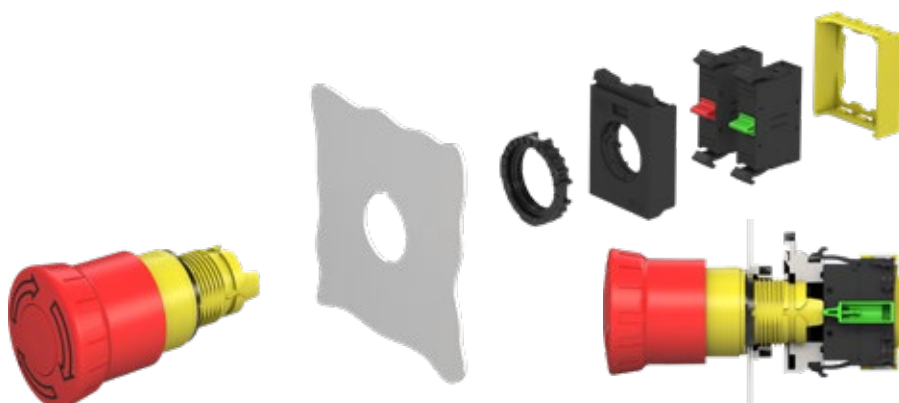
When using standard contact blocks, the NSE-PBMH retainer must be used. The contact block retainer allows all elements to be assembled into a single unit, provides greater safety and reduces the possibility of operating errors.

Contact block retainer

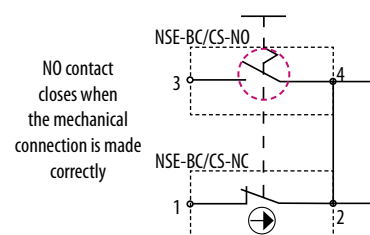
Type	Description	Code no	Compatibility	kg	
NSE-PBMH	Contact block retainer for checking the mechanical assembly.	004774046	Max number of contact blocks: 3 NSE-BC/CS-NO/NC blocks. Note: Does not allow overlapping of contacts	0,002	1/1



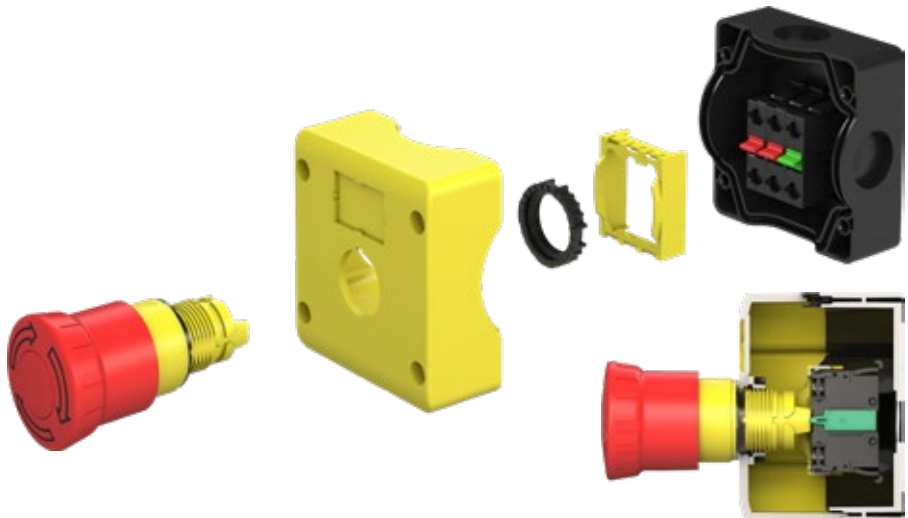
Installation of standard contact blocks for panel mounting



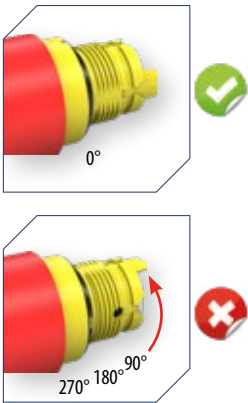
Wiring diagram for mounting standard contact blocks to ensure correct installation



Installation of standard contact blocks for enclosure mounting



When installing the emergency STOP pushbuttons, this installation makes it possible to check the correct assembly



Illuminated actuators

Flush head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	kg	
NSE-PBFI-W	○	White	004774050	Ø 28	1/10
NSE-PBFI-R	●	Red	004774051	20	1/10
NSE-PBFI-G	●	Green	004774052	Ø 22,5	1/10
NSE-PBFI-Y	●	Yellow	004774053		1/10
NSE-PBFI-B	●	Blue	004774054		1/10

* Important: The holder and contact block are not included



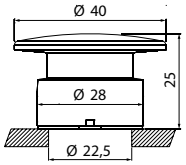
Extended head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	kg	
NSE-PBPI-R	●	Red	004774060	Ø 28	1/10
NSE-PBPI-G	●	Green	004774061	Ø 22	1/10
			20	Ø 22,5	

* Important: The holder and contact block are not included



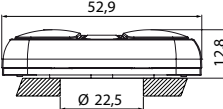
Mushroom pushbutton Ø 40 mm (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	kg	
NSE-PBMI-R	 Red	004774062		0,026	1/10

* Important: The holder and contact block are not included



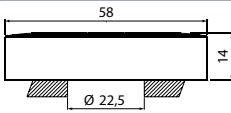
Twin pushbutton (spring return, non-illuminated)

Type	Colour / description	Code no	Dimensions	kg	
NSE-PB2I/RG-IO	 Green/Red (I/O)	004774070		0,025	1/25
NSE-PB2I/RG-STSP	 Green/Red (START/STOP)	004774071		0,025	1/25
NSE-PB2I/RG	 Green/Red	004774072		0,025	1/25
NSE-PB2I/WC-IO	 White/Black (I/O)	004774073		0,025	1/25
NSE-PB2I/WC-STSP	 White/Black (START/STOP)	004774074		0,025	1/25
NSE-PB2I/WC	 White/Black	004774075		0,025	1/25
NSE-PB2I/CC-PN	 Black/Black (+/-)	004774076		0,025	1/25
NSE-PB2I/CC-FR	 Black/Black (↑/↓)	004774077		0,025	1/25

* Important: The holder and contact block are not included



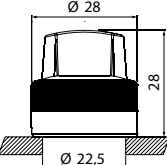
IP52 twin pushbutton (spring return, non-illuminated)

Type	Colour / description	Code no	Dimensions	kg	
NSE-PB2I-F/ RG-IO	 Green/Red (I/O)	004774078		0,025	1/10

* Important: The holder and contact block are not included



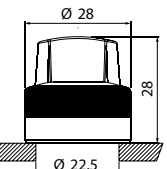
Two-position switch selector "0-1" (illuminated)

Type	Colour / description	Scheme	Code no	Dimensions	kg	
NSE-S2I-F90-R	 Red 90° (latch)		004774090		0,02	1/10
NSE-S2I-F90-G	 Green 90° (latch)		004774091		0,02	

* Important: The holder and contact block are not included



Three-position switch selector "1-0-2" (illuminated)

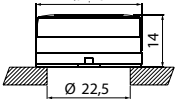
Type	Colour / description	Scheme	Code no	Dimensions	kg	
NSE-S3I-F45-R	 Red 45° (latch)		004774092		0,02	1/10
NSE-S3I-F45-G	 Green 45° (latch)		004774093		0,02	
NSE-S3I-F45-Y	 Yellow 45° (latch)		004774094		0,02	

* Important: The holder and contact block are not included



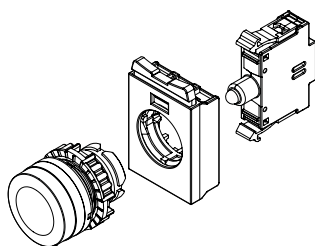
Caps for LED module

Caps for LED module

Type	Colour	Code no	Dimensions	kg	
NSE-ILM-HD-W	White	004774130		0,016	1/10
NSE-ILM-HD-R	Red	004774131		0,016	1/10
NSE-ILM-HD-G	Green	004774132		0,016	1/10
NSE-ILM-HD-Y	Yellow	004774133		0,016	1/10
NSE-ILM-HD-B	Blue	004774134		0,016	1/10
NSE-ILM-HD-O	Orange**	004774135		0,016	1/10

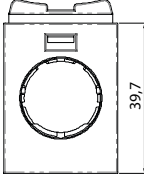
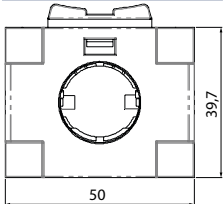
* Important: The holder and LED module are not included.

** for a better performance, use a yellow LED module



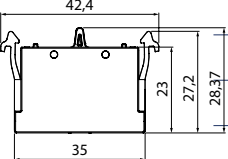
Accessories

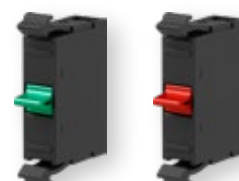
Holder for contact blocks and LED modules

Type	Description	Code no	Dimensions	kg	
NSE-FL3/10	3 module holder (10 pcs)	004774100		0,013	10
NSE-FL3	3 module holder (1 pc)	004774101		0,013	1/25
NSE-FL5/5	5 module holder (5 pcs)	004774102		0,02	5
NSE-FL5	5 module holder (1 pc)	004774103		0,02	1

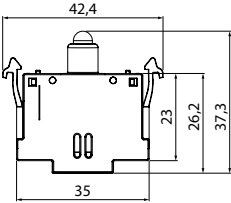


Contact block

Type	Description	Code no	Dimensions	kg	
NSE-BC-NO/10	1NO contact block (10 pcs)	004774110		0,015	10
NSE-BC-NO	1NO contact block (1 pc)	004774111		0,015	1/25
NSE-BC-NC/10	1NC contact block (10 pcs)	004774112		0,015	10
NSE-BC-NC	1NC contact block (1 pc)	004774113		0,015	1/25

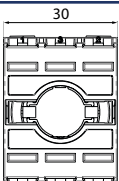


LED module

Type	Colour	Voltage	Code no	Dimensions	kg	
NSE-ILM-024U-W	○ White	24V AC/DC	004774120		0,016	1/10
NSE-ILM-024U-R	● Red	24V AC/DC	004774121			
NSE-ILM-024U-G	● Green	24V AC/DC	004774122			
NSE-ILM-024U-Y	● Yellow	24V AC/DC	004774123			
NSE-ILM-024U-B	● Blue	24V AC/DC	004774124			
NSE-ILM-240V-W	○ White	240 V AC	004774125			
NSE-ILM-240V-R	● Red	240 V AC	004774126			
NSE-ILM-240V-G	● Green	240 V AC	004774127			
NSE-ILM-240V-Y	● Yellow	240 V AC	004774128			
NSE-ILM-240V-B	● Blue	240 V AC	004774129			



Latch module

Type	Description	Code no	Dimensions	kg	
NSE-BC-LF	For set-reset function. Changes the position of the contacts of contact block by pressing once - latch function	004774115		0,019	1

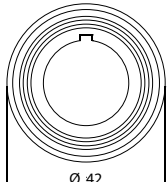


* Important:

Mechanical push-on/push-off block for contact blocks mounted on buttons: CSW-BF, CSW-BFI, CSW-BS, CSW-BSI, CSW-BGA, CSW-BC, CSW-BCI

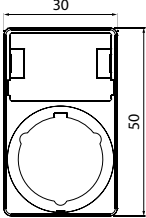
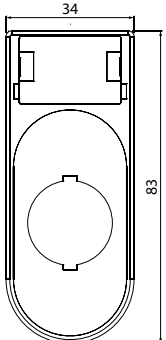
Note: use ONLY with contact block NSE-BC-NC (1NC) and NOT with NO contact block!!!

Adaptor ring

Type	Description	Code no	Dimensions	kg	
NSE-RR-30/22	Ø 30 mm ... Ø 22,5 mm	004774140		0,006	1



Label plates

Type	Description / Compatibility	Code no	Dimensions	kg	
NSE-PH-SB+MP	Label plate for marking plate (27 x 18 mm) with transparent cover	004774141		0,004	5
NSE-PH-SB	Label plate for marking plate (27 x 18 mm) without transparent cover	004774143			
NSE-PH-DB+MP	Label plate for marking plate (27 x 18 mm) with transparent cover, for IP52 twin pushbutton module	004774142		0,004	5
NSE-PH-DB	Label plate for marking plate (27 x 18 mm) with transparent cover, for IP52 twin pushbutton module without transparent cover	004774144			



NSE-PH-SB+MP



NSE-PH-SB

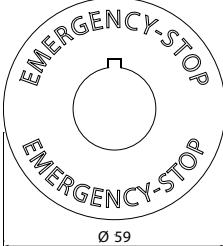


NSE-PH-DB+MP



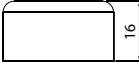
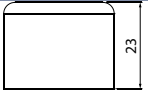
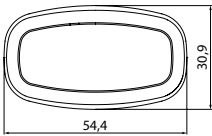
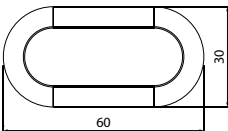
NSE-PH-DB

Nameplate ring

Type	Colour / Description	Code no	Dimensions	kg	
NSE-PL-EMG	 Emergency STOP	004774145		0,009	5



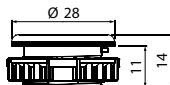
Protective silicone cap

Type	Compatibility	Code no	Dimensions	kg	
NSE-SPC-PBF	Flush head non-illuminated pushbuttons and caps for LED module	004774170		0,005	5
NSE-SPC-PBP	Extended head and non-illuminated flush head pushbuttons	004774171		0,005	5
NSE-SPC-PB2*	Twin pushbuttons	004774172		0,005	5
NSE-SPC-PB2-F*	IP52 twin pushbutton, to ensure IP66 degree of protection	004774173		0,006	5



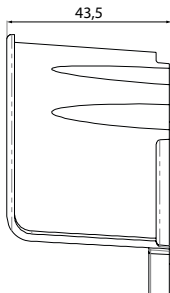
** Important: Not compatible with pushbutton in control station enclosures

Plug

Type	Description	Code no	Dimensions	kg	
NSE-HP	Plug Ø 22,5 mm	004774174		0,008	5



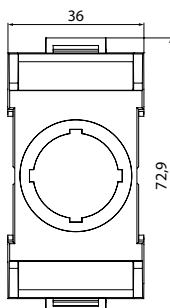
ES protection

Type	Description	Code no	Dimensions	kg	
NSE-PC-PBM	Protection against accidental pressing of the emergency STOP pushbutton	004774175		0,027	1



* Important: Only applicable for NSE-CS1-Y. You could install this accessory with other control stations models but you will need to disenable one hole closer this accessory

Adaptor for mounting actuators on DIN rail

Type	Description	Code no	Dimensions	kg	
NSE-ADR-1M	Allows the pushbutton/signal lamp/switch to be mounted on a 35mm DIN rail. Note: Does not allow the following accessories to be used: - Self-monitoring contact block (BCM01F-CSW); - 5-module contact block holder.	004774176		0,033	1



*Important: Not compatible with self-monitoring contact block NSE-BC-NC-PBM

*Important: Not compatible with the 5 module holder NSE-FL5

Assembly tool

Type	Description	Code no	kg	
NSE-FRT	Assembly tool for ring	004774177	0,025	1



Empty control station enclosures

Control station enclosures

Standards	IEC 60947-5-1, IEC 50102, IEC 60529, UL 508, UL 50
Certificates	CE
Degree of protection IP (IEC 60529)	IP66 (NEMA 4X)
Operating temperature	-25°C ... 70°C
Material	Polycarbonate (cover and base)
Colour	Grey (RAL 7035) or yellow (RAL 1003)
Base colour	Black (RAL 9005)
Cable entry	ØM20 / PG13,5 / 1/2" e ØM16 / 3/8"
Application	External/internal



Empty control station enclosures

Type	Description	Colour	Code no	kg	
NSE-CS1-Y	Housing with 1 hole, emergency	Yellow-black	004774150	0,13	1
NSE-CS1-GR	1-hole housing	Grey-black	004774151	0,13	1
NSE-CS2-GR	2-hole housing	Grey-black	004774152	0,17	1
NSE-CS3-GR	3-hole housing	Grey-black	004774153	0,2	1
NSE-CS4-GR	4-hole housing	Grey-black	004774154	0,25	1
NSE-CS6-GR	6-hole housing	Grey-black	004774155	0,32	1

Accessories for enclosures

Contact block for enclosure mounting

Type	Description	Code no	Dimensions	kg	
NSE-BC/CS-NO	1NO contact module	004774156		0,15	1
NSE-BC/CS-NC	1NC contact module	004774157		0,15	1

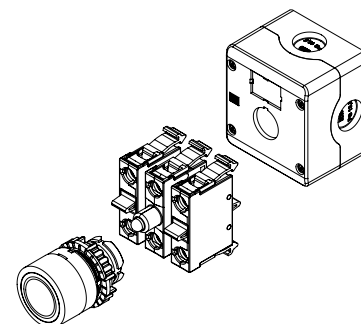
* Important: The contact blocks do not require a contact block holder to be mounted in the enclosure. The contact blocks are fixed into the base of the enclosure.



LED module for enclosure mounting

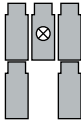
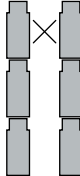
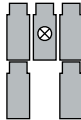
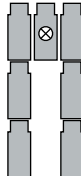
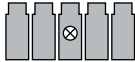
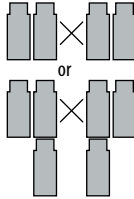
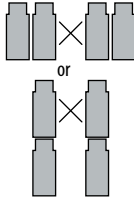
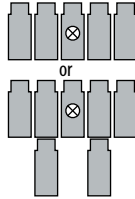
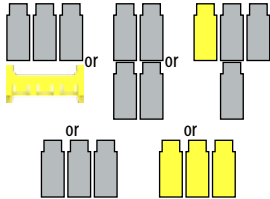
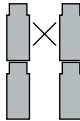
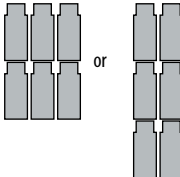
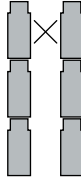
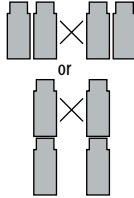
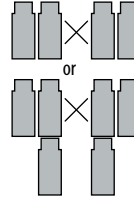
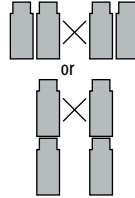
Type	Colour	Voltage	Code no	Dimensions	kg	
NSE-ILM-CS-024U-W	White	24V AC/DC	004774158		0,016	1/10
NSE-ILM-CS-024U-R	Red	24V AC/DC	004774159			
NSE-ILM-CS-024U-G	Green	24V AC/DC	004774160			
NSE-ILM-CS-024U-Y	Yellow	24V AC/DC	004774161			
NSE-ILM-CS-024U-B	Blue	24V AC/DC	004774162			
NSE-ILM-CS-240V-W	White	240 V AC	004774163			
NSE-ILM-CS-240V-R	Red	240 V AC	004774164			
NSE-ILM-CS-240V-G	Green	240 V AC	004774165			
NSE-ILM-CS-240V-Y	Yellow	240 V AC	004774166			
NSE-ILM-CS-240V-B	Blue	240 V AC	004774167			

* Important: The module holder is not required for fitting the LED modules into the enclosure. The modules are fixed into the base of the enclosure.



Assembly configurations

Assembly configurations

Type	Illuminated switch selectors	Non-illuminated switch selectors	Illuminated pushbuttons	
	NSE-S2I / S3I	NSE-S2 / S3 / S2K	NSE-PB2I	NSE-PBMI, NSE-PB2I-F, NSE-PBFI, NSE-PBPI
Max. number of contacts	Max. 4	Max. 6	Max. 4	Max. 6
3-module holder NSE-FL3				
Max. number of contacts	Max. 4	Max. 6	Max. 4	Max. 6
5-module holder1 NSE-FL5				
Type	Non-illuminated pushbuttons			
	NSE-PBM-T/P	NSE-PB2	NSE-PBF	NSE-PBM, NSE-PBP
Max. number of contacts	Max. 4	Max. 4	Max. 6	Max. 6
3-module holder NSE-FL3				
Max. number of contacts	-	Max. 4	Max. 6	Max. 6
5-module holder2 NSE-FL5	-			

1 LED modules for illumination can only be used in the middle position of the NSE-FL5 holder

2 Do not use self-controlling contact blocks with the NSE-FL5 holder;

2 Do not use emergency buttons with the NSE-FL5 flange



NSE-BC contact blocks



Mushroom button contact block with self-monitoring function NSE-BC-NC-PBM



LED module NSE-ILM



Pin block retainer

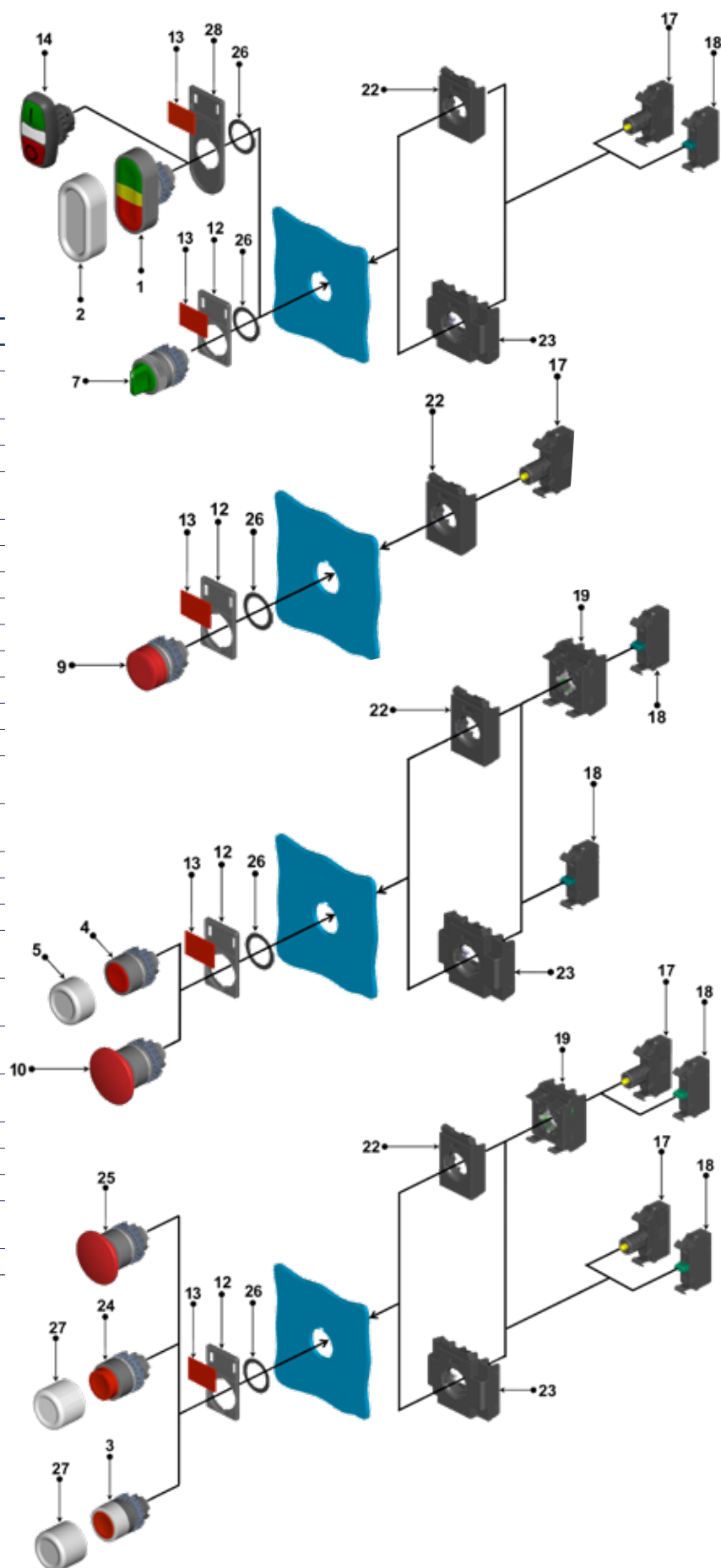


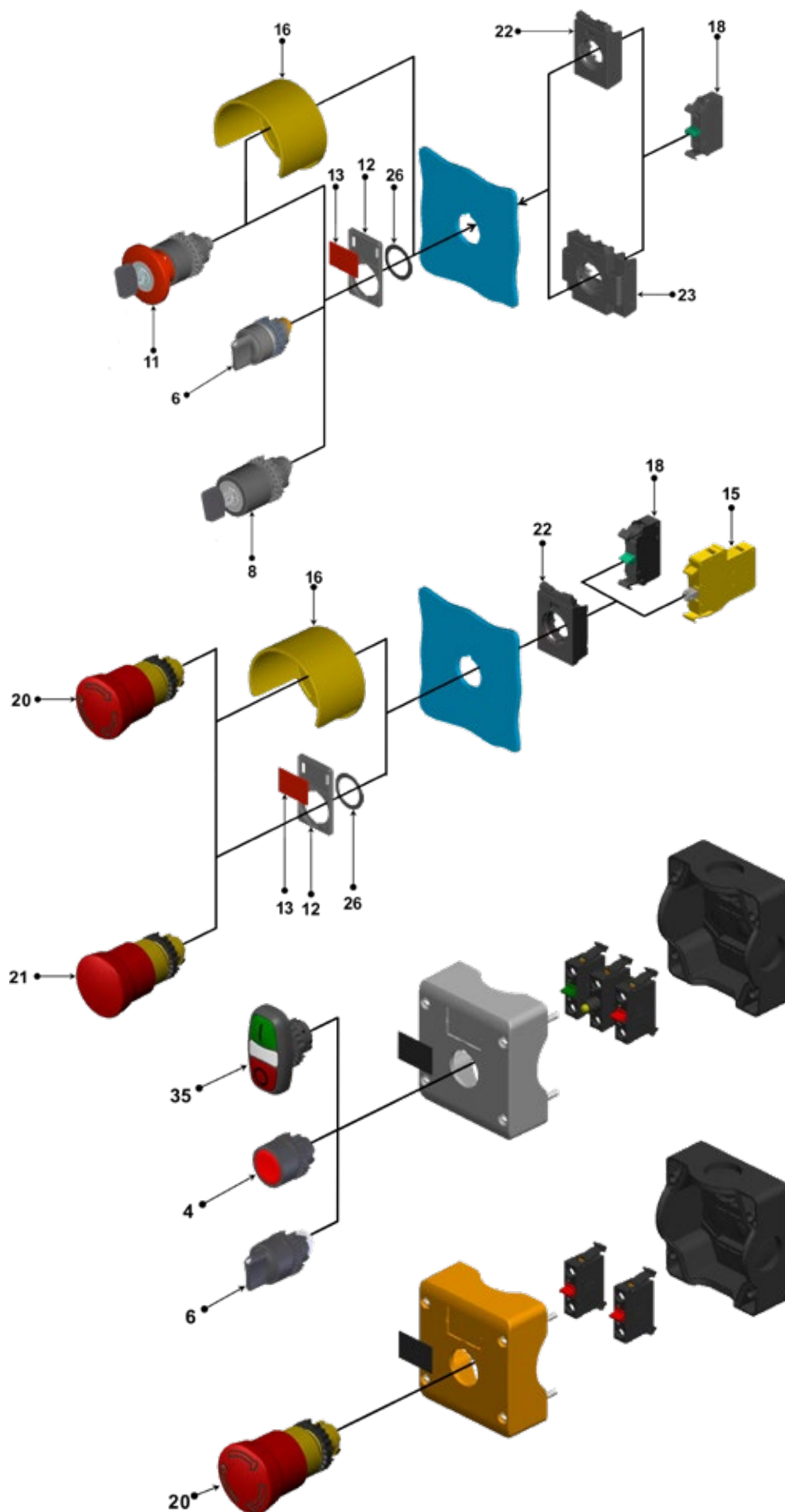
Installation is not allowed

Mounting

Legend

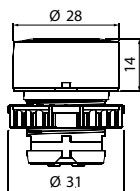
Nº	Description
1	IP52 twin pushbutton
2	Protective silicone cap for twin pushbutton
3	Illuminated pushbutton
4	Flush head pushbutton
5	Protective silicone cap for flush head pushbutton
6	Switch/switch selector
7	Illuminated switch/switch selector
8	Switch key selector
9	Cap for LED module
10	Mushroom pushbutton
11	Mushroom pushbutton with key
12	Label plate
13	Marking plate (27 x 18 mm)
14	IP52 twin pushbutton
15	Mushroom pushbutton contact block with self-monitoring function
16	Protection against accidental pressing of the emergency STOP pushbutton
17	LED module
18	Contact block
19	Latch module
20	Emergency STOP mushroom pushbutton (turn to release)
21	Emergency STOP mushroom pushbutton (pull to release)
22	3-module holder for contact blocks and LED modules
23	5-module holder for contact blocks and LED modules
24	Extended head pushbutton, illuminated
25	Mushroom pushbutton, illuminated
26	Adaptor ring
27	Protective silicone cap for illuminated flush head and extended head pushbutton
28	Label plate for IP52 twin pushbutton



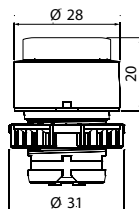


Dimensions, mounting

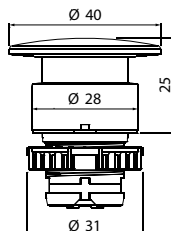
Non-illuminated flush head pushbutton



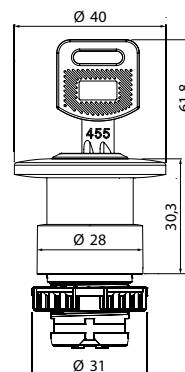
Non-illuminated extended head pushbutton



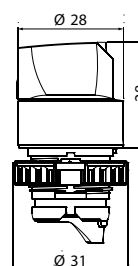
Mushroom pushbutton
Ø 40 mm (illuminated)



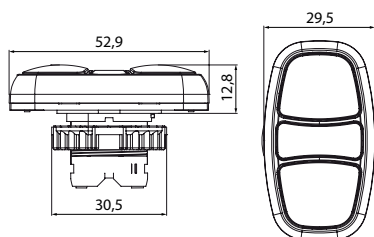
Mushroom pushbutton
Ø 40 mm (with key)



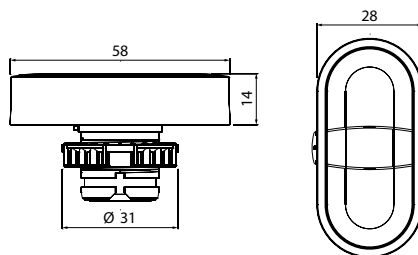
Non-illuminated
two-position „0-1“ and
three-position „1-0-2“
switch selector



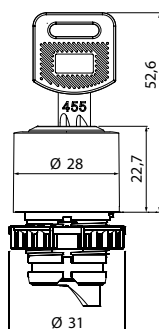
Twin pushbutton



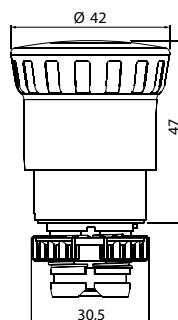
IP52 twin
pushbutton



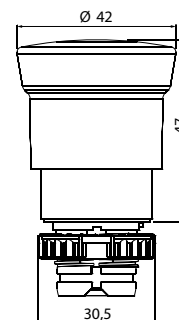
Two-position switch key selector
„0-1“



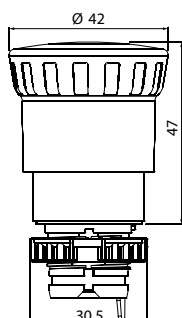
Emergency STOP mushroom pushbutton Ø 42 mm (turn to release)



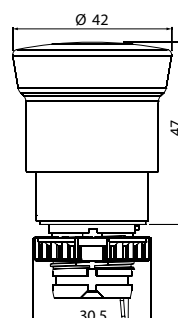
Emergency STOP mushroom pushbutton
Ø 42 mm (pull to release)



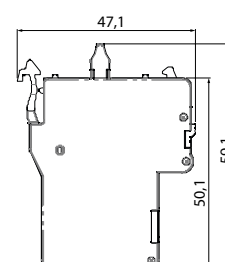
Emergency STOP mushroom pushbutton
Ø 42 mm, self-monitoring function
(turn to release)



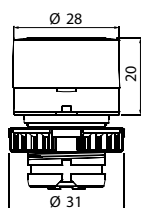
Emergency STOP mushroom pushbutton
Ø 42 mm, self-monitoring function
(pull to release)



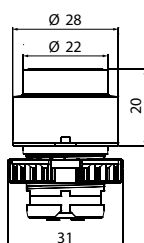
Contact block for Mushroom pushbutton
with self-monitoring function



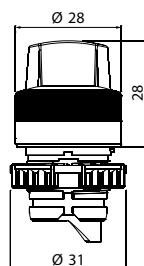
Illuminated flush head pushbutton



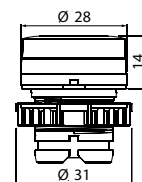
Illuminated extended head pushbutton



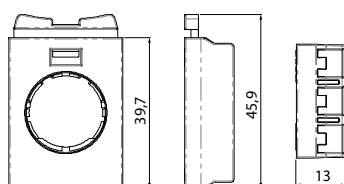
Illuminated two-position „0-1“ and three-position „1-0-2“ switch selector



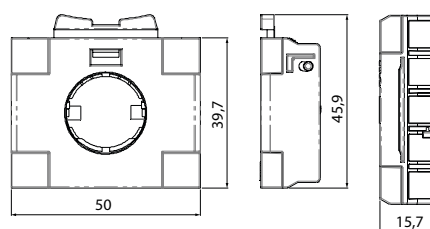
Cap for LED module



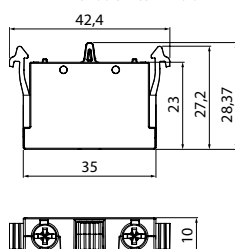
3-module holder for contact blocks and LED modules



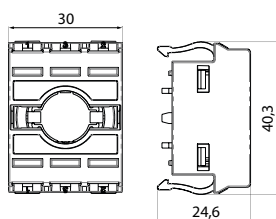
5-module holder for contact blocks and LED modules



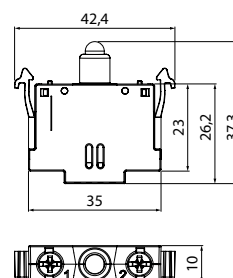
Contact block with screw terminals



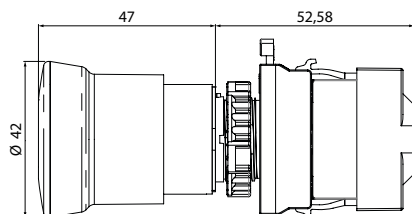
Latch module



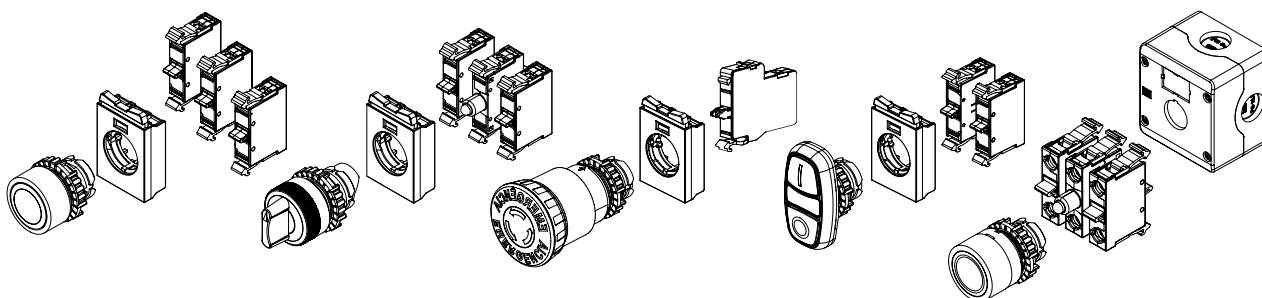
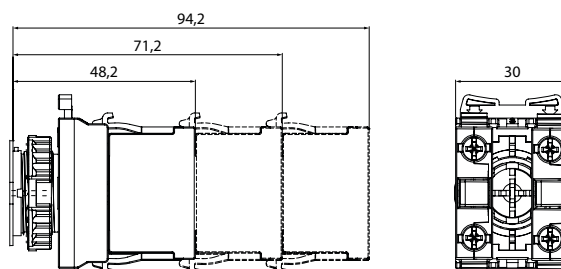
LED module

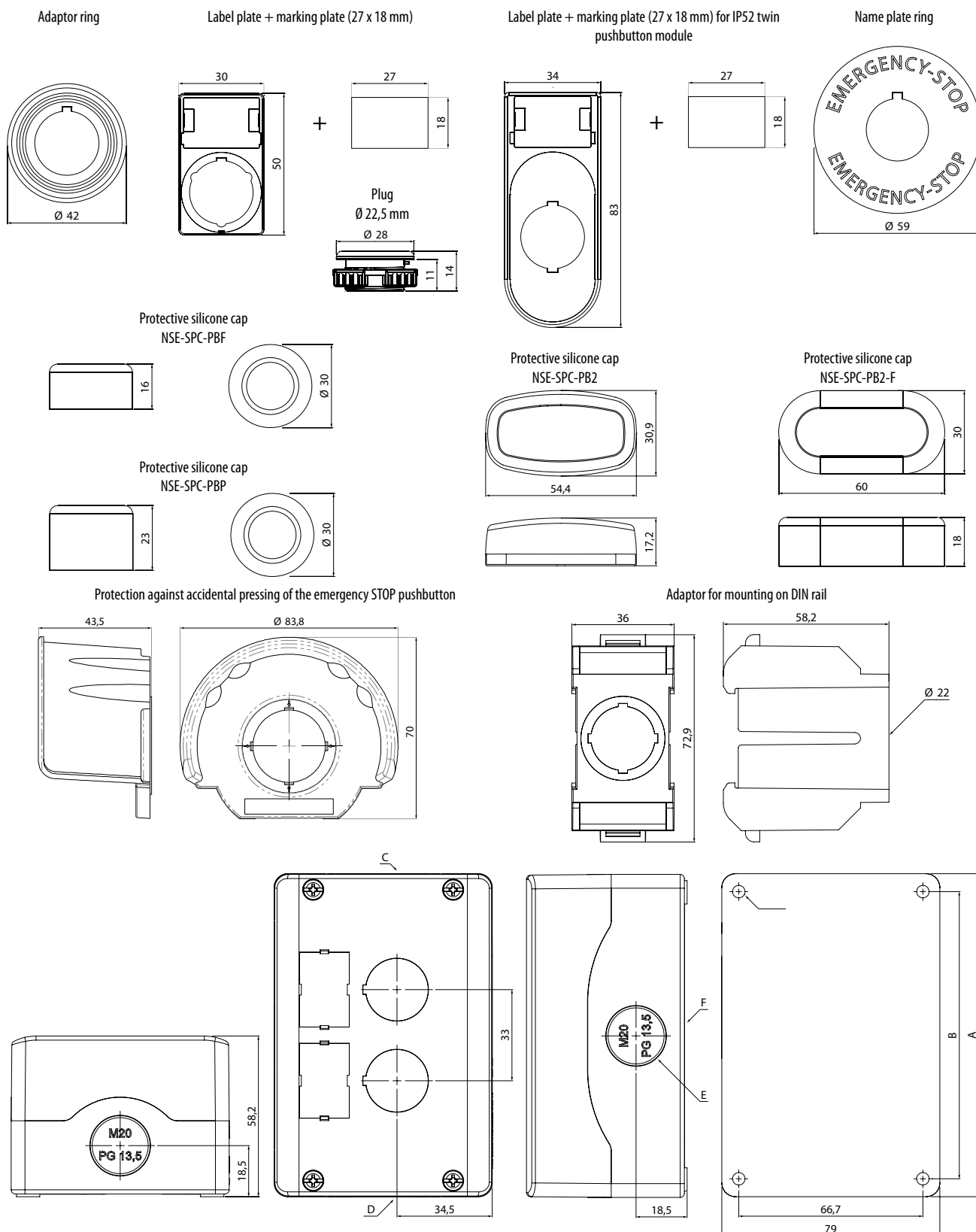


Mushroom emergency pushbutton kit:
- Emergency STOP mushroom pushbutton
- 3 modular contact block holder
- Contact blocks
- Module retainer



Installation of contact blocks
1, 2, 3 level





Enclosures

No. of holes	A	B	Cable entry			
			C (bottom)	D (above)	E (sideways)	F (with base)
1	74	66,7	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	2x $\varnothing M16$
2	117	104	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	2x $\varnothing M16$
3	150	137	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	2x $\varnothing M20$ /PG13,5	2x $\varnothing M16$
4	183	170	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	2x $\varnothing M20$ /PG13,5	2x $\varnothing M16$
6	249	236	1x $\varnothing M20$ /PG13,5	1x $\varnothing M20$ /PG13,5	2x $\varnothing M20$ /PG13,5	2x $\varnothing M16$



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