

ETISIG

Pushbutton Actuators and LED Indicators 540

Pushbutton Stations 548

Technical Data 567

PUSHBUTTON ACTUATORS AND LED INDICATORS



Pushbutton Actuators and LED Indicators

Actuators and indicators are used in control circuits for direct and remote management of operations, vital for industries, commercial establishments and domestic installations. The range offers reliability, critical to operational control, together with flexibility so important to panel assemblers, with the standardised modular construction. The actuators and indicators together with contact blocks, LED holders, integral indicators and actuators conform to international standards 60947-5-1.

- All Actuators are supplied with First Row Clip as shown.
- All Actuators except LED Indicators have black collar made of ABS material. There is an option to buy chrome collar.
- The Actuator and Indicator fronts are IP65 .
- The key is withdrawable in 'O' position for Lock & Key Head Actuators as a standard feature.
- Symmetrical Head, Lever Head and Lock & Key Actuators are supplied with anti rotation ring (for mounting, see drill plan in continuation).
- The Integral Indicators are suitable for 24V AC/DC and 240V AC.
- The illuminated Actuators do not include LED Holders. There are need to be chosen separately.

Application:

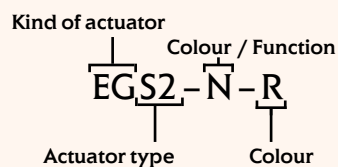
- panel control and signaling system
- control panels

Advantages:

- segmental construction
- simplicity of assembly and dismantling
- mounting in standardized control panel holes
Ø 22,5 mm
- snap mounting system components for brackets
- the ability to cascade system expansion of connectors structure (horizontal and vertical);
- degree of protection IP65
- LVGP (Low Voltage Glow Protection) protects against unwanted illumination of LED in case of low voltage of supply (below 60 V) or appearance of leakage currents



Type Designation:



Type description			
Kind of actuator	Actuator type	Colour / Function:	Colour:
EG – Non-Illuminated Actuators	F – Flush Head P – Projecting Head	R – Red	
		G – Green	
		Y – Yellow	
		C – Black	
		B – Blue	
		A – Orange (Amber) W – White	
	T – Twin touch	C – Black	R – Red
	M – Mushroom	P – Push Type T – Push-Turn	
	S2 – Selector actuator – symemetric head – 2 position	N – Without Self Return	R – Red
		S – With Self Return	G – Green
		N90* – deflection of 90° between the extreme positions without self return	C – Black W – White
	S3 – Selector actuator – symemetric head – 3 position	NN – Without self return from both sides	R – Red
SS – With self return from both sides		G – Green	
SN – Self return from left side		C – Black	
NS – Self return from right side		W – White	
K2 – Key – 2 position	XY45* – deflection of 90° between the extreme positions	C – Black	
	XZ90* – deflection of 90° between the extreme positions		
	XY90* – deflection of 90° between the extreme positions		
	XY – Without Self Return XZ – With Self Return		
K3 – Key – 3 position	ZXZ – With self return from both sides	C – Black	
	XYX – Without self return from both sides		
	ZXY – Self return from left side		
	YXZ – Self return from right side		
EG – Illuminated Actuators	PI – Projecting Head Illum. FI – Flush Head Illum.	R - Red	
		G - Green	
		Y - Yellow	
		C - Black	
		B - Blue	
		A - Amber W-White	
	TI – Twin touch Illum.	B - Blue	
		A - Amber	
		S - Colourless	
	S2I – Selector actuator – symemetric head – 2 position illum.	N - Without self return	R – Red
		S - With self return	G – Green
		N90* - deflection of 90° between the extreme positions without self return	W – White
S3I – Selector actuator – symemetric head – 3 position illum.	NN - Without self return from both sides	R – Red	
	SS - With self return from both sides	G – Green W – White	
EC – Non-Illuminated integrated actuators	F – Flush Head	10 - 1 NO	R – Red G – Green Y – Yellow C – Black B – Blue A – Orange (Amber) W – White
		01 - 1 NC	
		11 - 1 NO and 1 NC contacts	
	M – Mushroom	P10 - Monostable with 1 NO contact	R – Red
		P01 - Monostable with 1 NC contact	
		T10 - Push-Turn with 1 NO contact	
T01 - Push-Turn with 1 NC contact			
EC – Illuminated integrated actuators	LI – LED indicator	024C - 24 V AC/DC	R – Red G – Green Y – Yellow B – Blue A – Orange (Amber) W – White
		240A - 240 V AC	

Note:

*X – Position of removing the key; *Y – Position you can't remove the key; *Z – Position of self returning

*In standard actuators (selector and key actuator) in which after first dash you haven't got any number (for example EGK2-XY-C) then the deflection is 45° and position looks like this



* In two positions key actuators in which after first dash you have got "45" number (for example EGK2-XY45-C) then the deflection is 90° and position looks like this:



* In standard actuators (selector and key actuator) in which after first dash you have got "90" number (for example EGK2-XY90-C) then the deflection is 90° and position looks like this:



Non-illuminated actuators



Flush head pushbutton

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGF-R	Red	004771240	0,02	10/140
EGF-G	Green	004771241	0,02	10/140
EGF-C	Black	004771242	0,02	10/140
EGF-Y	Yellow	004771243	0,02	10/140
EGF-W	White	004771244	0,02	10/140
EGF-B	Blue	004771245	0,02	10/140
EGF-A	Amber	004771246	0,02	10/140

Projecting head actuator

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGP-R	Red	004771260	0,02	10/140
EGP-G	Green	004771261	0,02	10/140
EGP-C	Black	004771262	0,02	10/140
EGP-Y	Yellow	004771263	0,02	10/140
EGP-W	White	004771264	0,02	10/140
EGP-B	Blue	004771265	0,02	10/140
EGP-A	Amber	004771266	0,02	10/140

Mushroom pushbutton, Push function

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGM-P-R	Red	004771280	0,024	10/140
EGM-P-RCh	Red / Chrome	004771281	0,024	10/140

Mushroom pushbutton, Push-Turn function

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGM-T-R	Red	004771290	0,024	10/140
EGM-T-RCh	Red / Chrome	004771291	0,024	10/140

Symetric head actuator, 2 position with non spring return 0-1, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS2-N-R	Red	004771300	0,019	10/140
EGS2-N-G	Green	004771301	0,019	10/140
EGS2-N-C	Black	004771302	0,019	10/140
EGS2-N-Y	Yellow	004771303	0,019	10/140
EGS2-N-W	White	004771304	0,019	10/140

Symetric head actuator, 2 position with spring return 0-1, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS2-S-R	Red	004771310	0,019	10/140
EGS2-S-G	Green	004771311	0,019	10/140
EGS2-S-C	Black	004771312	0,019	10/140
EGS2-S-W	White	004771313	0,019	10/140

Symetric head actuator, 3 position with non spring return 1-0-2, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS3-NN-R	Red	004771340	0,019	10/140
EGS3-NN-G	Green	004771341	0,019	10/140
EGS3-NN-C	Black	004771342	0,019	10/140
EGS3-NN-W	White	004771343	0,019	10/140

Selector actuator -symmetric head, 2pos. Non spring Return 0-90° deg.

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS2-N90-R	Red	004771320	0,019	10/140
EGS2-N90-G	Green	004771321	0,019	10/140
EGS2-N90-C	Black	004771322	0,019	10/140
EGS2-N90-W	White	004771323	0,019	10/140

Pushbutton Actuators and LED Indicators

Selector actuator -symmetric head, 3pos. Spring Return

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS3-SS-R	Red	004771344	0,019	10/140
EGS3-SS-G	Green	004771345	0,019	10/140
EGS3-SS-C	Black	004771346	0,019	10/140
EGS3-SS-W	White	004771347	0,019	10/140

Symmetric head actuator, 3 position with spring return from left 1-0-2, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS3-SN-R	Red	004771348	0,019	10/140
EGS3-SN-G	Green	004771349	0,019	10/140
EGS3-SN-C	Black	004771350	0,019	10/140
EGS3-SN-W	White	004771351	0,019	10/140

Symmetric head actuator, 3 position with spring return from right 1-0-2, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS3-NS-R	Red	004771352	0,019	10/140
EGS3-NS-G	Green	004771353	0,019	10/140
EGS3-NS-C	Black	004771354	0,019	10/140
EGS3-NS-W	White	004771355	0,019	10/140

Key actuator, 2 position 0-1, 45°

Type	Colour	Code number	Function	Weight [kg]	Packaging [pcs]
EGK2-XY-C	Black	004771370	Without self return	0,05	10/140
EGK2-XZ-C	Black	004771372	With self return	0,05	10/140

Key actuator, 2 position 0-1, 90°

Type	Colour	Code number	Function	Weight [kg]	Packaging [pcs]
EGK2-XY45-C	Black	004771373	Without self return	0,05	10/140
EGK2-XY90-C	Black	004771371	Without self return	0,05	10/140
EGK2-XZ90-C	Black	004771374	With self return	0,05	10/140

Key actuator, 3 position 1-0-2, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGK3-ZXZ-C	Black	004771380	0,05	10/140
EGK3-YYX-C	Black	004771381	0,05	10/140
EGK3-ZXY-C	Black	004771382	0,05	10/140
EGK3-YYZ-C	Black	004771383	0,05	10/140

Twin touch actuator

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGT-C	Black	004771390	0,024	10/140



Integral Pushbuttons

Flush head integral pushbutton - 1 NO

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECF-10-R	Red	004771450	0,021	20/300
ECF-10-G	Green	004771451	0,021	20/300
ECF-10-Y	Yellow	004771452	0,021	20/300
ECF-10-C	Black	004771453	0,021	20/300
ECF-10-B	Blue	004771454	0,021	20/300
ECF-10-W	White	004771455	0,021	20/300
ECF-10-A	Amber	004771456	0,021	20/300

Flush head integral pushbutton - 1 NC

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECF-01-R	Red	004771460	0,021	20/300
ECF-01-G	Green	004771461	0,021	20/300
ECF-01-Y	Yellow	004771462	0,021	20/300
ECF-01-C	Black	004771463	0,021	20/300
ECF-01-B	Blue	004771464	0,021	20/300
ECF-01-W	White	004771465	0,021	20/300
ECF-01-A	Amber	004771466	0,021	20/300





Flush head integral pushbutton - 1 NO + 1 NC

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECF-11-R	Red	004771470	0,025	20/300
ECF-11-G	Green	004771471	0,025	20/300
ECF-11-Y	Yellow	004771472	0,025	20/300
ECF-11-C	Black	004771473	0,025	20/300
ECF-11-B	Blue	004771474	0,025	20/300
ECF-11-W	White	004771475	0,025	20/300
ECF-11-A	Amber	004771476	0,025	20/300

Mushroom integral actuator, Push function, 1 NO

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECM-P10-R	Red	004771480	0,028	10/150

Mushroom integral actuator, Push function, 1 NC

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECM-P01-R	Red	004771481	0,028	10/150

Mushroom integral actuator, Push-Turn function, 1 NO

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECM-T10-R	Red	004771482	0,028	10/150

Mushroom integral actuator, Push-Turn function, 1 NC

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
ECM-T01-R	Red	004771483	0,028	10/150

Illuminated actuators



Flush head pushbutton

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGFI-R	Red	004771250	0,02	10/140
EGFI-G	Green	004771251	0,02	10/140
EGFI-Y	Yellow	004771252	0,02	10/140
EGFI-W	White	004771253	0,02	10/140
EGFI-B	Blue	004771254	0,02	10/140
EGFI-A	Amber	004771255	0,02	10/140

Projecting head actuator

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGPI-R	Red	004771270	0,02	10/140
EGPI-G	Green	004771271	0,02	10/140
EGPI-Y	Yellow	004771272	0,02	10/140
EGPI-W	White	004771273	0,02	10/140
EGPI-B	Blue	004771274	0,02	10/140
EGPI-A	Amber	004771275	0,02	10/140

Symetric head actuator, 2 position with spring return 0-1, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS2I-S-R	Red	004771330	0,019	10/140
EGS2I-S-G	Green	004771331	0,019	10/140
EGS2I-S-W	White	004771332	0,019	10/140

Symetric head actuator, 2 position with non spring return 0-1, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EGS2I-N-R	Red	004771333	0,019	10/140
EGS2I-N-G	Green	004771334	0,019	10/140
EGS2I-N-W	White	004771335	0,019	10/140

Pushbutton Actuators and LED Indicators

Symmetric head actuator, 2 position with non spring return 0-1, 90°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]	
EGS2I-N90-R		Red	004771336	0,019	10/140
EGS2I-N90-G		Green	004771337	0,019	10/140
EGS2I-N90-W		White	004771338	0,019	10/140

Symmetric head actuator, 3 position with spring return 1-0-2, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]	
EGS3I-SS-R		Red	004771360	0,019	10/140
EGS3I-SS-G		Green	004771361	0,019	10/140
EGS3I-SS-W		White	004771362	0,019	10/140

Symmetric head actuator, 2 position with non-spring return 1-0-2, 45°

Type	Colour	Code number	Weight [kg]	Packaging [pcs]	
EGS3I-NN-R		Red	004771363	0,019	10/140
EGS3I-NN-G		Green	004771364	0,019	10/140
EGS3I-NN-W		White	004771365	0,019	10/140

Twin touch actuator

Type	Colour	Code number	Weight [kg]	Packaging [pcs]	
EGTI-A		Amber	004771391	0,024	10/140
EGTI-Y		Yellow	004771392	0,024	10/140
EGTI-S		Colourless	004771393	0,024	10/140



Integral LED indicators

LED indicators 24 V AC/DC

Type	Colour	Code number	Weight [kg]	Packaging [pcs]	
ECLI-024C-R		Red	004771210	0,018	20/300
ECLI-024C-G		Green	004771211	0,018	20/300
ECLI-024C-Y		Yellow	004771212	0,018	20/300
ECLI-024C-B		Blue	004771213	0,018	20/300
ECLI-024C-A		Amber	004771214	0,018	20/300
ECLI-024C-W		White	004771215	0,018	20/300

LED indicators 240 V AC

Type	Colour	Code number	Weight [kg]	Packaging [pcs]	
ECLI-240A-R		Red	004771230	0,018	20/300
ECLI-240A-G		Green	004771231	0,018	20/300
ECLI-240A-Y		Yellow	004771232	0,018	20/300
ECLI-240A-B		Blue	004771233	0,018	20/300
ECLI-240A-A		Amber	004771234	0,018	20/300
ECLI-240A-W		White	004771235	0,018	20/300



Accessories



Contacts				
Type	Function	Code number	Weight [kg]	Packaging [pcs]
E-NO	Normally open contact - NO	004771500	0,008	20/1000
E-NC	Normally closed contact - NC	004771501	0,008	20/1000

LED holder 24 V AC/DC				
Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EAHI-024C-R	Red	004771508	0,01	30/450
EAHI-024C-G	Green	004771509	0,01	30/450
EAHI-024C-Y	Yellow	004771510	0,01	30/450
EAHI-024C-A	Amber	004771511	0,01	30/450
EAHI-024C-B	Blue	004771512	0,01	30/450
EAHI-024C-W	White	004771513	0,01	30/450

LED holder 240 V AC				
Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EAHI-240A-R	Red	004771502	0,01	30/450
EAHI-240A-G	Green	004771503	0,01	30/450
EAHI-240A-Y	Yellow	004771504	0,01	30/450
EAHI-240A-A	Amber	004771505	0,01	30/450
EAHI-240A-B	Blue	004771506	0,01	30/450
EAHI-240A-W	White	004771507	0,01	30/450

Lens cap, for non-illuminated Flush head pushbuttons				
Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EAF-R	Red	004771518	0,002	50
EAF-G	Green	004771520	0,002	50
EAF-Y	Yellow	004771522	0,002	50
EAF-A	Amber	004771526	0,002	50
EAF-B	Blue	004771524	0,002	50
EAF-W	White	004771515	0,002	50

Lens cap, for illuminated Flush head pushbuttons				
Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EAFI-S	Colourless	004771514	0,002	50
EAFI-R	Red	004771519	0,002	50
EAFI-G	Green	004771521	0,002	50
EAFI-Y	Yellow	004771523	0,002	50
EAFI-A	Amber	004771527	0,002	50
EAFI-B	Blue	004771525	0,002	50

Adaptor Rings from 30 to 22mm				
Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EAR-F/R-Gr	Grey	004771530	0,002	50
EAR-R-Gr	Grey	004771531	0,002	50
EAR-F/R-C	Black	004771535	0,002	50
EAR-F-C	Black	004771536	0,002	50
EAR-F/R-Ch	Chrome	004771540	0,002	50
EAR-R-Ch	Chrome	004771541	0,002	50

Blanking Plugs				
Typ	Colour	Code number	Weight [kg]	Packaging [pcs]
EAB-C-Gr	Grey	004771532	0,004	50
EAB-F-Gr	Grey	004771533	0,004	50
EAB-C-C	Black	004771537	0,004	50
EAB-F-C	Black	004771538	0,004	50
EAB-C-Ch	Chrome	004771542	0,004	50
EAB-F-Ch	Chrome	004771543	0,004	50

Pushbutton Actuators and LED Indicators

Collar

Type	Colour	Code number	Weight [kg]	Packaging [pcs]
EAC-C	Black	004771528	0,002	50
EAC-Ch	Chrome	004771529	0,002	50

Antirotation ring

Type	Code number	Weight [kg]	Packaging [pcs]
EAA	004771534	0,002	50

Other

Type	Function	Code number	Weight [kg]	Packaging [pcs]
EAX	Fixing device	004771539	0,029	50
EALP	Legend plate	004771544	0,002	50



LS LED indicators

Application:

- signaling the operating states of: electrical circuits, devices (switched off / switched on) and technological processes
- control panels
- replace incandescent lamps, neon and more

Advantages:

- LED long life
- ease of installation
- reliability



LS LED indicators

Type	Code number	Name	Packaging [pcs]
LED indicator d=5 mm 24 V AC			
LS LED 5 G 24	004770801	LED indicator d=5 mm green 24 V AC	25/50/100
LS LED 5 R 24	004770802	LED indicator d=5 mm red 24 V AC	25/50/100
LS LED 5 Y 24	004770803	LED indicator d=5 mm yellow 24 V AC	25/50/100
LED indicator d=5 mm 230 V AC			
LS LED 5 G 230	004770804	LED indicator d=5 mm green 230 V AC	25/50/100
LS LED 5 R 230	004770805	LED indicator d=5 mm red 230 V AC	25/50/100
LS LED 5 Y 230	004770806	LED indicator d=5 mm yellow 230 V AC	25/50/100
LED indicator d=10 mm 24 V AC			
LS LED 10 G 24	004770807	LED indicator d=10 mm green 24 V AC	25/50/100
LS LED 10 R 24	004770808	LED indicator d=10 mm red 24 V AC	25/50/100
LS LED 10 Y 24	004770809	LED indicator d=10 mm yellow 24 V AC	25/50/100
LED indicator d=10 mm 230 V AC			
LS LED 10 G 230	004770810	LED indicator d=10 mm green 230 V AC	25/50/100
LS LED 10 R 230	004770811	LED indicator d=10 mm red 230 V AC	25/50/100
LS LED 10 Y 230	004770812	LED indicator d=10 mm yellow 230 V AC	25/50/100
LED indicator d=20 mm 24 V AC			
LS LED 20 G 24	004770813	LED indicator d=20 mm green 24 V AC	25/50/100
LS LED 20 R 24	004770814	LED indicator d=20 mm red 24 V AC	25/50/100
LS LED 20 Y 24	004770815	LED indicator d=20 mm yellow 24 V AC	25/50/100
LED indicator d=20 mm 230 V AC			
LS LED 20 G 230	004770816	LED indicator d=20 mm green 230 V AC	25/50/100
LS LED 20 R 230	004770817	LED indicator d=20 mm red 230 V AC	25/50/100
LS LED 20 Y 230	004770818	LED indicator d=20 mm yellow 230 V AC	25/50/100

Push-button stations and enclosures

Push-button stations



Pushbutton stations						
Type	Description	Function	Scheme	Code number	Weight [kg]	Packaging [pcs]
ESE1-V2	Single station Flush head pushbutton - Red - STOP - 1,NC'	STOP (Red)		004771440	0,073	1/50
ESE1-V3	Single station Flush head pushbutton - Green - START - 1,NO	START (Green)		004771441	0,073	1/50
ESE2-V4	Two station - Flush head pushbutton - Green - START - 1,NO'; Flush head pushbutton - Red - STOP - 1,NC'	START (Green) STOP (Red)		004771442	0,127	1/50
ESE2-V5	Two station - Flush head pushbutton - Green - START - 1,NO'; Mushroom Head Actuator - Red - STOP - 1,NC'	ON (Green) OFF (Red)		004771443	0,135	1/50
ESE3-V6	Three station - Flush head pushbutton - Green - FORWARD - 1,NO'; Flush head pushbutton - Red - STOP - 1,NC' Flush head pushbutton - Green - REVERSE - 1,NO'	FORWARD (Green) STOP (Red) REVERSE (Green)		004771444	0,169	1/50
ESE3-V7	Three station - Flush head pushbutton - Green - UP - 1,NO'; Flush head pushbutton - Red - STOP - 1,NC'; Flush head pushbutton - Green - DOWN - 1,NO'	UP (Green) STOP (Red) DOWN (Green)		004771445	0,169	1/50
ESE3-V8	Three station - Red LED indicator 240V; Flush head pushbutton - Green - START - 1,NO'; Flush head pushbutton - RED - STOP - 1,NC'	LED indicator (Red) START (Green) STOP (Red)		004771446	0,172	1/50
ESE1Y-V1	Emergency STOP - Yellow cover, black base - Red Actuator	STOP (Red)		004771447	0,073	1/50

Pushbutton stations and enclosures

Application:

Pushbutton stations are designed to control and operate gantries, cranes and lifts. They ensure easy and trouble-free operation in a variety of weather conditions.

Advantages:

- Protection class IP65
- Possibility of mounting integral pushbuttons and LED indicators
- Durability and reliability

Enclosures

Empty enclosures

Type	Description	Code number	Weight [kg]	Packaging [pcs]
ESE1	Single station enclosure	004771545	0,054	1/50
ESE2	Two station enclosure	004771546	0,093	1/40
ESE3	Three station enclosure	004771547	0,11	1/30
ESE1Y	Single station enclosure, yellow cover/ black base	004771548	0,054	1/50

For empty enclosures can be mounted only integral pushbuttons and LED indicators



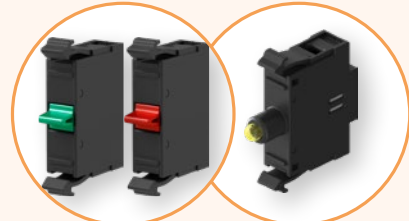
Pushbuttons, selector switches, lights and control station enclosures



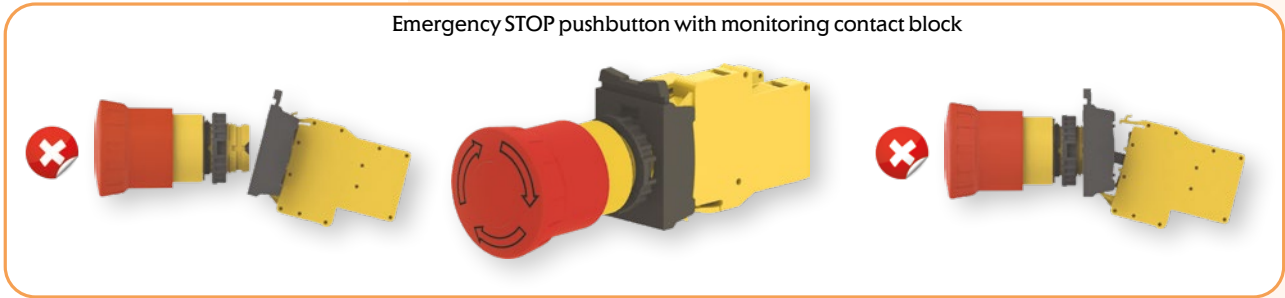
→ Standard device includes: the module itself, rubber seal, nut



→ Cascade installation option for up to three levels



→ Possibility to mount contact blocks as well as LED module



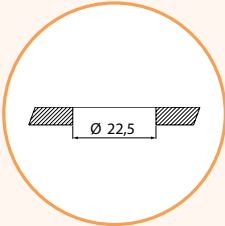
→ Latch module for set-reset function. Changes the position of the contacts of contact block by pressing once - latch function



→ Protection against accidental emergency pushbutton



→ Standard mounting diameter Ø22.5mm



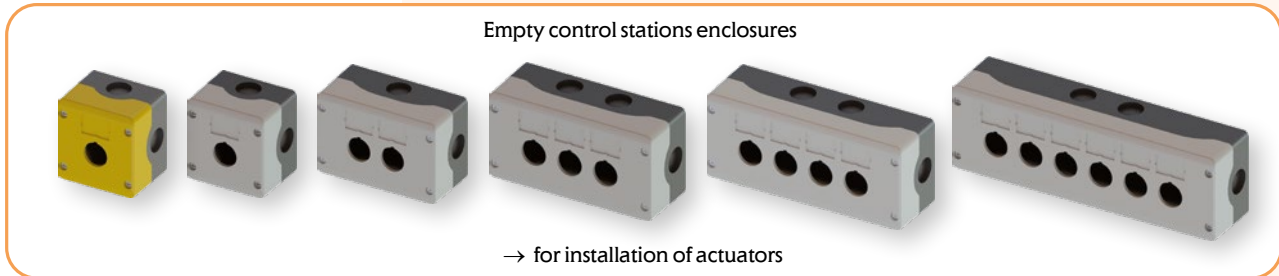
→ Protective silicone cap for extra protection against dust and moisture



→ Adaptor for mounting actuators on the DIN rail



→ Label plates



Actuators and enclosures

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

Contact blocks

Rated insulation voltage Ui	690 V
Rated insulation voltage pulse Uimp	4 kV
IP degree of protection (IEC 60529)	IP20
Conventional thermal current Ith	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

	BC...CS-NO/NC		BC-NC-PBM	
	Ue (V AC)	Ie (A)	Ue (V AC)	Ie (A)
Application Category AC-15	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
Category of DC-13 application	600	1,2	600	1,2
	Ue (V DC)	Ie (A)	Ue (V DC)	Ie (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
UL and CSA compliant design	AC/Heavy duty mode (A600) and DC/Standard mode (Q600)		-	
	Contact resistance (IEC 60255)			
	≤ 25m Ω			
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				

Features:

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

LED module

Standards	IEC 60947-5-1
Operating voltage range	0,85...1,10 x Ue
Degree of protection IP (IEC 60529)	IP20
Consumption (V AC/V DC)	10 mA
Rated insulation voltage Ui (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
Cross-section of conductors to be connected	Green 150 mcd
	1 x 0,5 mm ² ... 2 x 2,5 mm ²
Terminal torque	0,8 Nm

Non-illuminated actuators



Flush head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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

* Important: The holder and contact block are not included



Extended head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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)

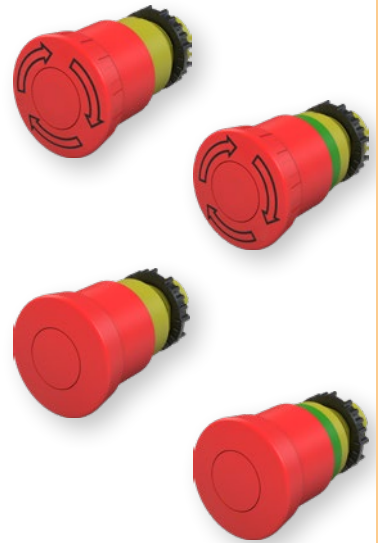
Type	Colour / description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-PB2/RG-IO	● Green/Red (I/O)	004774030		0,025	1/25
NSE-PB2/RG-STSP	● Green/Red (START/STOP)	004774031		0,025	1/25
NSE-PB2/RG	● Green/Red	004774032		0,025	1/25
NSE-PB2/WC-IO	○ White/Black (I/O)	004774033		0,025	1/25
NSE-PB2/WC-STSP	○ 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

Pushbuttons, selector switches, lights and control station enclosures

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

Type	Colour / description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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			
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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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

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

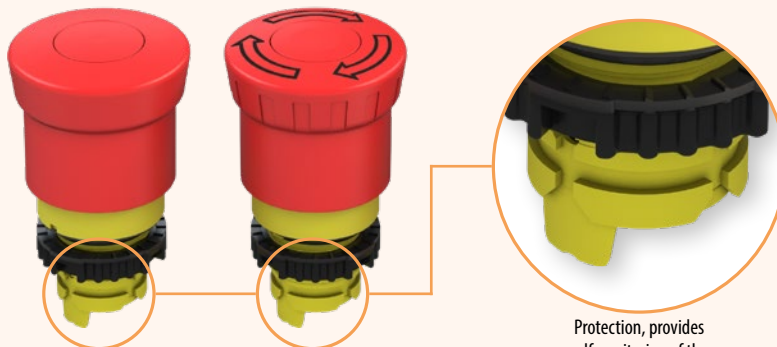
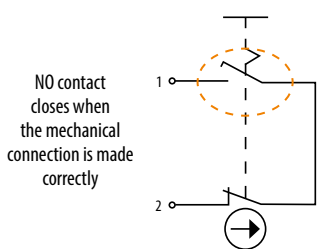
Type	Colour / description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-PBM-T-RGM	Red ● (turn to release, with indication, self monitoring option)	004774044		0,058	1/10
NSE-PBM-P-RGM	Red ● (pull to release, with indication, self monitoring option)	004774045		0,058	1/10

* Important: The holder and contact block are not included

Contact block with self-monitoring function

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

Circuit diagram

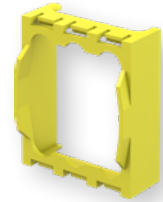


Pushbuttons, selector switches, lights and control station enclosures

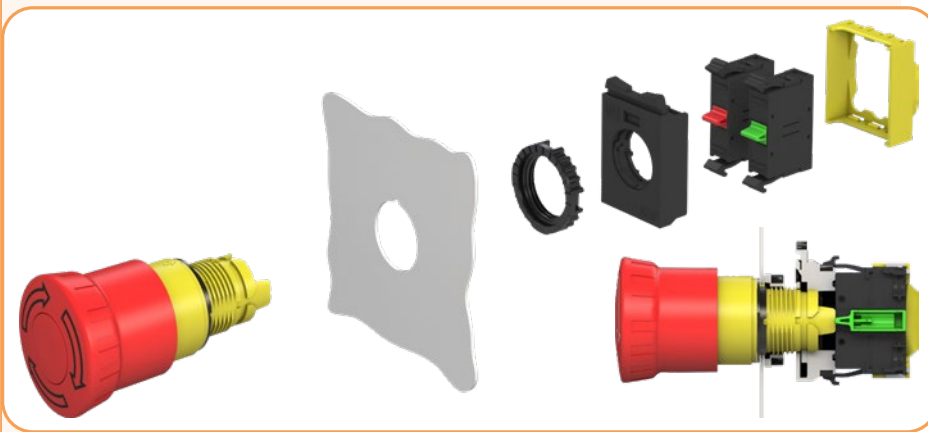
When using standard contact blocks, the NSE-PBMH retainer must be used. The contact block retainer allows all elements to be assembled into a single unit, provides greater safety and reduces the possibility of operating errors.

Contact block retainer

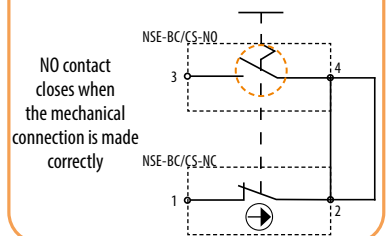
Type	Description	Code no	Compatibility	Weight [kg]	Packaging [pcs]
NSE-PBMH	Contact block retainer for checking the mechanical assembly.	004774046	Max number of contact blocks: 3 NSE-BC/CS-NO/NC blocks. Note: Does not allow overlapping of contacts	0,002	1/1



Installation of standard contact blocks for panel mounting



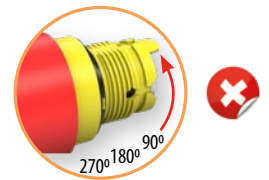
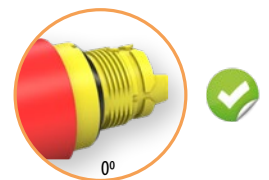
Wiring diagram for mounting standard contact blocks to ensure correct installation



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	Weight [kg]	Packaging [pcs]
NSE-PBFI-W	○ White	004774050		0,021	1/10
NSE-PBFI-R	● Red	004774051		0,022	1/10
NSE-PBFI-G	● Green	004774052		0,022	1/10
NSE-PBFI-Y	● Yellow	004774053		0,022	1/10
NSE-PBFI-B	● Blue	004774054		0,022	1/10

* Important: The holder and contact block are not included



Extended head pushbutton (spring return, non-illuminated)

Type	Colour	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-PBPI-R	● Red	004774060		0,021	1/10
NSE-PBPI-G	● Green	004774061		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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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	

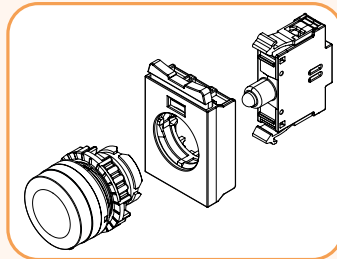
* Important: The holder and contact block are not included

Caps for LED module

Caps for LED module						
Type	Colour	Code no	Dimensions	Weight [kg]	Packaging [pcs]	
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



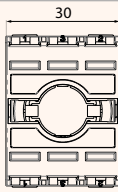
Accessories

Holder for contact blocks and LED modules					
Type	Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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	Weight [kg]	Packaging [pcs]
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

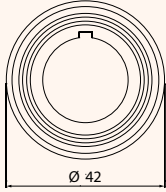
LED module						
Type	Colour	Voltage	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-ILM-024U-W	○ White	24V AC/DC	004774120		0,016	1/10
NSE-ILM-024U-R	● Red	24V AC/DC	004774121			
NSE-ILM-024U-G	● Green	24V AC/DC	004774122			
NSE-ILM-024U-Y	● Yellow	24V AC/DC	004774123			
NSE-ILM-024U-B	● Blue	24V 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			

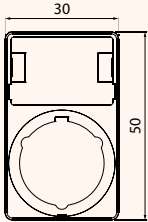
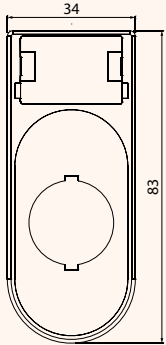


Latch module					
Type	Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-BC-LF	For set-reset function. Changes the position of the contacts of contact block by pressing once - latch funktion	004774115		0,019	1

* 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	Weight [kg]	Packaging [pcs]
NSE-RR-30/22	Ø 30 mm ... Ø 22,5 mm	004774140		0,006	1

Label plates					
Type	Description / Compatibility	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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

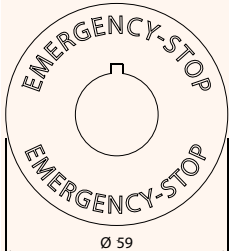
NSE-PH-SB



NSE-PH-DB+MP

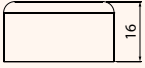
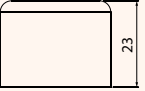
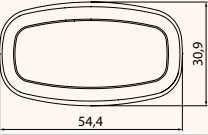
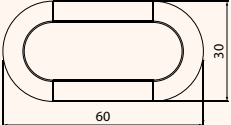
NSE-PH-DB



Nameplate ring					
Type	Colour / Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-PL-EMG	● Emergency STOP	004774145		0,009	5

Pushbuttons, selector switches, lights and control station enclosures

Protective silicone cap

Type	Compatibility	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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

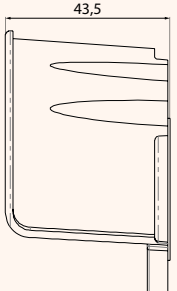


Plug

Type	Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-HP	Plug Ø 22,5 mm	004774174		0,008	5



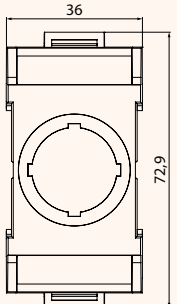
ES protection

Type	Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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

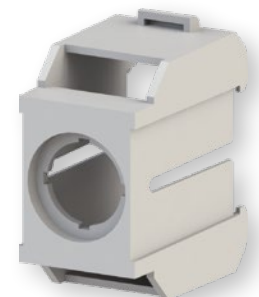


Adaptor for mounting actuators on DIN rail

Type	Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
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

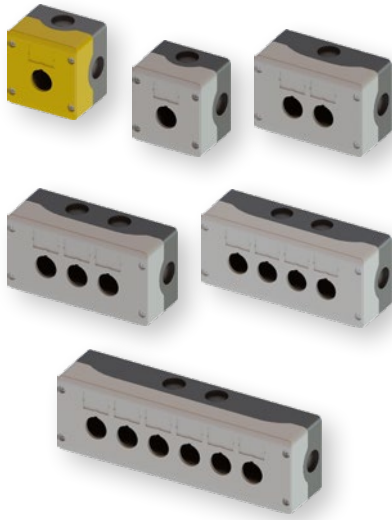


Assembly tool

Type	Description	Code no	Weight [kg]	Packaging [pcs]
NSE-FRT	Assembly tool for ring	004774177	0,025	1



Empty control station enclosures



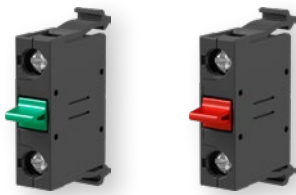
Control station enclosures

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	Weight [kg]	Packaging [pcs]
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

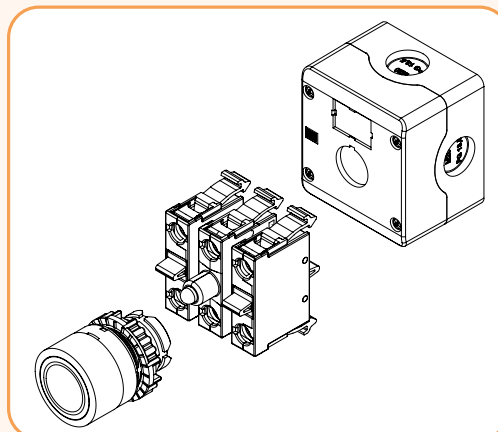
Type	Description	Code no	Dimensions	Weight [kg]	Packaging [pcs]
NSE-BC/CS-NO	1NO contact module	004774156		0,15	1
NSE-BC/CS-NC	1NC contact module	004774157		0,15	1

* 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	Weight [kg]	Packaging [pcs]
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

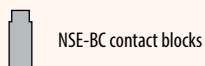
Assembly configurations

Type	Illuminated switch selectors	Non-illuminated switch selectors	Illuminated pushbuttons	
	NSE-S2I / S3I	NSE-S2 / S3 / S2K	NSE-PB2I	NSE-PBM, 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 holder ¹ NSE-FL5				
Type	Non-illuminated pushbuttons			
Max. number of contacts	NSE-PBM-T/P Max. 4	NSE-PB2 Max. 4	NSE-PBF Max. 6	NSE-PBM, NSE-PBP Max. 6
3-module holder NSE-FL3				
Max. number of contacts	-	Max. 4	Max. 6	Max. 6
5-module holder ² 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

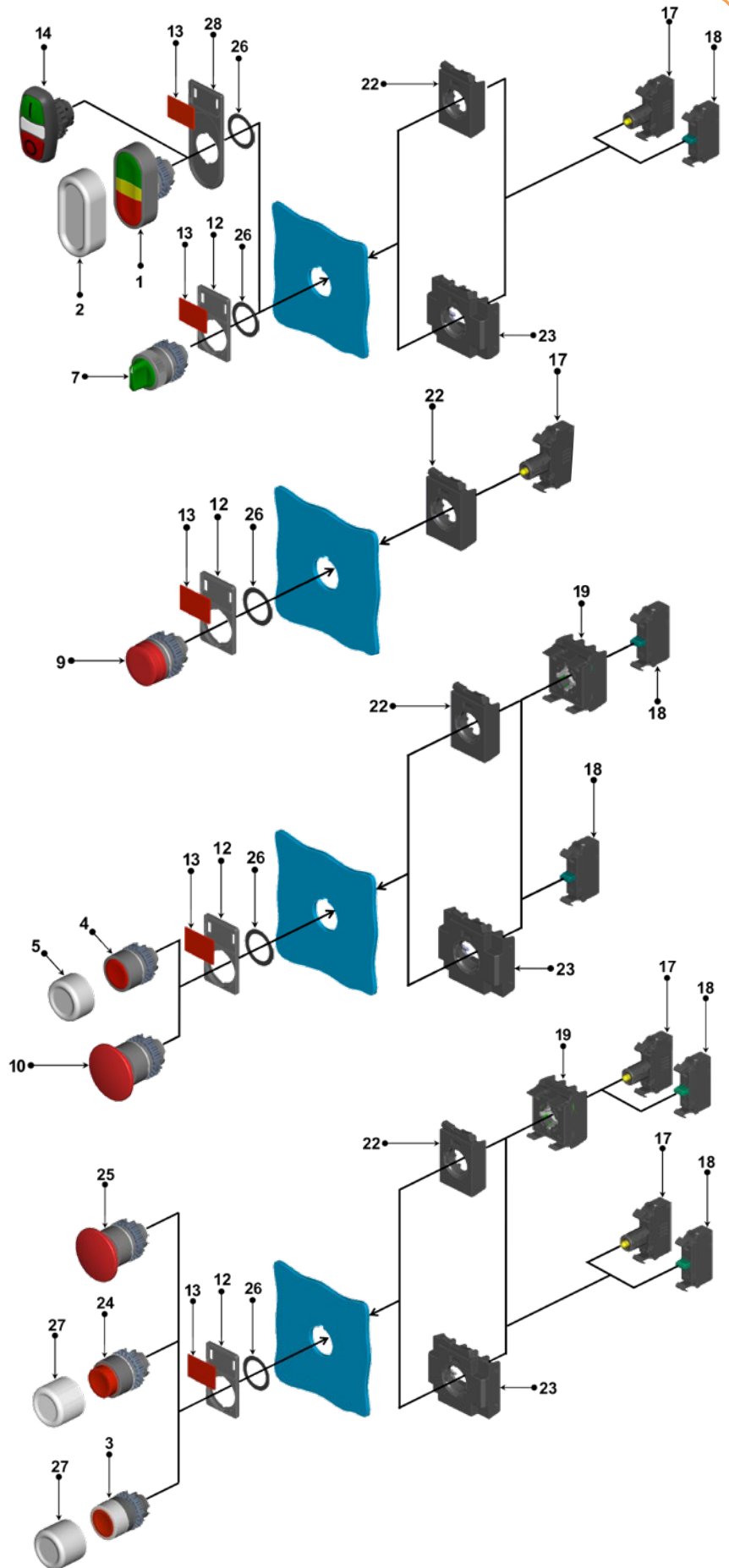


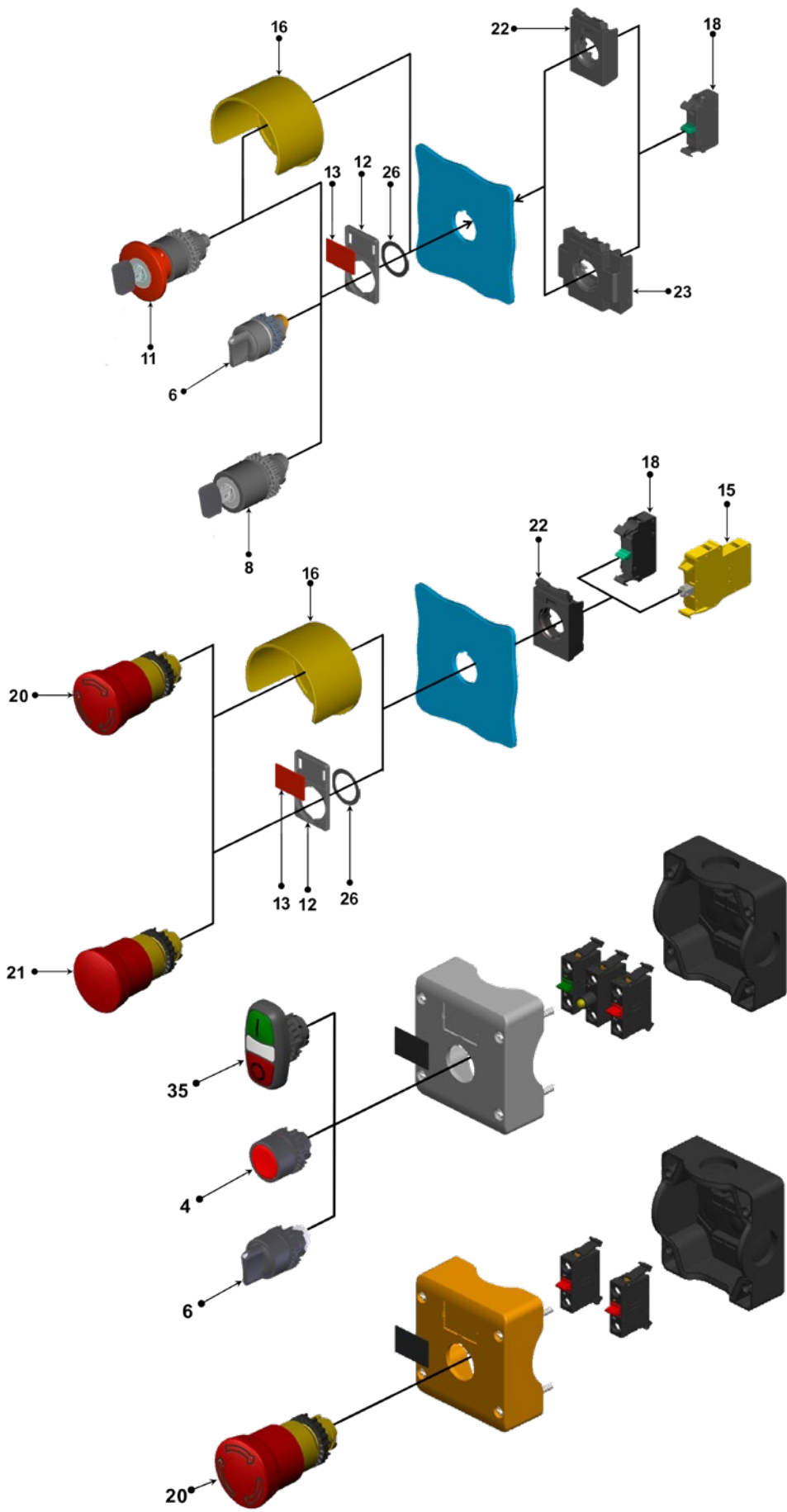
Installation is not allowed

Mounting

Legend

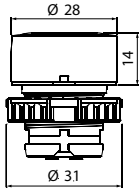
Nº	Description
1	IP52 twin pushbutton
2	Protective silicone cap for twin pushbutton
3	Illuminated pushbutton
4	Flush head pushbutton
5	Protective silicone cap for flush head pushbutton
6	Switch/switch selector
7	Illuminated switch/switch selector
8	Switch key selector
9	Cap for LED module
10	Mushroom 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



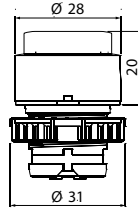


Dimensions, mounting

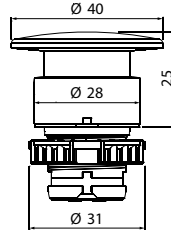
Non-illuminated flush head pushbutton



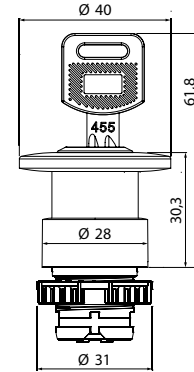
Non-illuminated extended head pushbutton



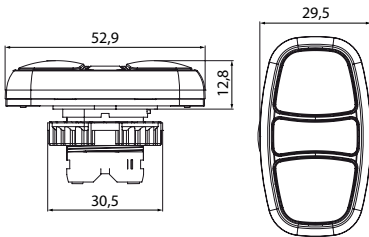
Mushroom pushbutton Ø 40 mm (illuminated)



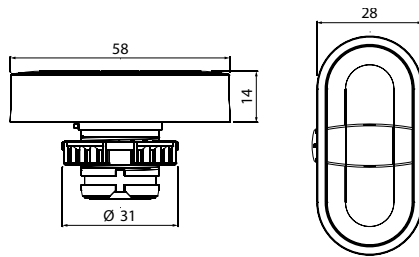
Mushroom pushbutton Ø 40 mm (with key)



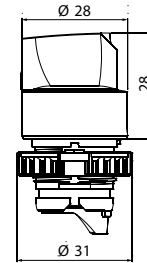
Twin pushbutton



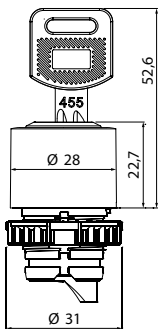
IP52 twin pushbutton



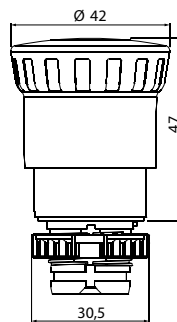
Non-illuminated two-position „0-1“ and three-position „1-0-2“ switch selector



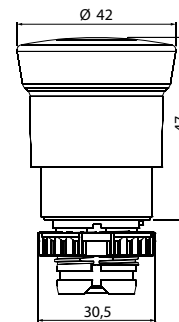
Two-position switch key selector „0-1“



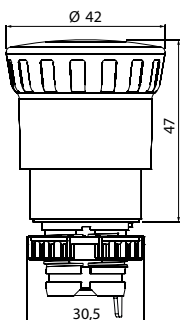
Emergency STOP mushroom pushbutton Ø 42 mm (turn to release)



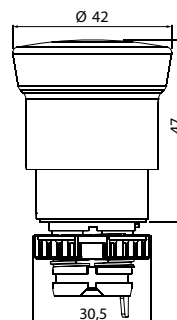
Emergency STOP mushroom pushbutton Ø 42 mm (pull to release)



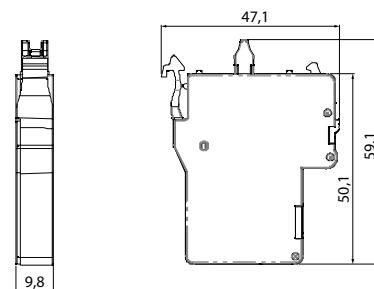
Emergency STOP mushroom pushbutton Ø 42 mm, self-monitoring function (turn to release)



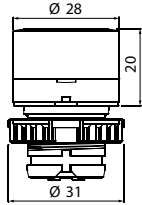
Emergency STOP mushroom pushbutton Ø 42 mm, self-monitoring function (pull to release)



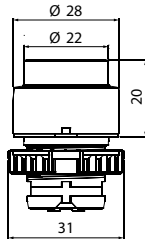
Contact block for Mushroom pushbutton with self-monitoring function



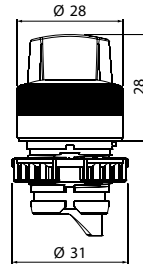
Illuminated flush head pushbutton



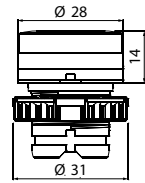
Illuminated extended head pushbutton



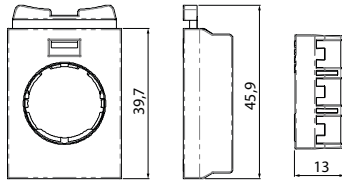
Illuminated two-position „0-1“ and three-position „1-0-2“ switch selector



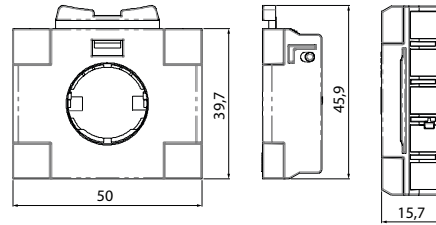
Cap for LED module



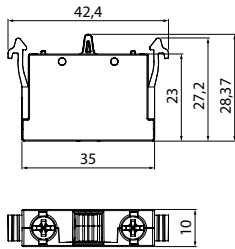
3-module holder for contact blocks and LED modules



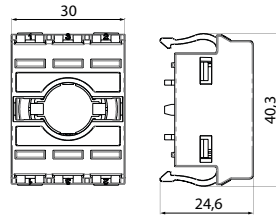
5-module holder for contact blocks and LED modules



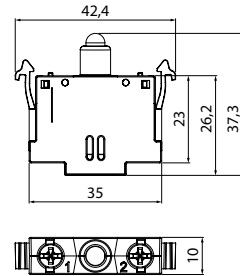
Contact block with screw terminals



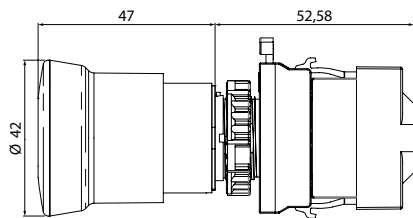
Latch module



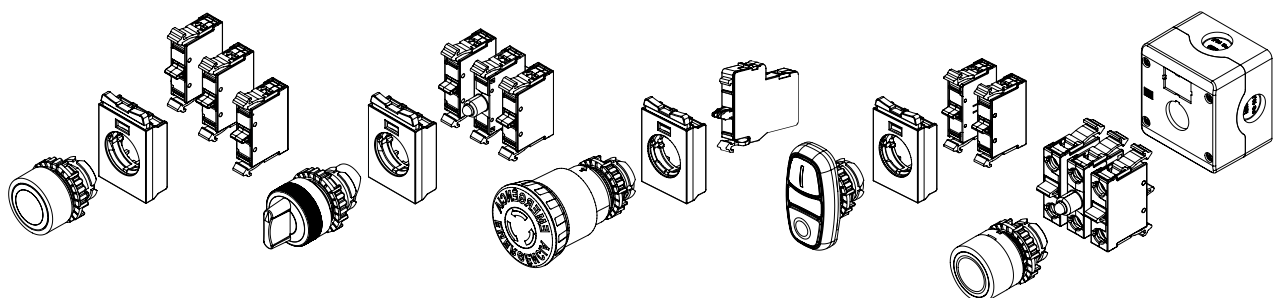
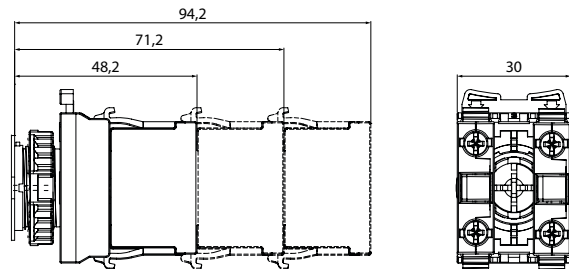
LED module



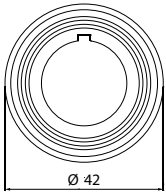
- Mushroom emergency pushbutton kit:
- Emergency STOP mushroom pushbutton
 - 3 modular contact block holder
 - Contact blocks
 - Module retainer



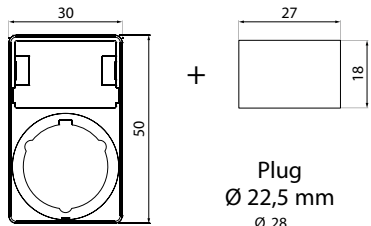
Installation of contact blocks 1, 2, 3 level



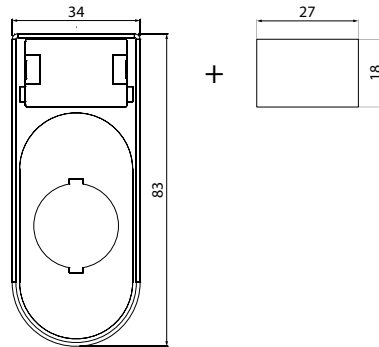
Adaptor ring



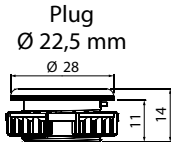
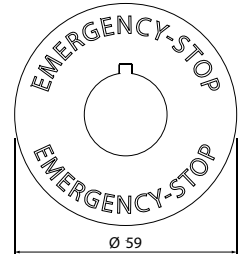
Label plate + marking plate (27 x 18 mm)



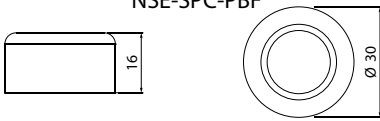
Label plate + marking plate (27 x 18 mm) for IP52 twin pushbutton module



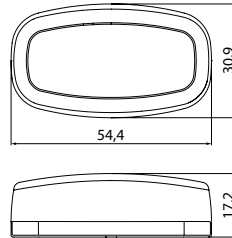
Name plate ring



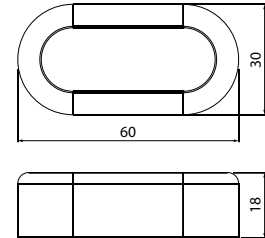
Protective silicone cap NSE-SPC-PBF



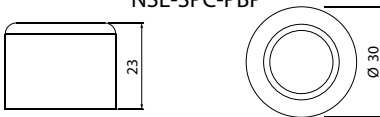
Protective silicone cap NSE-SPC-PB2



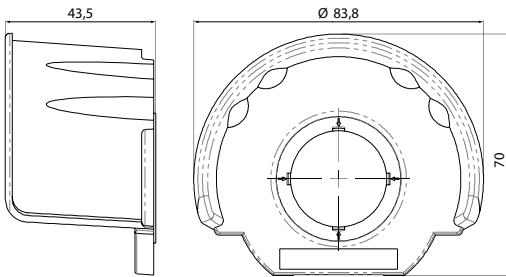
Protective silicone cap NSE-SPC-PB2-F



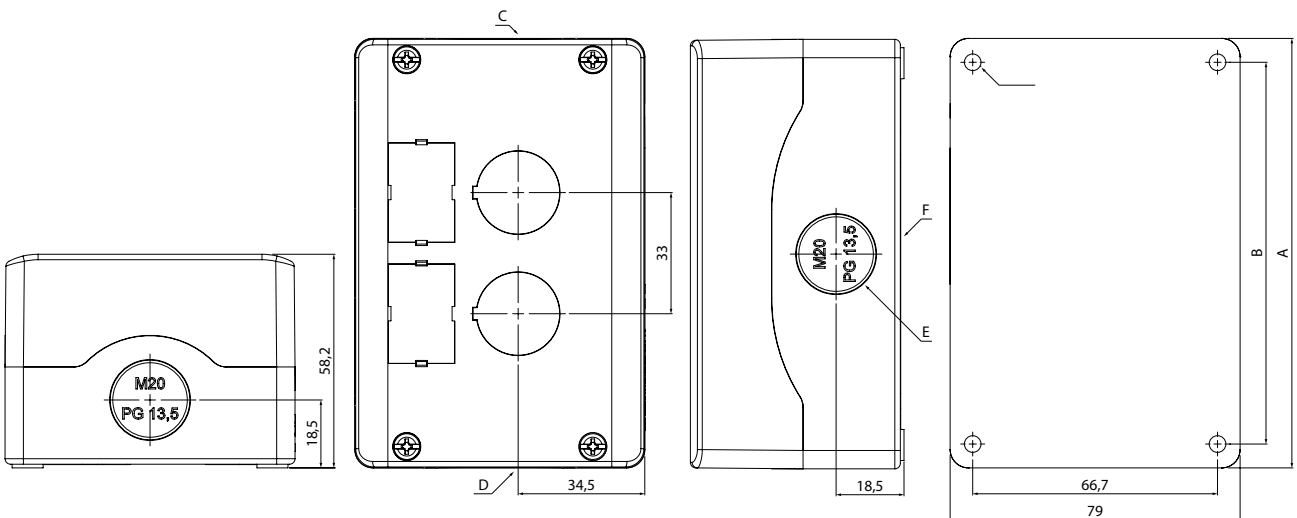
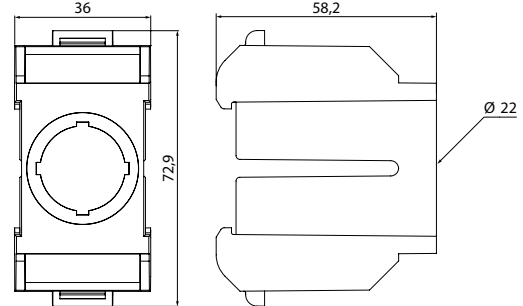
Protective silicone cap NSE-SPC-PBP



Protection against accidental pressing of the emergency STOP pushbutton



Adaptor for mounting on DIN rail



Enclosures	No. of holes	A	B	Cable entry			
				C (bottom)	D (above)	E (sideways)	F (with base)
	1	74	66,7	1x ØM20/PG13,5	1x ØM20/PG13,5	1x ØM20/PG13,5	2x ØM16
	2	117	104	1x ØM20/PG13,5	1x ØM20/PG13,5	1x ØM20/PG13,5	2x ØM16
	3	150	137	1x ØM20/PG13,5	1x ØM20/PG13,5	2x ØM20/PG13,5	2x ØM16
	4	183	170	1x ØM20/PG13,5	1x ØM20/PG13,5	2x ØM20/PG13,5	2x ØM16
	6	249	236	1x ØM20/PG13,5	1x ØM20/PG13,5	2x ØM20/PG13,5	2x ØM16