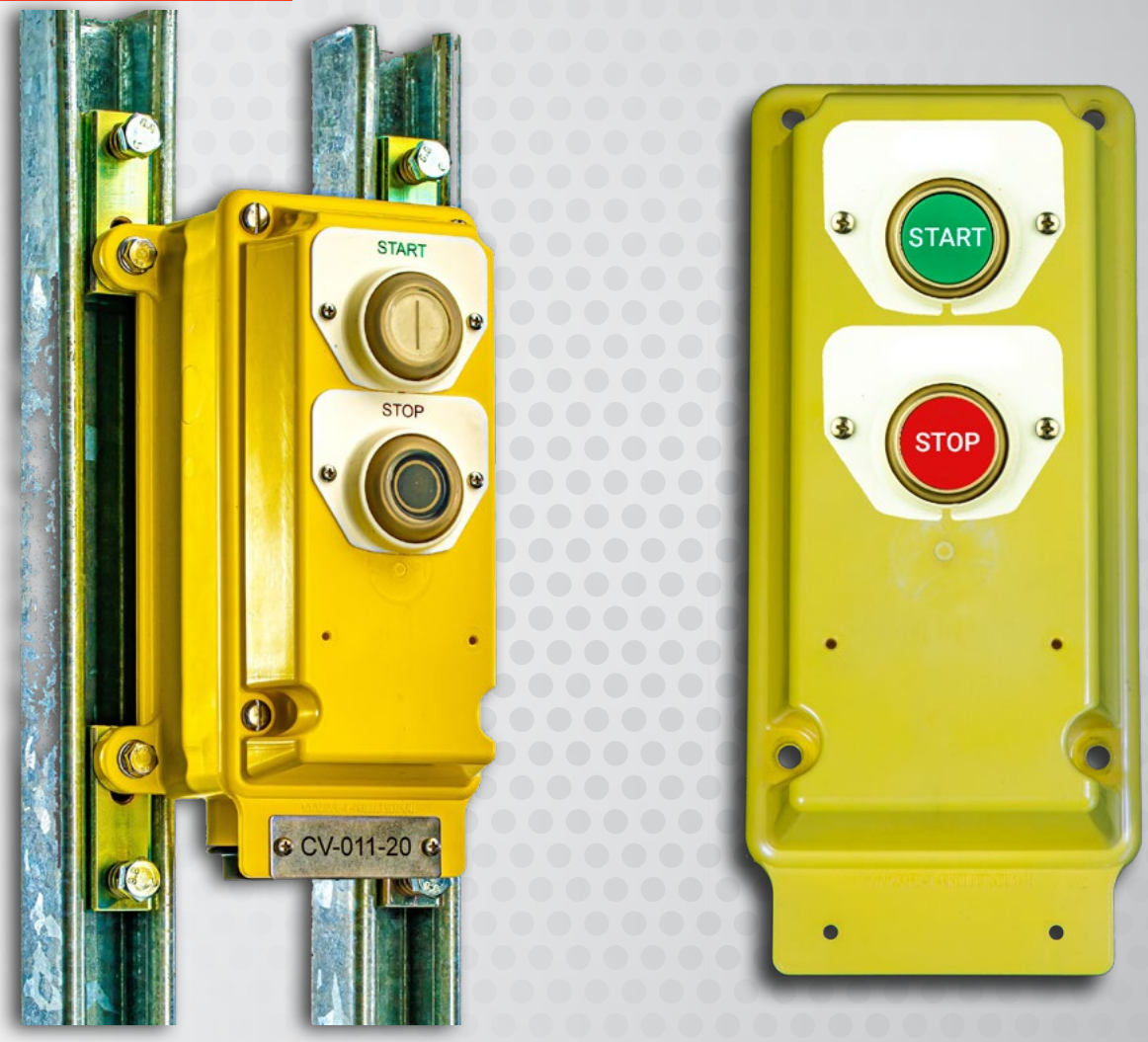
DISTRIBUTED BY COLTERLEC™

safe-t PRODUCTS

PUSH-BUTTON-STATION



GENERAL INDEX

1 DESCRIPTION
2 STANDARD RANGE PC/PBT PLASTIC
3 + ARMOURED CABLE GLAND SOCKETS (ACGS)
4 STANDARD RANGE ALUMINIUM
5 STANDARD RANGE STAINLESS STEEL
6 STANDARD RANGE HOLD-TO-RUN BUTTON PC/PBT PLASTIC
7 + ARMOURED CABLE GLAND SOCKETS (ACGS)
8 STANDARD RANGE HOLD-TO-RUN BUTTON ALUMINIUM
9 STANDARD RANGE HOLD-TO-RUN BUTTON STAINLESS STEEL
10 CUSTOM OPTIONS
11 BUTTONS
13 CONTACT BLOCKS
14 TECHNICAL DATA
15 PROTECTIVE CAPS/TAGS/SHROUD
16 PILOT LIGHTS
17 PILOT LIGHT DATA

YouTube

FOR MORE INFORMATION

www.safe-t-products.com.au

AUSTRALIAN Designed & Manufactured

PUB. No. CB_PBS V3.6

PUSH-BUTTON-STATION







The Push Button Stations are available in three enclosure materials; high impact, UV stable, flame retardant yellow PC/PBT plastic; 3mm 5052 aluminum with 6061 aluminum cable gland entries and powder coated with halogen free, low smoke, yellow polyester coating; or 2mm 316 electro-polished stainless steel.

CE Conformity

Our Push Button Station (PBS) enclosures are suitable for industrial, food and mining applications, in even the harshest of environments. The enclosure lids come with up to three 22mm diameter panel mount auxiliary control holes, fitted with controls from our standard selection of buttons, 45˚selector switches, indicator lights and potentiometers. Each control can have a maximum of five contact blocks fitted. The unique design of our PBS range maintains the enclosure's Ingress Protection (IP) rating even when the fitted controls are rated at a lower value. Any PBS device with controls from our standard range installed into the specially designed shrouds is rated to IP66/67 and IP69K.

The main IP failure point with most controls is the inability of their seals to prevent ingress of water into the station's enclosure when hit by jets of water such as during maintenance wash-down or cyclonic rain. As the seals are usually thin in their sealing face diameter, the pressure of the water can break the seal. This allows foreign material to accumulate under the seal, providing an entry point for water, dust, and other material, compromising the safety integrity and ingress protection of the station. Consequently, controls may fail prematurely or even cause electric shock to an operator leading to an incident

Our station's IP rating is protected with a one-piece lid seal fitted into a groove with an external solid protection lip that is higher than the sealing face and protrudes down over the enclosure's sealing edge once the lid is installed. Both the conduit entries are sealed with specially designed O-ring grooved and fitted conduit plugs. To increase and/or maintain the IP rating of the control's seal, the PBS lids are fitted with specially designed control protection and labeling shrouds, attached via two screws into blind mounting holes. The blind fixing holes are external to the control mounting hole, allowing for the controls to be sealed directly onto the lid. This shroud protects the seal's integrity from direct sun light, dust, foreign materials and reduces the power of impact of jets of water slowing the flow via a torturous path preventing penetration through the seal.

STANDARD RANGE BUTTONS

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

PC/PBT PLASTIC	OPERATOR + CONTACT BLOCK + SHROUD	OPERATOR + CONTACT + SHROUD =	CODE
			SCREW TERMINAL CONTACT BLOCK **PBS-P-22-1**
			SPRING TERMINAL CONTACT BLOCK **PBS-P-22-1-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-P-22-2**
			SPRING TERMINAL CONTACT BLOCK **PBS-P-22-2-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-P-22-3**
			SPRING TERMINAL CONTACT BLOCK **PBS-P-22-3-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

			SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-1**
			SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-1-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-2**
			SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-2-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-3**
			SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-3-S**

TECHNICAL NOTES

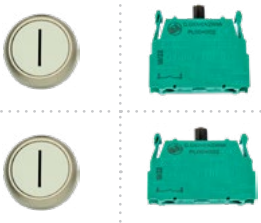
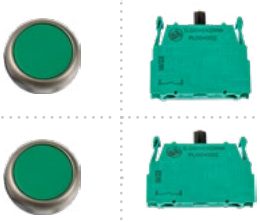
All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

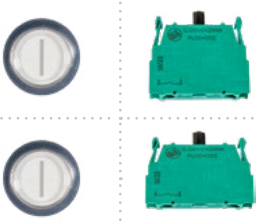
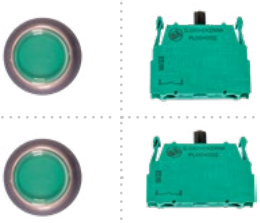
- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the “status” indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BUTTONS

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH ACGS/SHROUD

PC/PBT PLASTIC + ACGS	OPERATOR + CONTACT BLOCK + SHROUD	OPERATOR + CONTACT BLOCK + SHROUD = CODE	
			SCREW TERMINAL CONTACT BLOCK = **PBS-P-22-1-ACGS**
			SPRING TERMINAL CONTACT BLOCK = **PBS-P-22-1-S-ACGS**
			SCREW TERMINAL CONTACT BLOCK = **PBS-P-22-2-ACGS**
			SPRING TERMINAL CONTACT BLOCK = **PBS-P-22-2-S-ACGS**
			SCREW TERMINAL CONTACT BLOCK = **PBS-P-22-3-ACGS**
			SPRING TERMINAL CONTACT BLOCK = **PBS-P-22-3-S-ACGS**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH ACGS/SHROUD/SILICONE BOOT

			SCREW TERMINAL CONTACT BLOCK = **PBS-P-22B-1-ACGS**
			SPRING TERMINAL CONTACT BLOCK = **PBS-P-22B-1-S-ACGS**
			SCREW TERMINAL CONTACT BLOCK = **PBS-P-22B-2-ACGS**
			SPRING TERMINAL CONTACT BLOCK = **PBS-P-22B-2-S-ACGS**
			SCREW TERMINAL CONTACT BLOCK = **PBS-P-22B-3-ACGS**
			SPRING TERMINAL CONTACT BLOCK = **PBS-P-22B-3-S-ACGS**

TECHNICAL NOTES

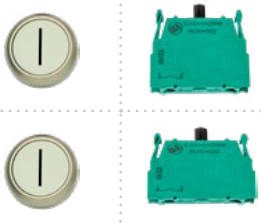
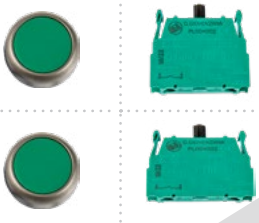
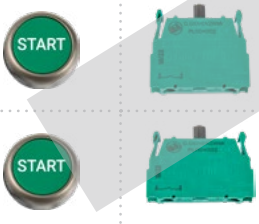
All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

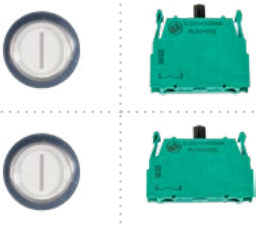
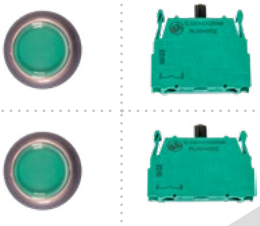
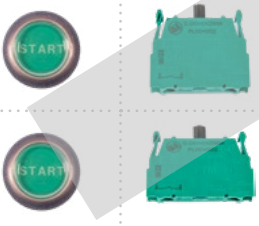
- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the “status” indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BUTTONS

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH CONTACT BLOCK SHROUD

ALUMINIUM	OPERATOR + CONTACT BLOCK + SHROUD	OPERATOR + CONTACT BLOCK + SHROUD =	CODE
		 =	SCREW TERMINAL CONTACT BLOCK **PBS-A-22-1**
		=	SPRING TERMINAL CONTACT BLOCK **PBS-A-22-1-S**
		 =	SCREW TERMINAL CONTACT BLOCK **PBS-A-22-2**
		=	SPRING TERMINAL CONTACT BLOCK **PBS-A-22-2-S**
		 =	SCREW TERMINAL CONTACT BLOCK **PBS-A-22-3**
		=	SPRING TERMINAL CONTACT BLOCK **PBS-A-22-3-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH CONTACT BLOCK SHROUD/SILICONE BOOT

		 =	SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-1**
		=	SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-1-S**
		 =	SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-2**
		=	SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-2-S**
		 =	SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-3**
		=	SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-3-S**

COMING SOON
COMING SOON

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BUTTONS

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH CONTACT BLOCK SHROUD

STAINLESS STEEL	OPERATOR + CONTACT BLOCK + SHROUD	OPERATOR + CONTACT BLOCK + SHROUD =	CODE
			SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-1**
			SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-1-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-2**
			SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-2-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-3**
			SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-3-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH CONTACT BLOCK SHROUD/SILICONE BOOT

			SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-1**
			SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-1-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-2**
			SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-2-S**
			SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-3**
			SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-3-S**

COMING SOON
COMING SOON

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the “status” indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE HOLD-TO-RUN BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

PC/PBT PLASTIC	OPERATOR	+ SCREW/SPRING CONTACT	+ SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J10**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J10-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J20-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J30**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J30-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J10**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J10-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J20-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J30**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J30-S**

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE HOLD-TO-RUN BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

PC/PBT ENCLOSURE + ACGS	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J10-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J10-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J20-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J20-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J30-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J30-S-ACGS**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J10-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J10-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J20-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J20-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J30-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J30-S-ACGS**

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

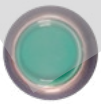
- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE HOLD-TO-RUN BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

ALUMINIUM	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22-J10**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22-J10-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22-J20-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22-J30**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22-J30-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-J10**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-J10-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-J20-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-J30**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-J30-S**

COMING SOON
COMING SOON

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE HOLD-TO-RUN BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

STAINLESS STEEL	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-J10**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-J10-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-J20-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-J30**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-J30-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-J10**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-J10-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-J20-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-J30**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-J30-S**

COMING SOON
COMING SOON

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BELT DRIFT-BYPASS BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

PC/PBT PLASTIC	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	=	CODE
				=	SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J11**
				=	SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J11-S**
				=	SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J21**
				=	SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J21-S**
				=	SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J31**
				=	SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J31-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				=	SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J11**
				=	SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J11-S**
				=	SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J21**
				=	SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J21-S**
				=	SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J31**
				=	SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J31-S**

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BELT DRIFT-BYPASS BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

PC/PBT PLASTIC + ACGS	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J11-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J11-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J21-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J21-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22-J31-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22-J31-S-ACGS**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J11-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J11-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J21-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J21-S-ACGS**
				= SCREW TERMINAL CONTACT BLOCK **PBS-P-22B-J31-ACGS**
				= SPRING TERMINAL CONTACT BLOCK **PBS-P-22B-J31-S-ACGS**

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

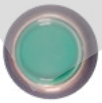
- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BELT DRIFT-BYPASS BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

ALUMINIUM	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22-J11**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22-J11-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22-J21**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22-J21-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22-J31**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22-J31-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-J11**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-J11-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-J21**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-J21-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-A-22B-J31**
				= SPRING TERMINAL CONTACT BLOCK **PBS-A-22B-J31-S**

COMING SOON
COMING SOON

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

STANDARD RANGE BELT DRIFT-BYPASS BUTTON

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD

STAINLESS STEEL	OPERATOR	+ SCREW/SPRING CONTACT +	SHROUD	= CODE
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-J11**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-J11-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-J21**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-J21-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22-J31**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22-J31-S**

CHOOSE YOUR BUTTON TYPE, ASSEMBLED WITH SHROUD/SILICONE BOOT

				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-J11**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-J11-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-J20**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-J21-S**
				= SCREW TERMINAL CONTACT BLOCK **PBS-SSB-22B-J31**
				= SPRING TERMINAL CONTACT BLOCK **PBS-SSB-22B-J31-S**

COMING SOON
COMING SOON

TECHNICAL NOTES

All operators comply with the relevant European standards:

- EN ISO 13850 Machine safety Emergency stop operators, functional characteristics - Design guidelines
- IEC/EN60947-5-1
- Comply with the standard IEC/EN60204-1: Machine safety Machine electrical circuit General guidelines

- The push button are designed with a load charge mechanism to ensure a reliable operation and stoppage, or blockage, in the activated position. The combination with positive switching NC ⊖ contacts and the presence of the "status" indicator on some models, guarantee a high degree of reliability and effectiveness.

CUSTOM OPTIONS

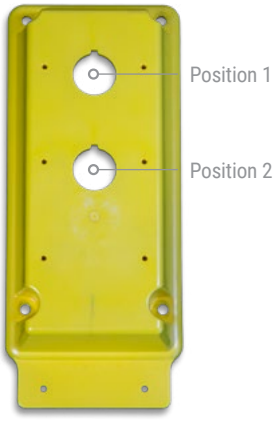
CHOOSE ENCLOSURE TYPE

HIGH IMPACT, UV STABLE, FLAME RETARDANT YELLOW PC/PBT PLASTIC

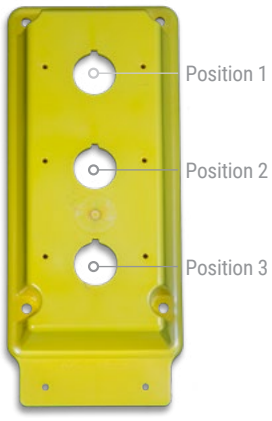
WITH BUTTON HOLES Ø22MM



PBS-P-22-C1



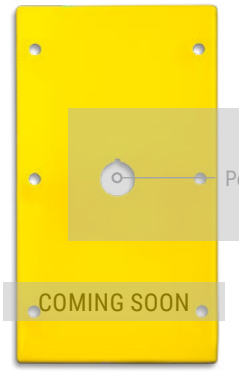
PBS-P-22-C2



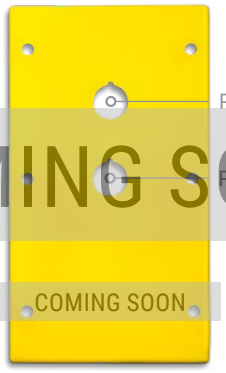
PBS-P-22-C3

ALUMINUM POWDER COATED WITH HALOGEN FREE, LOW SMOKE, YELLOW POLYESTER COATING

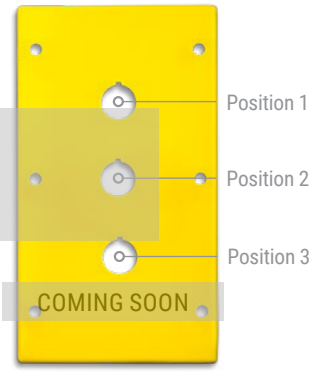
WITH BUTTON HOLES - Ø22MM



PBS-A-22-C1



PBS-A-22-C2



PBS-A-22-C3

2MM 316 ELECTRO-POLISHED STAINLESS STEEL

WITH BUTTON HOLES Ø22MM



PBS-SSB-22-C1



PBS-SSB-22-C2



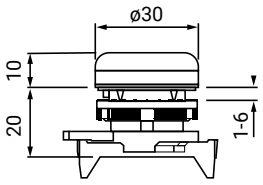
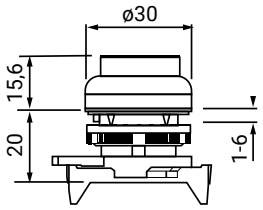
PBS-SSB-22-C3

COMING SOON

CHOOSE YOUR BUTTONS

MOMENTARY PUSH BUTTONS

NOTE: COMES WITH CONTACT BASE/3 CONTACTS

OPERATOR	DESCRIPTION	COLOUR	CODE	DIMENSIONS
	FLUSH PUSH BUTTON		PB-22-X-MOM-R PB-22-X-MOM-G PB-22-X-MOM-Y PB-22-X-MOM-BL PB-22-X-MOM-W PB-22-X-MOM-BK	
	EXTENDED PUSH BUTTON		PB-22-X-MOM-R-E PB-22-X-MOM-G-E	

OPERATOR ø22

OPERATOR	SYMBOL	COLOUR	CODE
			PB-22-X-FMOM-O
			PB-22-X-FMOM-I

OPERATOR ø22

OPERATOR	SYMBOL	COLOUR	CODE
			PB-22-X-FMOM-START
			PB-22-X-FMOM-STOP

ROTARY SWITCH

OPERATOR		COL.INDEX	CODE
	0 R 90°		PB-22-X-R-LAT-2PW
	0 R 45°		PB-22-X-R-LAT-2PW
	L 0 R 45°		PB-22-X-LR-LAT-3PW
	L 0 R 45°		PB-22-X-LRR-MOM-3PW

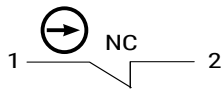
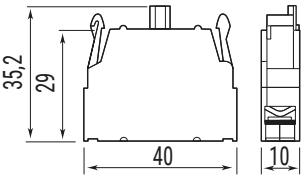
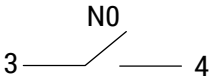
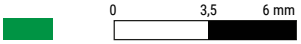
KEY SWITCH

OPERATOR		L	0	R	CODE
	L 0 R		*		PB-22-X-K-LAT-2P-0BK
	L 0 R		*	*	PB-22-X-K-LAT-2P-0RBK

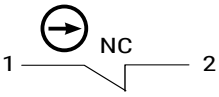
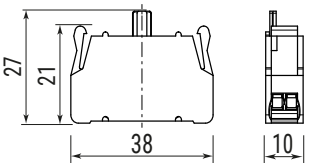
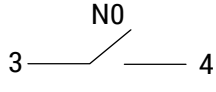
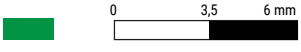
CONTACT BLOCKS

CHOOSE YOUR CONTACT BLOCK/S

CONTACT BLOCK SCREW TERMINAL

CONTACT BLOCK	DESIGNATION	FUNCTION	DIMENSIONS	CODE
				PB-X-CB-NC
				PB-X-CB-NO

CONTACT BLOCK SPRING TERMINAL

CONTACT BLOCK	DESIGNATION	FUNCTION	DIMENSIONS	CODE
				PB-X-CB-NCS
				PB-X-CB-NOS

CONTACT SUPPORT - 5 CONTACT BLOCK BASE (STANDARD 3)

CONTACT SUPPORT	DESCRIPTION	CODE
	EXTEND CONTACT SUPPORT FROM 3 TO 5 CONTACT ELEMENTS	PB-X-22-CS-5

TECHNICAL DATA|ELECTRICAL CHARACTERISTICS

AS/NZS IEC	*IMQ VALUES	SCREW TERMINAL	SPRING TERMINAL
EC/EN 60947-5-1 CHARACTERISTICS		**PBS-CB-NC / PBS-CB-NO**	**PBS-CB-NCS / PBS-CB-NOS**
Rated insulation voltage Ui	**V**	690*	690*
Rated impulse withstand voltage Uimp	**kV**	4*	4*
Operating frequency	**Hz**	50/60*	50/60*
Rated thermal current Ith	**A**	16*	16*
Rated thermal current in enclosed Ithe	**A**	10*	10*
RATED OPERATING CURRENT IE:			
AC-15	**V**	24 / 60 / 110 / 230 / 400 / 440 / 500 / 690	24 / 60 / 110 / 240 / 400 / 440 / 500 / 690
	A	16* / 12 / 8 / 6 / 4,5 / 3,5 / 1* / 1	16* / 12 / 5 / 5* / 4 / 4 / 4* / 2*
DC-13	**V**	24 / 48 / 60 / 110 / 220	24 / 48 / 60 / 110 / 220
	A	2* / 1,2 / 0,85 / 0,4 / 0,25*	2 / 2* / 1* / 0,4 / 0,4*
Conditional short circuit withstand current	**A**	1000*	1000*
Fuse rating gG	**500V**	10A*	10A*
Contact insulation resistance	**mΩ**	<25	<25
Switching mechanism		Slow break double gap contacts	Slow break double gap contacts
Contact duty		NC contact with positive opening	NC contact with positive opening
Minimum tripping force		4N	4N
Electrical life AC15	**mil. cycles**	1A/1,5 - 2A/0,5 - 3A/0,25	1A/1,5 - 2A/0,5 - 3A/0,25
UL 508 CHARACTERISTICS			
General Use		10A-600V ac - 2,5A-125V dc	10A-600V ac - 2,5A-125V dc
Heavy Duty (HD) category		A600-Q600	10A-600V ac - 2,5A-125V dc

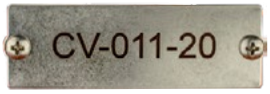
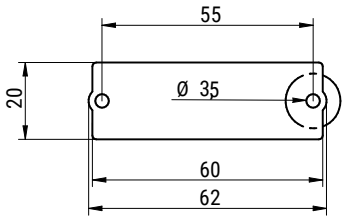
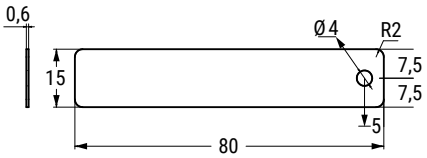
STANDARD CONFORMITY		**UL - IMQ - CCC - EAC - R.I.NA - AS/NZS**
Approvals		EN60947-5-1, UL508
Protection class mounted in PBS enclosure	**EN 60529**	IP66/67/69K IEC: Buttons and switches
	Conforms to UL50	Type 1
	EN 60529	
		IP20: Contacts
		PBS-CB-NC/PBS-CB-NO/PBS-CB-NCS/PBS-CB-NOS
Material Group	**EN60947-1**	II
Pollution Grade	**EN60947-1**	3
Flammability	**UL94**	VO: live parts
Ambient Temperature	**°C**	Operating: -25 +70
	°C	Storage: -30 +70
Climate Protection	**IEC68 part 2-3**	Hot damp
	IEC68 part 2-30	Unsettled Hot damp
Terminals:		
Dimension		A2
Terminal screw		M3,5
Tightening torque		1,2 Nm - EN60947-1 - 12 lb.in. UL508
Capacity:		
Solid and flexible conductors	Number of Cores **1 min/max mm²**	1/2,5 screw terminals
	Number of Cores **2 min/max mm²**	1/2,5 screw terminals
	AWG	20-12 screw terminals
Mechanical life:	**mil./operations**	
Push buttons with colour cap		3
Standard rotary switches		1

CHOOSE YOUR SPARE PARTS

SILICON PROTECTIVE BOOT

SILICON BOOT	DESCRIPTION	CODE
	SILICON BOOT FOR FLUSH BUTTON	PB-22-PC
	SILICON BOOT FOR EXTENDED PUSH BUTTON	PB-22-PC-E

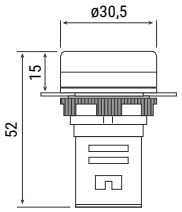
TAGS

TAGS/FITTED	DIMENSIONS	CODE
 ENGRAVED TAG ONLY		STT-DEVICETAG-SS
 TAG FITTED TO DEVICE		STT-DEVICETAG-SS-FIT
 ENGRAVED TAG ONLY		STT-WIRETAG-SS
 TIE ON TAG WITH STAINLESS STEEL WIRE ATTACHED TO ENCLOSURE		STT-WIRETAG-SS-FIT

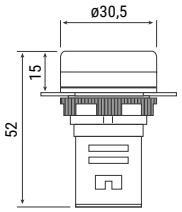
SHROUD

ENGRAVED SHROUD or FOILED SHROUD	DESCRIPTION	CODE
	ENGRAVED VISIBLE SHROUD	30MM PBS -HTR30
	ENGRAVED VISIBLE SHROUD SUITS BOOT	33MM PBS -HTR33
	ENGRAVED VISIBLE SHROUD	30MM PBS-HTRBY30
	ENGRAVED VISIBLE SHROUD SUITS BOOT	33MM PBS-HTRBY33
	ENGRAVED VISIBLE SHROUD	30MM PBS-START30
	ENGRAVED VISIBLE SHROUD SUITS BOOT	33MM PBS-START33
	ENGRAVED VISIBLE SHROUD	30MM PBS-STOP30
	ENGRAVED VISIBLE SHROUD SUITS BOOT	33MM PBS-STOP33
	CUSTOM ENGRAVABLE VISIBLE SHROUD	30MM PBS-BLANK30
	CUSTOM ENGRAVABLE VISIBLE SHROUD SUITS BOOT	33MM PBS-BLANK33

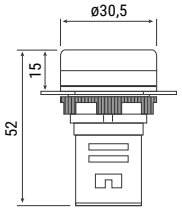
LED PILOT LIGHT - 12V DC

	DESCRIPTION	COLOUR	CODE	DIMENSIONS
	SINGLE LED INDICATOR X1 — X2		PB-22-X-PIND-012-R PB-22-X-PIND-012-G PB-22-X-PIND-012-BU	

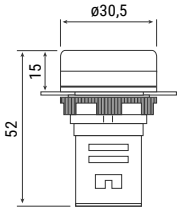
LED PILOT LIGHT - 24V AC/DC

	DESCRIPTION	COLOUR	CODE	DIMENSIONS
	SINGLE LED INDICATOR X1 — X2		PB-22-X-PIND-024-R PB-22-X-PIND-024-G PB-22-X-PIND-024-Y PB-22-X-PIND-024-BU PB-22-X-PIND-024-W	

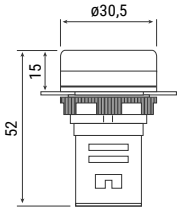
LED PILOT LIGHT - 48V AC/DC

	DESCRIPTION	COLOUR	CODE	DIMENSIONS
	SINGLE LED INDICATOR X1 — X2		PB-22-X-PIND-048-R PB-22-X-PIND-048-G	

LED PILOT LIGHT - 110V AC/DC

	DESCRIPTION	COLOUR	CODE	DIMENSIONS
	SINGLE LED INDICATOR X1 — X2		PB-22-X-PIND-110-R PB-22-X-PIND-110-G	

LED PILOT LIGHT - 220V AC

	DESCRIPTION	COLOUR	CODE	DIMENSIONS
	SINGLE LED INDICATOR X1 — X2		PB-22-X-PIND-220-R PB-22-X-PIND-220-G PB-22-X-PIND-220-Y PB-22-X-PIND-220-BU PB-22-X-PIND-220-W	

MAIN TECHNICAL DATA'S

Comply with rules		EN60947-5-1 - GB14048.5	DIAGRAM
Operational temperature	C°	-5 +40	Resistance
Operational Humidity		45% 90%	
AC rated frequency	Hz	50/60	
Rated insulation voltage	1 min.V	2500V	
Over voltage category	EN60947.1	III	
Pollution grade	EN60947.1	3	
Protection degree mounted in PBS enclosure	EN60529	IP66,69K, IP2X terminals	
Connection:			
Terminal block caliber		A2	
Terminal screw		M3,5	Capacity resistance
Flexible and solid conductors section	min./max.	n.1 1/2,5 mm² n.2 1/2,5 mm²	
Rated operational voltage Ue		12V DC, 24V AC/DC, 48V AC/DC, 110V AC/DC, 220V AC	
Rated operating current Ie	mA	≤ 80 12V	
	mA	≤ 20 24, 48, 110, 220V	
Electrical life	h	≤ 30.000	
Brightness	cd/m ²	≤ 60	

