

WEG Automation Catalog

Motors

Automation

Energy

Transmission & Distribution

Pushbuttons and Pilot Lights (CSW, CSW30, and CSW30H series)

Pushbuttons and Pilot Lights – CSW Series

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Driving efficiency and sustainability



CSW Series - 22mm

The WEG 22mm Pushbuttons and Pilot Device line uses leading edge technology and development. These user friendly pilot devices are used in many different industrial applications and environments.



Standard Features:

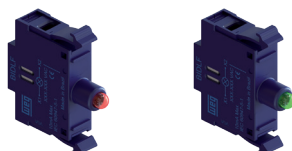
- Fast and Easy Assembly of Pushbuttons and Contact Blocks
- High efficiency self-cleaning contact blocks
- Long life Expectancy
- High Luminosity and color with the LED Lights
- Full line of accessories



UL File No. E330817

High Performance Illuminated Blocks

The CSW line features the BIDL (integrated LED illuminated blocks) which offer high efficiency - lumens/Watt - with low thermal dissipation and energy consumption. The integrated construction guarantees high resistance against vibrations and maintenance-free operation.



General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks


Power Factor Correction

Appendix A


Appendix B

Appendix C


Flush ¹⁾

	Color	Catalog Number	List Price	Multiplier
 0.021 kg	○ White	CSW-BF0 WH	\$5	Z5
	● Red	CSW-BF1 WH	\$5	
	● Green	CSW-BF2 WH	\$5	
	● Yellow	CSW-BF3 WH	\$5	
	● Blue	CSW-BF4 WH	\$5	
	● Black	CSW-BF5 WH	\$5	


Guarded¹⁾

Image	Color	Catalog Number	List Price	Multiplier
 0.022 kg	○ White	CSW-BGA0 WH	\$5.50	Z5
	● Red	CSW-BGA1 WH	\$5.50	
	● Green	CSW-BGA2 WH	\$5.50	
	● Yellow	CSW-BGA3 WH	\$5.50	
	● Blue	CSW-BGA4 WH	\$5.50	
	● Black	CSW-BGA5 WH	\$5.50	

Extended ¹⁾

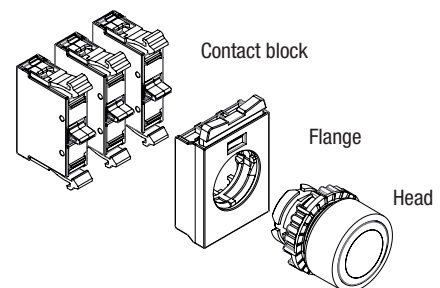
Image	Color	Catalog Number	List Price	Multiplier
 0.021 kg	○ White	CSW-BS0 WH	\$6.50	Z5
	● Red	CSW-BS1 WH	\$6.50	
	● Green	CSW-BS2 WH	\$6.50	
	● Yellow	CSW-BS3 WH	\$6.50	
	● Blue	CSW-BS4 WH	\$6.50	
	● Black	CSW-BS5 WH	\$6.50	

Mushroom - External Diameter: 40 mm ¹⁾

Image	Color	Catalog Number	List Price	Multiplier
 0.024 kg	● Red	CSW-BC1 WH	\$8.50	Z5
	● Green	CSW-BC2 WH	\$8.50	

How to order²⁾

Head
 + Flange
 + Contact block










Notes: 1) Does not allow the use of contact blocks in the central position of the mounting flanges;
 2) Check the maximum of recommended contact blocks for each head on page 347.

Pushbuttons and Pilot Lights






Pushbuttons with Latch - Ø22 mm - IP66

Emergency Pushbuttons with Latch (EN 418 and IEC 60947-5-5)

Emergency Pushbuttons with Latch - External Diameter: 42 mm²⁾

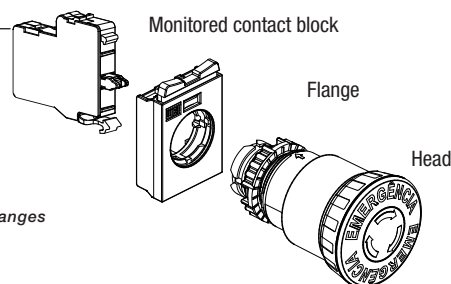
Image	Actuations	Signaling	Color	Catalog Number	List Price	Multiplier
 0.049 kg	Pull to release	-	 Red	CSW-BESP WH	\$15	Z5
 0.049 kg	Twist to release	-	 Red	CSW-BESG WH	\$15	
 0.114 kg	Key to release ¹⁾	-	 Red	CSW-BESY WH	\$45	
	GBES-02; Use with CSW-BESP WH, CSW-BESPM WH, CSW-BESPSFI WH, CSW-BESPFIM WH, CSW-BESG WH, CSW-BESGM WH, CSW-BESGSFI WH, CSW-BESGSFIM WH, and CSW-BESY WH			GBES-02	\$10	

Emergency Pushbuttons with Latch - External Diameter: 40 mm²⁾

Image	Actuations	Color	Catalog Number	List Price	Multiplier
 0.027 kg	Twist to release	 Red	CSW-BCT1 WH	\$13	Z5
 0.091 kg	With key ¹⁾	 Red	CSW-BCY1 WH	\$40	
	APEG-02; Use with: CSW-BCT1 WH, CSW-BCY1 WH		APEG-02	\$10	

How to order³⁾


Head
+ Flange
+ Contact block




Notes:

- 1) Keys with different codes are available upon request.
- 2) Does not allow the use of contact blocks in the central position of the mounting flanges
- 3) Check the maximum of recommended contact blocks for each head on page 347.


Flush¹⁾

Image	Color	Catalog Number	List Price	Multiplier
 0.021 kg	White	CSW-BF10 WH	\$8.50	Z5
	Red	CSW-BF11 WH	\$8.50	
	Green	CSW-BF12 WH	\$8.50	
	Yellow	CSW-BF13 WH	\$8.50	
	Blue	CSW-BF14 WH	\$8.50	
	Orange	CSW-BF16 WH ³	\$8.50	

Extended¹⁾

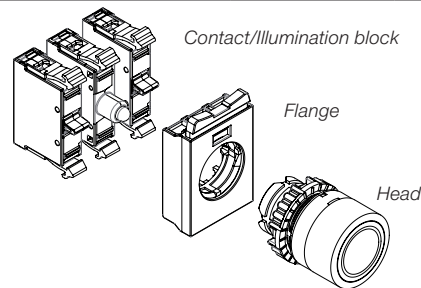
Image	Color	Catalog Number	List Price	Multiplier
 0.021 kg	White	CSW-BS10 WH	\$8.50	Z5
	Red	CSW-BS11 WH	\$8.50	
	Green	CSW-BS12 WH	\$8.50	
	Yellow	CSW-BS13 WH	\$8.50	
	Blue	CSW-BS14 WH	\$8.50	
	Orange	CSW-BS16 WH ³	\$8.50	

Mushroom - External Diameter: Ø40 mm¹⁾


Image	Color	Catalog Number	List Price	Multiplier
 0.026 kg	White	CSW-BC10 WH	\$10	Z5
	Red	CSW-BC11 WH	\$10	
	Green	CSW-BC12 WH	\$10	
	Yellow	CSW-BC13 WH	\$10	
	Blue	CSW-BC14 WH	\$10	
	Orange	CSW-BC16 WH ³	\$10	

How to order²⁾

- Head
- + Flange
- + Contact block
- + Illumination block

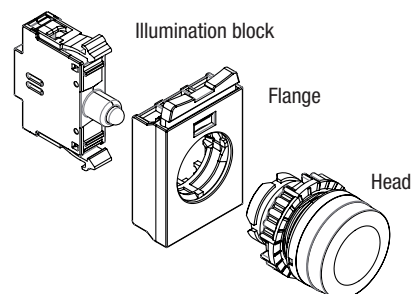


Pilot Lights¹⁾

Image	Color	Catalog Number	List Price	Multiplier
 0.016 kg	White	CSW-SD0 WH	\$7.30	Z5
	Red	CSW-SD1 WH	\$7.30	
	Green	CSW-SD2 WH	\$7.30	
	Yellow	CSW-SD3 WH	\$7.30	
	Blue	CSW-SD4 WH	\$7.30	
	Orange	CSW-SD6 WH ³	\$7.30	

How to order²⁾

- Head
- + Flange
- + Illumination block



- Notes: 1) Allows illumination through LED or lamp block
 2) Check the maximum of recommended contact blocks for each head
 3) For better lighting performance use yellow LED block with this device

Pushbuttons and Pilot Lights

Pushbuttons with Latch and Light Indication - 022mm - IP66

Emergency Pushbuttons with Latch (EN 418 and IEC 60947-5-5)

Emergency Pushbuttons with Latch - External Diameter: 42 mm¹⁾²⁾

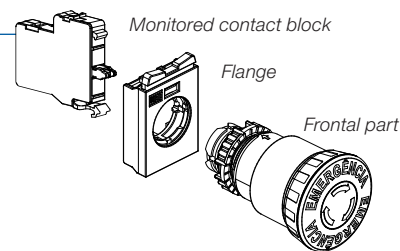
Illustrative image	Description	Signaling		Color		Catalog Number	Price	Multiplier
		Front	Side					
	Pull-to-release	Light	Green Ring		Red	CSW-BESPSFI-WH	\$19	Z5
	Twist-to-release				Red	CSW-BESGSFI-WH	\$19	
	GBES-02; Use with CSW-BESP WH, CSW-BESG WH, CSW-BESY WH, CSW-BESPSFI WH, CSW-BESGSFI WH, CSW-BESPSFIM WH, CSW-BESGSFIM WH				GBES-02	\$10		

Self-Monitoring Contact Block for Emergency Pushbuttons³⁾⁴⁾

	Contacts	Diagram	Standard packing	Compatible flange	Catalog Number	List Price	Multiplier
 0.002 kg	1NC		1 piece	AF3F	BCM01F-CSW	\$27.37	Z5

How to Order²⁾


- Frontal part
- + Flange
- + Contact block




Notes:

- 1) For use with BIDL illumination blocks (supplied separately)
- 2) Check the maximum number of contact blocks recommended for each head on page 347
- 3) Not compatible with the PBW control stations line. For control station accessories, please refer to pages 339-344
- 4) The NO contact closes when assembled correctly in the flange


Knob

 0.025 kg	Position		Diagram	Selector angle	Color		Catalog Number	List Price	Multiplier Z5
		Fixed	1	45°	●	Black	CSW-CK2F45 WH	\$13	
		With return	1	45°	●	Black	CSW-CK2R45 WH	\$15	
		Fixed	1	90°	●	Black	CSW-CK2F90 WH	\$13	
		With return	1	90°	●	Black	CSW-CK2R90 WH	\$15	

Lever

 0.025 kg	Position		Diagram	Selector angle	Color		Catalog Number	List Price	Multiplier Z5
		Fixed	1	45°	●	Black	CSW-CA2F45 WH	\$14	
		With return	1	45°	●	Black	CSW-CA2R45 WH	\$16	
		Fixed	1	90°	●	Black	CSW-CA2F90 WH	\$14	
		With return	1	90°	●	Black	CSW-CA2R90 WH	\$16	

With Key¹⁾²⁾

 0.087 kg	Position		Diagram	Selector angle	Color		Catalog Number	List Price	Multiplier Z5
		Fixed	1	45°	●	Black	CSW-CY2F45 WH	\$41	
		With return	1	45°	●	Black	CSW-CY2R45 WH	\$43	
		Fixed	1	90°	●	Black	CSW-CY2F90 WH	\$41	
		With return	1	90°	●	Black	CSW-CY2R90 WH	\$43	

Spare Keys¹⁾


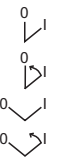
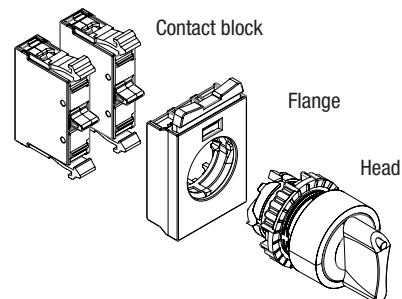
	Description	Catalog Number	List Price	Multiplier
	2 spare keys	CSW-CY	\$7	Z5

Diagram 1										
	Handle position	Mounting position in the flange								
		<table border="1"> <tr> <td>-</td> <td>2</td> <td>3</td> <td>1</td> <td>-</td> </tr> <tr> <td>4</td> <td>2</td> <td>5</td> <td>1</td> <td>3</td> </tr> </table>	-	2	3	1	-	4	2	5
-	2	3	1	-						
4	2	5	1	3						
	0	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>								
	I	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>								

Legend
 Contacts in the rest position.
 Contacts operated.

How to order³⁾

Head
 + Flange
 + Contact block



Notes:

- Keys with different codes are available upon request;
- Key is released in any position. For key release in specific positions, please replace CY by: CYD (only at right), CYE (only at left) and CYC (only at center);
- Check the maximum of recommended contact blocks for each head on page 347.

General Information

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Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A






Appendix B

Appendix C

Pushbuttons and Pilot Lights

A3 Positions Selectors - Ø22 mm - IP66 CW

Knob

Position	Diagram	Selector angle	Color ¹⁾		Catalog Number	List Price	Multiplier		
			●	●					
 0.025 kg		Fixed	1	45°	●	Black	CSW-CK3F45 WH	\$13	Z5
		With return	1	45°	●	Black	CSW-CK3R45 WH	\$15	
		With return from the right	1	45°	●	Black	CSW-CK3RD45 WH	\$15	
		With return from the left	1	45°	●	Black	CSW-CK3RE45 WH	\$15	

Lever








Position	Diagram	Selector angle	Color ¹⁾		Catalog Number	List Price	Multiplier		
			●	●					
 0.025 kg		Fixed	1	45°	●	Black	CSW-CA3F45 WH	\$14	Z5
		With return	1	45°	●	Black	CSW-CA3R45 WH	\$16	
		With return from the right	1	45°	●	Black	CSW-CA3RD45 WH	\$16	
		With return from the left	1	45°	●	Black	CSW-CA3RE45 WH	\$16	

Diagram 1

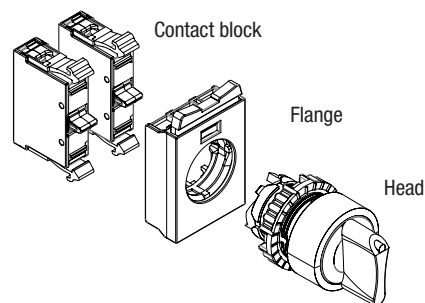
Handle position	Mounting position in the flange					
	-	2	3	1	-	
						
						
I	■	■		□	□	
0	□	□		□	□	
II	□	□		■	■	

Legend

- Contacts in the rest position.
- Contacts operated.

How to order²⁾

Head
+ Flange
+ Contact block



Notes: 1) Selector switches in other colors are available under request
2) Check the maximum of recommended contact blocks for each head on page 347.

General Information

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Pushbuttons and Pilot Lights

Terminal Blocks






Power Factor Correction

Appendix A

Appendix B

Appendix C

With Key¹⁾²⁾

 0.087 kg	Position	Diagram	Selector angle	Color		Catalog Number	List Price	Multiplier
	 Fixed	1	45°	●	Black	CSW-CY3F45 WH	\$41	
	 With return	1	45°	●	Black	CSW-CY3R45 WH	\$43	
	 With return from the right	1	45°	●	Black	CSW-CY3RD45 WH	\$43	
	 With return from the left	1	45°	●	Black	CSW-CY3RE45 WH	\$43	Z5

Spare Key¹⁾






	Description	Catalog Number	List Price	Multiplier
	2 spare keys	CSW-CY	\$7	Z5

Diagram 1

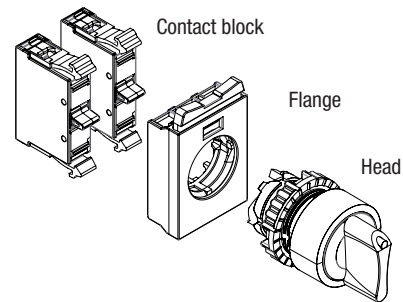
Handle position	Mounting position in the flange				
	-	2	3	1	-
					
					
					
					
I	■	■		□	□
0	□	□	-	□	□
II	□	□		■	■

Legend


- Contacts in the rest position.
- Contacts operated.

How to order³⁾

Head
+ Flange
+ Contact block



Reset Pushbutton with Shaft

Image	Description	Catalog Number	Weight (kg)	List Price	Multiplier
	Flush pushbutton - blue - engraved reset - with shaft. Length: max. 250 mm and min. 22.5 mm	CSW-BHF437	0.045	\$12	Z5

Notes: Notes:

- 1) Keys with different codes are available under request;
- 2) Key is released in any position. For key release in specific positions, please replace CY by: CYD (only at right), CYE (only at left) and CYC (only at center);
- 3) Check the maximum of recommended contact blocks for each head on page 347.

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Power Factor Correction

Appendix A



Appendix B

Appendix C

Pushbuttons and Pilot Lights

Illuminated Selectors - Ø22 mm - IP66

2 Positions Illuminated Selectors

Image	Position		Diagram	Selector angle	Color		Catalog Number	List Price	Multiplier
	0	I			Color	Color			
 0.020 kg		Fixed	1	90°	○	White	CSW-CKI2F900 WH	\$8	Z5
					●	Red	CSW-CKI2F901 WH	\$8	
					●	Green	CSW-CKI2F902 WH	\$8	
					●	Yellow	CSW-CKI2F903 WH	\$8	
					●	Blue	CSW-CKI2F904 WH	\$8	
					●	Orange	CSW-CKI2F906 WH ¹	\$8	

3 Positions Illuminated Selectors






Image	Position		Diagram	Selector angle	Color		Catalog Number	List Price	Multiplier
	0	I			Color	Color			
 0.020 kg		Fixed	2	45°	○	White	CSW-CKI3F450 WH	\$8	Z5
					●	Red	CSW-CKI3F451 WH	\$8	
					●	Green	CSW-CKI3F452 WH	\$8	
					●	Yellow	CSW-CKI3F453 WH	\$8	
					●	Blue	CSW-CKI3F454 WH	\$8	
					●	Orange	CSW-CKI3F456 WH ¹	\$8	
		With return	2	45°	○	White	CSW-CKI3R450 WH	\$8.50	
					●	Red	CSW-CKI3R451 WH	\$8.50	
					●	Green	CSW-CKI3R452 WH	\$8.50	
					●	Yellow	CSW-CKI3R453 WH	\$8.50	
					●	Blue	CSW-CKI3R454 WH	\$8.50	
					●	Orange	CSW-CKI3R456 WH ¹	\$8.50	
		With return from the right	2	45°	○	White	CSW-CKI3RD450 WH	\$8.50	
					●	Red	CSW-CKI3RD451 WH	\$8.50	
					●	Green	CSW-CKI3RD452 WH	\$8.50	
					●	Yellow	CSW-CKI3RD453 WH	\$8.50	
					●	Blue	CSW-CKI3RD454 WH	\$8.50	
					●	Orange	CSW-CKI3RD456 WH ¹	\$8.50	
		With return from the left	2	45°	○	White	CSW-CKI3RE450 WH	\$8.50	
					●	Red	CSW-CKI3RE451 WH	\$8.50	
					●	Green	CSW-CKI3RE452 WH	\$8.50	
					●	Yellow	CSW-CKI3RE453 WH	\$8.50	
					●	Blue	CSW-CKI3RE454 WH	\$8.50	
					●	Orange	CSW-CKI3RE456 WH ¹	\$8.50	

Diagram 1

Diagram 2

Handle position	Mounting position in the flange					Flange
	-	2	3	1	-	
0	□	□	☼	□	□	3P
I	■	■	☼	■	■	5P
II	□	□	☼	□	□	

Legend

- Contacts in the rest position.
- Contacts operated.
- ☼ Mounting position for LED blocks in illuminated switches.

POTENTIOMETER

CSW-POT_W



CSW-POT — W




Resistance

- 0.5 - 0.5kΩ
- 1 - 1kΩ
- 2 - 2kΩ
- 5 - 5kΩ
- 10 - 10kΩ
- 1M - 1MkΩ




Note:

1) For better lighting performance use yellow LED Block




Flush Double Pushbutton - Degree of Protection IP40¹⁾²⁾ - (refer to 1. How to order)

 0.034 kg	Color		Engraving	Catalog Number	List Price	Multiplier
		Green	I	CSW-BD WH	\$11.50	Z5
		Red	0			
		Green	START	CSW-BD21SS WH	\$11.50	
Red		STOP				



Double Pushbutton - (refer to 1. How to order)

 0.034 kg	Frontal	Color		Engraving	Catalog Number	List Price	Multiplier
	Flush		Green	I	CSW2-BDF2110 WH	\$14	Z5
	Flush		Red	0			
	Flush		Green	START	CSW2-BDF21SS WH	\$14	
Flush	Red		STOP				



Extended Double Pushbutton - (refer to 1. How to order)

 0.034 kg	Frontal	Color		Engraving	Catalog Number	List Price	Multiplier
	Flush		Green	I	CSW2-BDS2110 WH	\$14	Z5
	Extended		Red	0			
	Flush		Green	START	CSW2-BDS21SS WH	\$14	
Extended	Red		STOP				




Triple Pushbutton - (refer to 1. How to order)

 0.034 kg	Frontal	Color		Engraving	Catalog Number	List Price	Multiplier
	Flush		Green	I	CSW2-BTF24110R WH	\$16	Z5
	Extended		Blue	RESET			
	Flush		Red	0			




Extended Triple Pushbutton - (refer to 1. How to order)

 0.034 kg	Frontal	Color		Engraving	Catalog Number	List Price	Multiplier
	Flush		Green	I	CSW2-BTS24110R WH	\$16	Z5
	Extended		Blue	RESET			
	Extended		Red	0			

Flush Double Pushbutton w/ illumination - (refer to 2. How to order)¹

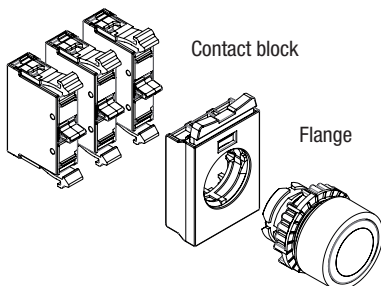
 0.025g	Frontal	Color		Engraving	Catalog Number	List Price	Multiplier
	Flush		Green	I	CSW2-BDFI2110 WH	\$14	Z5
	Flush		Red	0			
	Flush		Green	START	CSW2-BDFI21SS WH	\$14	
Flush	Red		STOP				

Extended Double Pushbutton w/ illumination - (refer to 2. How to order)¹

 0.025g	Frontal	Color		Engraving	Catalog Number	List Price	Multiplier
	Flush		Green	I	CSW2-BDSI2110 WH	\$14	Z5
	Extended		Red	0			
	Flush		Green	START	CSW2-BDSI21SS WH	\$14	
Extended	Red		STOP				

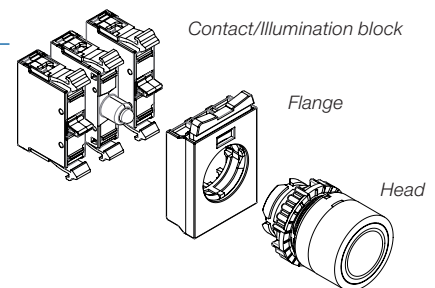
1. How to order³⁾

Head
+ Flange
+ Contact block



2. How to order³⁾

· Head
+ Flange
+ Contact block
+ Illumination block

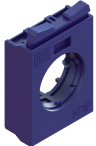


Notes: 1) Does not allow the use of contact blocks in the central position of the mounting flanges
2) To increase the Degree of Protection, use the APBD silicon protective cover
3) Check the maximum of recommended contact blocks for each head on page 347.






Pushbuttons and Pilot Lights

Accessories for CSW (22mm)

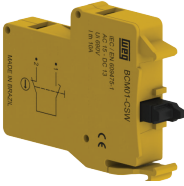
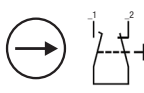
Flanges¹

	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.010 kg	3-position mounting flange for blue contact blocks Allows the mounting of extras contact blocks due to front-back system	1 piece	AF3F	\$2.17	Z5
	5-position mounting flange for blue contact blocks Allows the mounting of extras contact blocks due to front-back system	1 piece	AF5F	\$6.06	

Contact Blocks¹⁾

	Contacts	Diagram	Standard packing	Compatible flange	Catalog Number	List Price	Multiplier
 0.015 kg	1NO		1 piece	AF3F, AF5F	BC10F-CSW	\$5.00	Z5
	1NC		1 piece		BC01F-CSW	\$5.00	
	1NO EARLY MAKE		1 piece	AF3F, AF5F	BCA10F-CSW	\$5.55	
	1NC LATE BREAK		1 piece		BCR01F-CSW		

Self-Monitoring Contact Block for Emergency Pushbuttons¹⁾²⁾

	Contacts	Diagram	Standard packing	Compatible flange	Catalog Number	List Price	Multiplier
 0.002 kg	1NC		1 piece	AF3F	BCM01F-CSW	\$27.37	Z5

Notes:

- 1) Not compatible with the PBW control stations line. For control stations accessories, please refer to the page 339 - 344 of this catalog
- 2) The NO contact close when assembled correctly in the flange

Illumination Blocks with Integrated LED¹⁾



Voltage	Color	Diagram	Standard packing	Compatible flange	Catalog Number	List Price	Multiplier
12 VAC/VDC 50/60Hz	○ White		1 piece	AF3F AF5F	CSW-BIDL0E25	\$16	Z5
	● Red				CSW-BIDL1E25	\$16	
	● Green				CSW-BIDL2E25	\$16	
	● Yellow				CSW-BIDL3E25	\$16	
	● Blue				CSW-BIDL4E25	\$16	
24 VAC/VDC 50/60Hz	○ White				CSW-BIDL0E26	\$16	
	● Red				CSW-BIDL1E26	\$16	
	● Green				CSW-BIDL2E26	\$16	
	● Yellow				CSW-BIDL3E26	\$16	
	● Blue				CSW-BIDL4E26	\$16	
48 VAC/VDC 50/60Hz	○ White				CSW-BIDL0E27	\$16	
	● Red				CSW-BIDL1E27	\$16	
	● Green				CSW-BIDL2E27	\$16	
	● Yellow				CSW-BIDL3E27	\$16	
	● Blue				CSW-BIDL4E27	\$16	
110-130 VAC/VDC 50/60Hz	○ White	CSW-BIDL0E10	\$16				
	● Red	CSW-BIDL1E10	\$16				
	● Green	CSW-BIDL2E10	\$16				
	● Yellow	CSW-BIDL3E10	\$16				
	● Blue	CSW-BIDL4E10	\$16				
220-240 VAC 50/60Hz	○ White	CSW-BIDLF0D66	\$16				
	● Red	CSW-BIDLF1D66	\$16				
	● Green	CSW-BIDLF2D66	\$16				
	● Yellow	CSW-BIDLF3D66	\$16				
	● Blue	CSW-BIDLF4D66	\$16				

0.016 kg

Voltage Reduction Blocks¹⁾



0.016 kg

Description	U _e	Diagram	Standard packing	Compatible flange	Catalog Number	List Price	Multiplier
For use with Integrated LED blocks models: CSW-BIDL(F)_D66 (220-240 V ac)	380-460 V ac		1 piece	AF3F AF5F	CSW-BRT4F	\$8.88	Z5

Notes:

1) Not compatible with the PBW control stations line. For control stations accessories, please refer to the page 339-344 of this catalog.

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A



Appendix B

Appendix C


Pushbuttons and Pilot Lights

Accessories for CSW (22mm)

Plate Holder and Plastic Legend Plate Set¹⁾


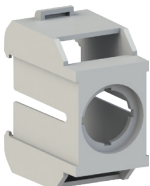
	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.004 kg	Plate holder and plastic legend plate set (27 x 18 mm, no engraved, red and black colored) for pilot lights, single pushbuttons and selector switches.	5 pieces	APP30	\$11.50	Z5
	Plate holder and plastic legend plate set (27 x 18 mm, no engraved, red and black colored) for double pushbuttons CSW-BD. Not compatible with CSW2-BD.	1 piece	APP60	\$2.30	
 0.004 kg	Plate holder and plastic legend plate set (27 x 18 mm, no engraved, translucent) for pilot lights, single pushbuttons and selector switches.	5 pieces	APP30T	\$11.50	
	Plate holder and plastic legend plate set (27 x 18 mm, no engraved, translucent) for double pushbuttons CSW-BD. Not compatible with CSW2-BD.	1 piece	APP60T	\$3	

Reduction Ring¹⁾

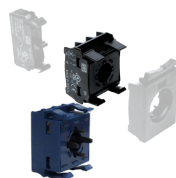
	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.030 kg	Reduction ring from Ø30 mm to Ø22 mm	5 pieces	AR30	\$21.25	Z5

Notes: 1) Not compatible with the PBW control stations line. For control stations accessories, please refer to the page 339-344 of this catalog

Emergency-Stop Plate¹⁾

	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.009 kg	Legend plate for emergency pushbutton. Text: English	1 piece	APE-02	\$8.30	Z5
	DIN rail adaptor	1 piece	DRCSWA	\$16	

Push-on/Push-off Block¹⁾²⁾

	Description	Standard packing	Compatible flange	Catalog Number	List Price	Multiplier
 0.019 kg	Push-on/Push-off block for: CSW-BF, CSW-BF1, CSW-BS, CSW-BSI, CSW-BGA, CSW-BC, CSW-BCI. Note: use only with the following contact blocks: - BC01-F (1NC); - BCA10-F (1NO early-make);	1 piece	AF3F	BR-3PF-CSW	\$7.97	Z5

Notes: 1) Not compatible with the PBW control stations line. For control stations accessories, please refer to the page 339-344
2) Not compatible with double pushbuttons CSW2-BD;

APP30 Plate Holder and 27 x 18 mm Engraved Plastic Legend Plate Set¹⁾³⁾

For use with single pushbuttons,
pilot lights and selector
switches



+ **MANUAL**

0.015 kg⁴⁾

Pushbuttons and Pilot Lights

Catalog Number	Engraving	List Price	Multiplier
APP30-01	CLOSE	\$4.20	
APP30-02	DOWN	\$4.20	
APP30-03 ²⁾	EMERGENCY STOP	\$4.20	
APP30-04	FORWARD	\$4.20	
APP30-05	JOG	\$4.20	
APP30-06	JOG FORWARD	\$4.20	
APP30-07	JOG REVERSE	\$4.20	
APP30-08	LOWER	\$4.20	
APP30-09	OFF	\$4.20	
APP30-10	ON	\$4.20	
APP30-11	OPEN	\$4.20	
APP30-12	POWER ON	\$4.20	
APP30-13	RAISE	\$4.20	
APP30-14	RESET	\$4.20	
APP30-15	REVERSE	\$4.20	
APP30-16	RUN	\$4.20	
APP30-17	START	\$4.20	
APP30-18 ²⁾	STOP	\$4.20	
APP30-19	UP	\$4.20	
APP30-20	FORWARD REVERSE	\$4.20	
APP30-21	HAND AUTO	\$4.20	
APP30-22	JOG RUN	\$4.20	
APP30-23	MANUAL AUTO	\$4.20	
APP30-24	OFF ON	\$4.20	
APP30-25	OPEN CLOSE	\$4.20	
APP30-26	RUN JOG	\$4.20	
APP30-27	START STOP	\$4.20	
APP30-28	UP DOWN	\$4.20	
APP30-30	FOR OFF REV	\$4.20	
APP30-31	HAND OFF AUTO	\$4.20	
APP30-32	MAN OFF AUTO	\$4.20	
APP30-33	OPEN OFF AUTO	\$4.20	
APP30-34	OPEN OFF CLOSE	\$4.20	
APP30-35	UP OFF DOWN	\$4.20	
APP30-36	ON/OFF	\$4.20	
APP30-37	OPEN/CLOSE	\$4.20	
APP30-38	UP/DOWN	\$4.20	
APP30-147	FAULT	\$4.20	
APP30-149	AUTO OFF REV	\$4.20	
APP30-198	LOW MED HIGH	\$4.20	
APP30-199	LOW OFF HIGH	\$4.20	
APP30-P00	0-100	\$6.00	
APP30-P01	0-10	\$6.00	
APP30-P02	SPEED 0-10	\$6.00	
APP30-P03	SPEED 0-100	\$6.00	

25

Notes: 1) Other engraving option available upon request.

2) Red plates are engraved in white

3) Not compatible with the PBW Control Stations Line. For control station accessories, please refer to the page 339-344.

4) Unitary weight

Data is subject to change without notice.

CSW Series (22mm)

Decentralized Control Stations - PBW

Type 4x Protection

WEG control stations and emergency stop stations, also known as the PBW line, are available for a wide range of applications meeting the most demanding requirements of quality, robustness and modular design. The PBW line has been developed meeting the requirements of international standards such as IEC 60947-5-1, IEC 50102, IEC 60529 and UL 508 and can be used with WEG current pushbuttons and signaling units (CSW series).

Standard Features:

- IP66/Type 4x degree of protection: accurate design combined with a special sealing gasket assures the degree of protection throughout product life cycle
- Several cable entries: knock-out type entries on the top, base and side, meeting different cable glands with different threads
- Exclusive ID plate holding system: integrated to the construction, allows for standard CSW legend plates
- Captive screws: ensures safe and easy operations without losing hardware
- Premium polycarbonate construction: non-flammable and UV ray protected, its oversized thickness offers high mechanical resistance
- The PWB line is very cost effective, and inventory is always readily available.



IP66 degree of protection

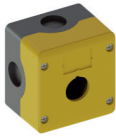


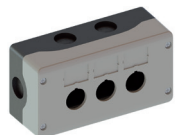

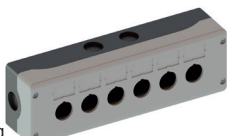


Exclusive ID plate holding system




UL File No. E330817

Type 4X Decentralized Control Stations¹⁾




	Number of holes	Color		Standard packing	Catalog Number	List Price	Multiplier
		Cover	Base				
0.114 kg 	1	Yellow	Black	1 piece	PBW-1Y	\$25	Z5
0.114 kg 					PBW-1	\$25	
0.152 kg 	2	Gray			PBW-2	\$30	
0.185 kg 	3				PBW-3	\$34	
0.215 kg 	4				PBW-4	\$41	
0.276 kg 	6				PBW-6	\$59	

Emergency Pushbuttons with Decentralized Control Station

	PBW control station	Pushbuttons	Contact blocks	Plate	Catalog Number	Weight (kg)	List Price	Multiplier
	Yellow - 1 hole	Emergency stop CSW-BESG	1NO + 1NC	Red engraved "EMERGENCY STOP"	PBW1Y-G11 V03	0.212	\$48	Z5

Accessories - Mounting in Control Stations

Contact Block²⁾

	Description	Contacts	Diagram	Standard packing	Catalog Number	List Price	Multiplier
0.015 kg ³⁾	Single contact blocks to mounting in control stations or DIN rail 35 mm	1NO		1 piece	BC10B-CSW	\$5	Z5
		1NC		1 piece	BC01B-CSW	\$5	




























Notes: 1) Compatible with all single of the CSW line pushbuttons, selector switches and pilot lights. To avoid interferences and ensure the performance when use a mushroom pushbutton beside another pushbutton, WEG recommend maintaining an empty hole between the pushbuttons. To close the hole use the ATR accessory;
 2) Blocks specific for mounting in base or PBW plastic control stations or DIN rail 35mm;
 3) Unitary weight.

Pushbuttons and Pilot Lights

Accessories for CSW (22mm)

Mounting in Control Stations

Illumination Blocks with Integrated LED¹⁾

Image	Voltage	Color	Diagram	Standard packing	Catalog Number	List Price	Multiplier
 <p>0.016 kg</p>	12 VAC/VDC 50/60Hz			1 piece	CSW-BIDLB-0E25	\$16.60	25
					CSW-BIDLB-1E25	\$16.60	
					CSW-BIDLB-2E25	\$16.60	
					CSW-BIDLB-3E25	\$16.60	
					CSW-BIDLB-4E25	\$16.60	
					CSW-BIDLB-0E26	\$16.60	
	24 VAC/VDC 50/60Hz				CSW-BIDLB-1E26	\$16.60	
					CSW-BIDLB-2E26	\$16.60	
					CSW-BIDLB-3E26	\$16.60	
					CSW-BIDLB-4E26	\$16.60	
					CSW-BIDLB-0E27	\$16.60	
					CSW-BIDLB-1E27	\$16.60	
	48 VAC/VDC 50/60Hz				CSW-BIDLB-2E27	\$16.60	
					CSW-BIDLB-3E27	\$16.60	
					CSW-BIDLB-4E27	\$16.60	
					CSW-BIDLB-0E10	\$16.60	
					CSW-BIDLB-1E10	\$16.60	
					CSW-BIDLB-2E10	\$16.60	
	110-130 VAC/VDC 50/60Hz				CSW-BIDLB-3E10	\$16.60	
					CSW-BIDLB-4E10	\$16.60	
					CSW-BIDLB-0D66	\$16.60	
					CSW-BIDLB-1D66	\$16.60	
					CSW-BIDLB-2D66	\$16.60	
					CSW-BIDLB-3D66	\$16.60	
220-240 VAC 50/60Hz		CSW-BIDLB-4D66	\$16.60				

Note: 1) Blocks specific for mounting in base or PBW plastic control stations.

Emergency Pushbuttons with Latch (EN 418 and IEC 60947-5-5)

Pushbuttons with Latch, Light Indication and Monitoring - 022mm - IP66
 Emergency Pushbuttons with Latch and Monitoring - External Diameter 42 mm²⁾

Image	Description	Signaling		Color		Catalog Number	Price	Multiplier
		Front	Side					
	Pull-to-release	N/A	N/A		Red	CSW-BESPM WH	\$15	Z5
	Twist-to-release				Red	CSW-BESGM WH	\$15	
	GBES-02; Use with CSW-BESP WH, CSW-BESPM WH, CSW-BESPSFI WH, CSW-BESPFIM WH, CSW-BESG WH, CSW-BESGM WH, CSW-BESGSFI WH, CSW-BESGSFIM WH, and CSW-BESY WH					GBES-02	\$10	

Emergency Pushbuttons with Latch, Light Indication and Monitoring - External Diameter 42 mm^{1) 2)}

Image	Description	Signaling		Color		Catalog Number	Price	Multiplier
		Front	Side					
	Pull-to-release	Light	Green Ring		Red	CSW-BESPSFIM WH	\$19	Z5
	Twist-to-release				Red	CSW-BESGSFIM WH	\$19	
	GBES-02; Use with CSW-BESP WH, CSW-BESPM WH, CSW-BESPSFI WH, CSW-BESPFIM WH, CSW-BESG WH, CSW-BESGM WH, CSW-BESGSFI WH, CSW-BESGSFIM WH, and CSW-BESY WH					GBES-02	\$10	

Contact Block Tie

Image	Description	Standard Packaging	Catalog Number	Price	Multiplier
	Contact block tie for the monitoring mechanical assembly together with CSW-BESPM WH, CSW-BESPFIM WH, CSW-BESGM WH, or CSW-BESGSFIM WH pushbutton. Maximum number of contact blocks: 3 BC_F blocks. Note: It does not allow overlapping the contacts.	1 piece	CBCSW	\$3	Z5

Notes:



- 1) For use with BIDL illumination blocks (supplied separately)
- 2) Check the maximum number of contact blocks recommended for each head on page 347.

Pushbuttons and Pilot Lights


Accessories for CSW (22mm)

Mounting in Flanges or Control Stations


Plastic Legend Plates

Image	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.006 kg	Black and red legend plates 27 x 18 mm without engraving	5 pieces	AP30	\$8.00	Z5
 0.006 kg	Translucent legend plates 27x18 mm without engraving	5 pieces	AP30T	\$8.00	Z5







Emergency-Stop Plate

Image	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.009 kg	Legend plate for emergency pushbutton.	1 piece	APEC-02	\$7.50	Z5









Fixing Ring Tool

Image	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.017 kg	Tool for the insertion/removal of the CSW pushbuttons, pilot lights and selector switches fixing ring	1 piece	CAF22	\$5.60	Z5

Spare Lens for Pilot Lights

Image	Description	Color	Standard packing	Catalog Number	List Price	Multiplier
 0.004 kg	Lens to replace the pilot lights color		5 pieces	ALSD0	\$10.50	Z5
				ALSD1	\$10.50	
				ALSD2	\$10.50	
				ALSD3	\$10.50	
				ALSD4	\$10.50	








Engraved Pushbutton Caps¹⁾

Image	Description	Function and Color	Standard packing	Catalog Number	List Price	Multiplier
	Engraved caps for flush pushbuttons ¹⁾	 Stop	5 pieces	ACB1-30	\$1.50	Z5
		 Start		ACB5-31		
		 Rectilinear movement		ACB5-32		
		 Clockwise rotation		ACB5-33		
		 Counterclockwise rotation		ACB5-34		
		 Feed		ACB5-35		
		 Reset		ACB4-37		

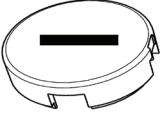






Notes: 1) Other engraving options under request;

Common Accessories - Mounting in Flanges or Control Stations


Pushbutton Caps

Image	Description	Color	Standard packing	Catalog Number	List Price	Multiplier
 0.005 kg ²⁾	Caps to replace the flush pushbuttons colors		5 pieces	ACB0	\$.90	Z5
				ACB1	\$.90	
				ACB2	\$.90	
				ACB3	\$.90	
				ACB4	\$.90	
			ACB5	\$.90		
		All six colors	6 pieces	ACB	\$.90	


Engraved Illuminated Pushbutton Caps¹⁾

Image	Description	Function and Color	Standard packing	Catalog Number	List Price	Multiplier
 0.010 kg ²⁾	Engraved internal caps for flush illuminated and extended illuminated pushbutton ¹⁾	 Stop	5 pieces	ALBI-30	\$2.00	Z5
		 Start		ALBI-31		
		 Rectilinear movement		ALBI-32		
		 Clockwise rotation		ALBI-33		
		 Counter-clockwise rotation		ALBI-34		
		 Feed		ALBI-35		


Hole Plug

Image	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.010 kg ²⁾	Round plug for unused Ø22 mm holes	5 pieces	ATR	\$24.50	Z5

Single Pushbutton Protection

Image	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.010 kg ²⁾	Silicon additional protective cover for flush pushbuttons (BF) and pilot lights (SD)	5 pieces	APBF CSW	\$38.50	Z5
	Silicon additional protective cover for illuminated flush pushbuttons (BFI), illuminated extended pushbuttons (BSI) and extended pushbuttons (BS)		APBI CSW	\$49.50	Z5

Double Pushbutton Protection³⁾

Image	Description	Standard packing	Catalog Number	List Price	Multiplier
 0.010 kg ²⁾	Silicon protective cover for double pushbuttons CSW-BD (IP40) to ensure IP66 Degree of Protection	5 pieces	APBD CSW	\$78.00	Z5
	Silicon protective cover for double pushbuttons CSW2-BD to ensure IP66 Degree of Protection	5 pieces	AP2BD CSW	\$78.00	Z5
	Silicon protective cover for triple push-buttons CSW2-BT to ensure IP66 Degree of Protection	5 pieces	AP2BT CSW	\$78.00	Z5

Notes: 1) Other engraving options under request
 2) Unitary weight
 3) Not compatible with PBW Control Station.

Pushbuttons and Pilot Lights

CSW Series (22mm)

Plastic Engraved 27 x 18 mm Legend Plates¹⁾ for Control Stations



0.020 kg³⁾

Single pushbuttons and pilot lights

Catalog Number	Engraving	List Price	Multiplier
AP30-204	HAND	\$1.75	Z5
AP30-205	AUTO	\$1.75	
AP30-18 ²⁾	STOP	\$1.75	
AP30-11	OPEN	\$1.75	
AP30-01	CLOSE	\$1.75	
AP30-19	UP	\$1.75	
AP30-02	DOWN	\$1.75	
AP30-04	FORWARD	\$1.75	
AP30-15	REVERSE	\$1.75	
AP30-10	ON	\$1.75	
AP30-132	OFF	\$1.75	
AP30-12	POWER ON	\$1.75	
AP30-14	RESET	\$1.75	
AP30-17	START	\$1.75	
AP30-16	RUN	\$1.75	
AP30-206	FAST	\$1.75	
AP30-207	SLOW	\$1.75	
AP30-208	RIGHT	\$1.75	
AP30-209	LEFT	\$1.75	
AP30-210	INCH	\$1.75	
AP30-03 ²⁾	EMERGENCY STOP	\$1.75	
AP30-05	JOG	\$1.75	
AP30-06	JOG FORWARD	\$1.75	
AP30-07	JOG REVERSE	\$1.75	
AP30-08	LOWER	\$1.75	
AP30-13	RAISE	\$1.75	
AP30-147	FAULT	\$1.75	
AP30-129	MANUAL	\$1.75	

2-position selector switches

Catalog Number	Engraving		List Price	Multiplier
AP30-21	HAND	AUTO	\$1.75	Z5
AP30-27	START	STOP	\$1.75	
AP30-20	FOR	REV	\$1.75	
AP30-22	JOG	RUN	\$1.75	

Catalog Number	Engraving		List Price	Multiplier
AP30-24	OFF	ON	\$1.75	Z5
AP30-25	OPEN	CLOSE	\$1.75	
AP30-26	RUN	JOG	\$1.75	

3-position selector switches

Catalog Number	Engraving			List Price	Multiplier
AP30-30	FOR	OFF	REV	\$1.75	Z5
AP30-32	MAN	OFF	AUTO	\$1.75	
AP30-33	OPEN	OFF	AUTO	\$1.75	
AP30-34	OPEN	OFF	CLOSE	\$1.75	

Notes: 1) Other engraving options under request;
 2) Red plate engraved in white;
 3) Unitary weight.

Technical Data

Pushbuttons, Selector Switches and Pilot Lights

Applicable standards	IEC 60947-5-1, VDE 0660, UL 508, CENELEC EN 50007, ISO 13850 (EN 418), IEC 60947-5-5
Certifications	CE, cULus, BV, IRAM, PCT, RCC, ICONTEC
Degree of protection	IP66 and IP40 (CSW-BD) according to IEC 60529 Type 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 12K y 13 according to UL 508

Mechanical lifespan

Pushbuttons	3 x 10 ⁶ operations
Pushbuttons CSW-BEG/EY/CT/CY	3 x 10 ⁵ operations
Pushbuttons CSW2-BD/BT	2 x 10 ⁶ operations
Emergency pushbuttons CSW-BESG/P/Y	1 x 10 ⁵ operations
Selector switches	1 x 10 ⁶ operations

Contact Block

Applicable standards	IEC 60947-5-1, VDE 0660, UL 508, CENELEC EN 50007, ISO 13850 (EN 418), IEC 60947-5-5
Certifications	CE, cULus, BV, IRAM, PCT, RCC, ICONTEC
Rated insulation voltage U _i	690 V
Rated impulse voltage U _{imp}	4 kV
Degree of protection (IEC 60529)	IP20
Conventional thermal current I _{th}	10 A

Electrical performance according to IEC 60947-5-1

	BC....-CSW		BCM01-CSW	
	U _e (V ac)	I _e (A)	U _e (V ac)	I _e (A)
Utilization 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
	600	1,2	600	1,2
Utilization category DC-13	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	
Performance according to UL and CSA	AC / Heavy Duty (A600) e DC / Standard Duty (R300)		-	
Contact resistance (IEC 60255)	≤ 25m Ω			
Potention against short circuit (IEC 60269-1/IEC 60269-3)	6 A fuse / 690 V gL/gG (1 kA) 16 A Miniature Circuit Breaker (MDW-B16)		6 A fuse / 500 V gL/gG (0.5 kA) 6 A Miniature Circuit Breaker (MDW-B6)	
Electric shock protection (IEC 60536)	Class II			
Terminal capacity (wire/cable with or without terminal)	Minimum (1 x 0,5 mm ²) and maximum (2 x 2,5 mm ²)			
Tightening torque	0,8 N.m			
Ambient temperature allowed	-25 °C...+70 °C			
Mechanical shock resistance	No damage or disassembling up to 100 g (1/2 senoid 11 rms, according to MIL 202 B method 202 A)			
Vibration resistance (IEC 60068-2-6)	16 g for a frequency range of 40 to 500 Hz. Maximum displacement 0.75 mm (peak to peak)			

Pushbuttons and Pilot Lights

CSW Series (22mm)

Technical Data

Illumination Blocks with Integrated LED

Applicable standards	IEC 60947-5-1, UL 508
Operation voltage range	0.85...1,10 x U _e
Degree of protection (IEC 60529)	IP20
Energy consumption (V ac/dc)	10 mA
Rated impulse voltage U _i (IEC 60947-1)	2.5 kV
Ambient temperature allowed	- 25 °C...+70 °C
Average lifespan	100,000 hours
Brightness	Red 70 mcd
	Yellow 115 mcd
	White 275 mcd
	Blue 64 mcd
	Green 150 mcd
Terminal capacity (wire/cable with or without terminal)	Minimum (1 x 0.5 mm ²) and maximum (2 x 2.5 mm ²)
Tightening torque	0.8 N.m

Special Blocks (Illumination, Sockets, Voltage Reduction)

Applicable standards	IEC 60947-5-1, UL 508
Degree of protection (IEC 60529)	IP20
Rated impulse voltage U _i (IEC 60947-1)	4 kV
Ambient temperature allowed	- 25 °C...+70 °C
Terminal capacity (wire/cable with or without terminal)	Minimum (1 x 0.5 mm ²) y maximum (2 x 2.5 mm ²)
Tightening torque	0.8 N.m

Decentralized Control Stations

Applicable standards	IEC 60947-5-1, IEC 50102, IEC 60529, UL 508, UL 50
Certifications	CE
Degree of protection (IEC 60529)	IP66 (NEMA 4X)
Ambient temperature allowed	-25 °C...+70 °C
Material	Polycarbonate (cover and base)
Cover color	Gray (RAL 7035) or Yellow (RAL 1003)
Base color	Black (RAL 9005)
Cable entry holes	ØM20 / PG13.5 / 1/2" and ØM16 / 3/8"
Use in ambient	External (UV rays) or internal

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Assembly Configurations

Maximum Recommended Configuration of Contact Blocks for Each type of Head and Flange

Type of frontal part	Illuminated selector switch	Non-illuminated selector switch	Illuminated pushbuttons				
Basic reference	CSW-CKI	CSW-CK, CSW-CA, CSW-CY	CSW2-BDFI, CSW2-BDSI	CSW-BCI, CSW-BD, CSW-BFI, CSW-BSI			
Maximum number of contacts	Max 4	Max 6	Max 4	Max 6			
AF3F flange (3 positions)							
Maximum number of contacts	Max 4	Max 8	Max 4	Max 6			
AF5F flange (5 positions) ¹⁾							
Maximum number of contacts	Max 4	Max 8	Max 4	Max 6			

Type of frontal part	Non-illuminated pushbuttons						
Basic reference	CSW-BESGM, CSW-BESPM, CSW-BESYM	CSW-BESG, CSW-BESP, CSW-BESY	CSW2-BDF, CSW2-BDS	CSW-BF, CSW-BGA	CSW-BC, CSW-BS	CSW-BEG, CSW-BCT, CSW-BCY	CSW2-BT
Maximum number of contacts	Max 3	Max 4	Max 4	Max 6	Max 6	Max 6	Max 7
AF3F flange (3 positions)							
Maximum number of contacts	-	Max 4	Max 4	Max 4	Max 4	Max 4	-
AF5F flange (5 positions) ²⁾	-	-					-

BC10F-CSW contact blocks
 BC01F-CSW contact blocks

BCM01-CSW monitoring contact blocks

Location not permitted

BIDLf illumination blocks

CBCSW contact block tie

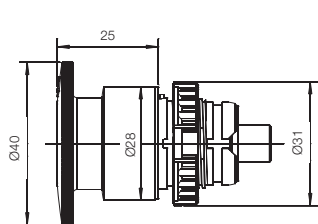
Notes: 1) In the central position of the AF5F flange, use illumination blocks only.
 2) Do not use monitoring blocks with the AF5F flange. Do not use emergency-stop pushbuttons with the AF5F flange.

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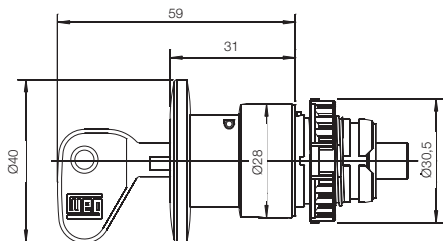
Pushbuttons and Pilot Lights

CSW Series (22mm)

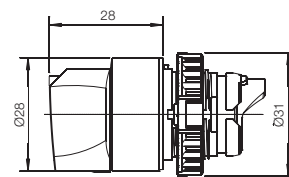
Dimensions (mm)



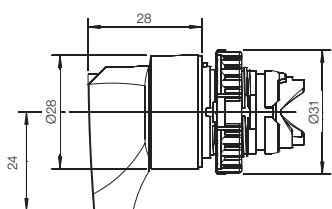
BEG
BCT



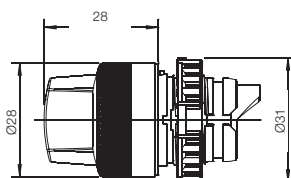
BEY
BCY



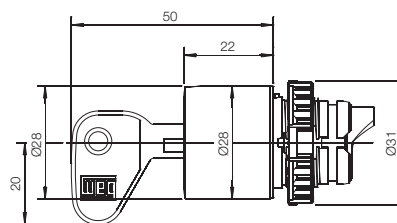
CK



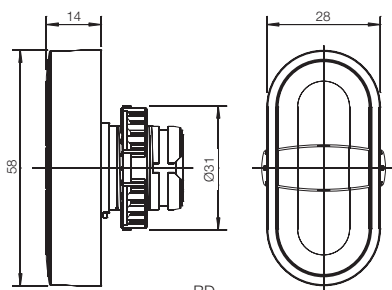
CA



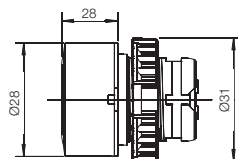
CKI



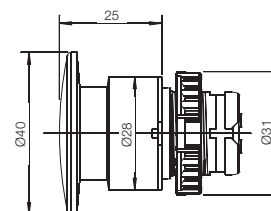
CY



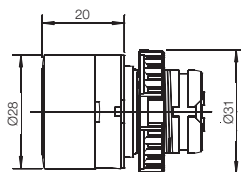
BD



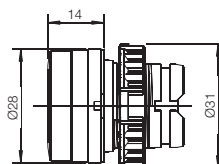
BF



BC
BCI



BFI
BGA



SD

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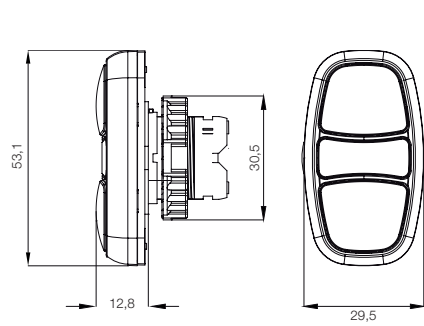
Power Factor Correction

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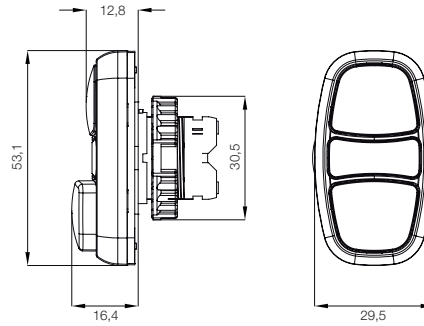
Appendix B

Appendix C

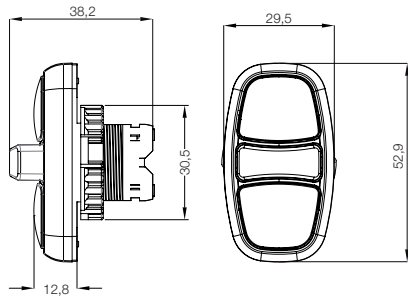
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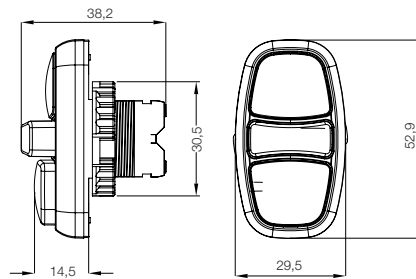
CSW2-BDF



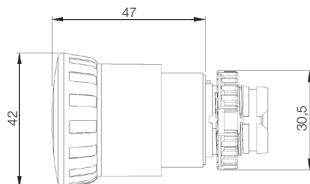
CSW2-BDS



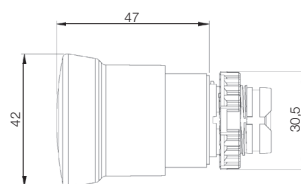
CSW2-BTF



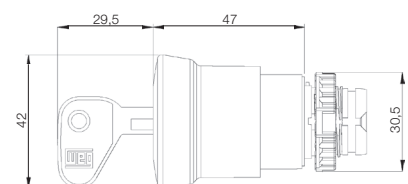
CSW2-BTS



BESG / BESGM / BESGSFI / BESGSFIM



BESE / BESEPM / BESEPSFI / BESESFIM



BESY

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CSW Series (22mm)

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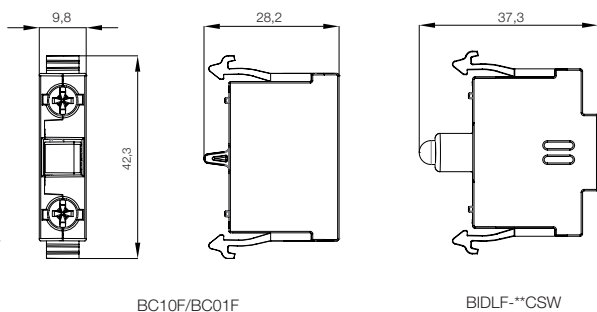
Terminal Blocks

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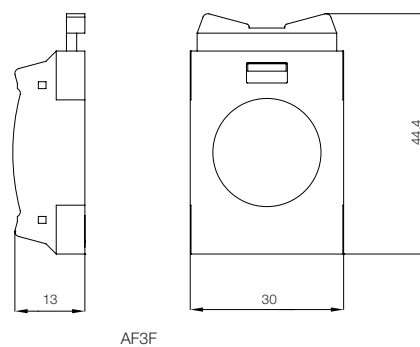
Appendix B

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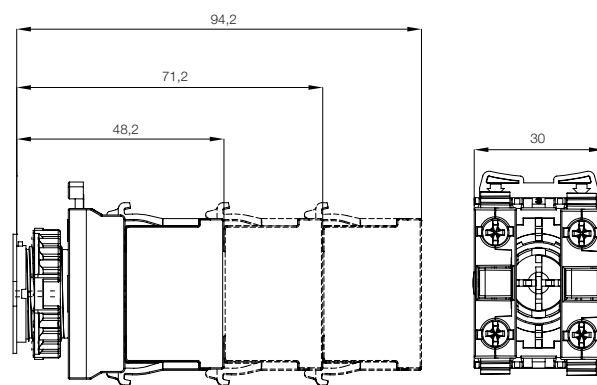


BC10F/BC01F

BIDLF-CSW

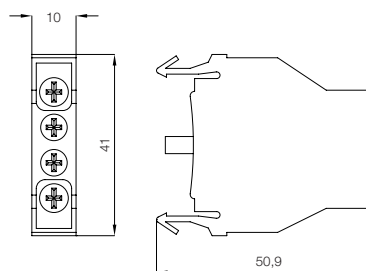


AF3F

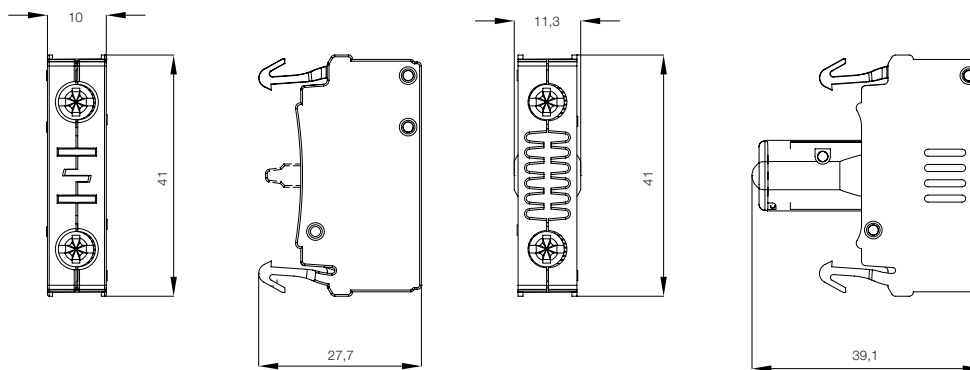


AF3F + 1...3x Contact Block BC_F

AF3F + Contact Block

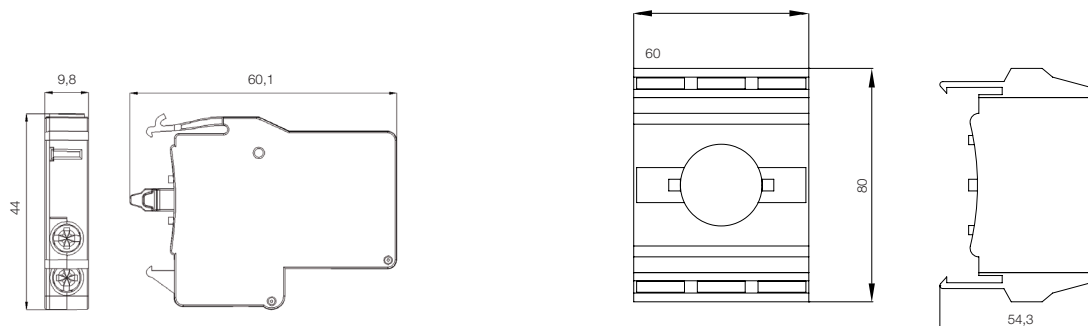


BC11/BC20/BC02



BC10/BC01/BCA10/BCR01

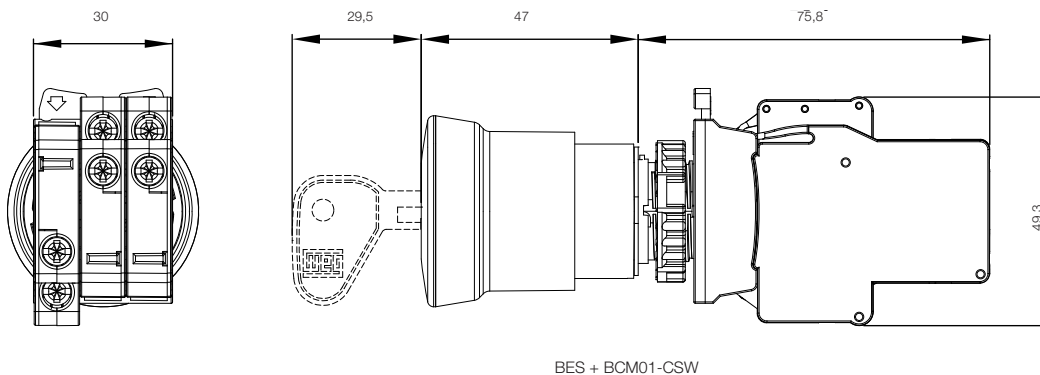
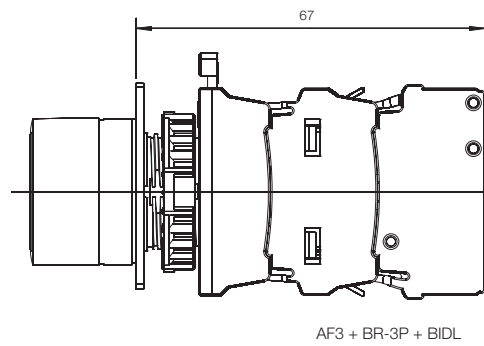
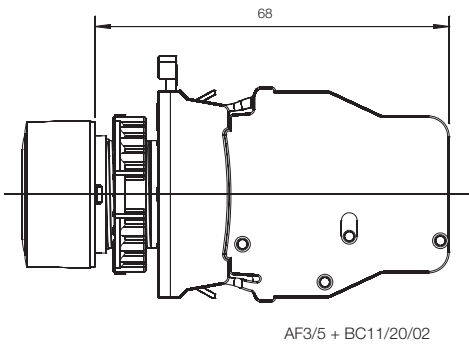
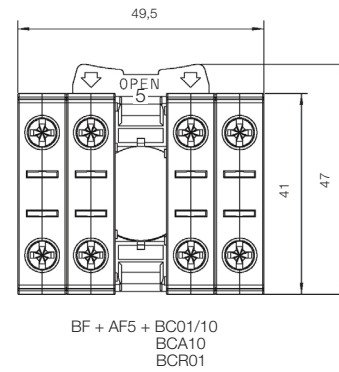
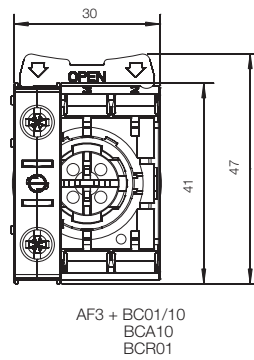
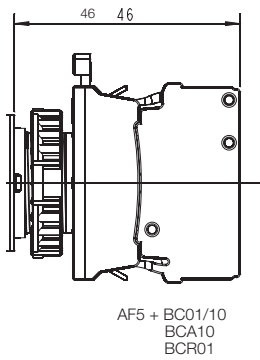
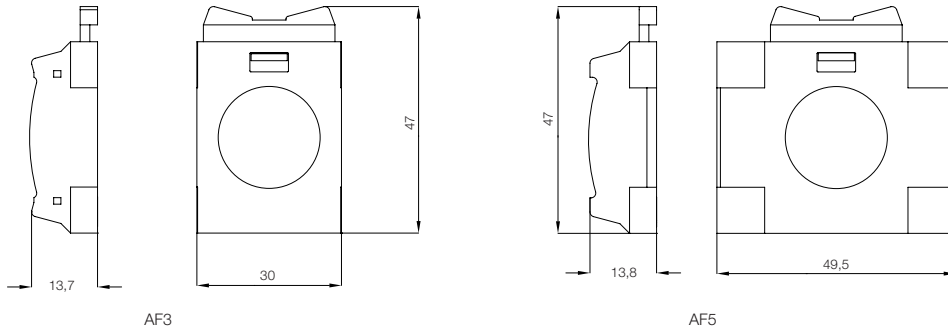
BIDL



BCM01

BR-3P

Dimensions (mm)

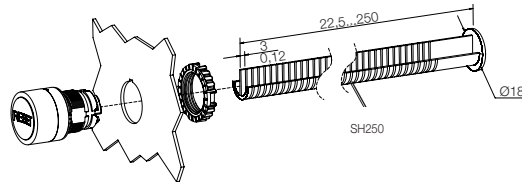


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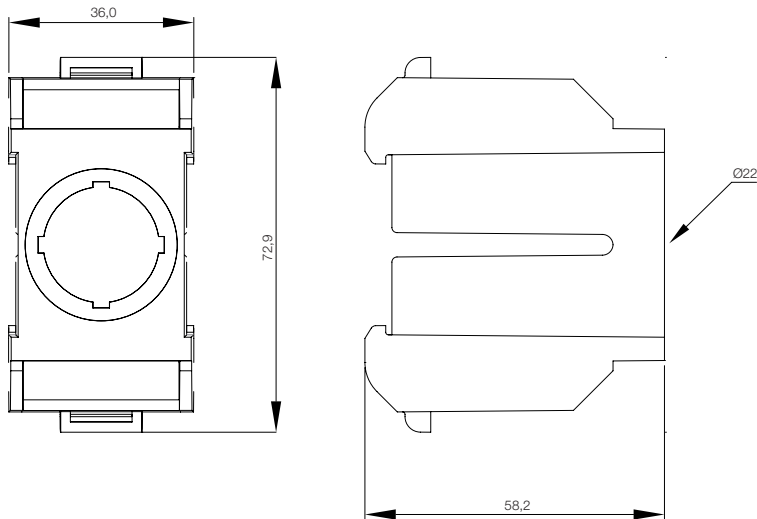
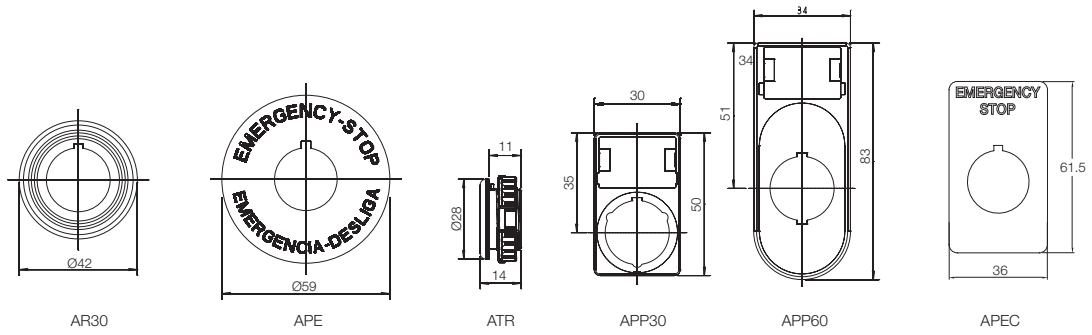
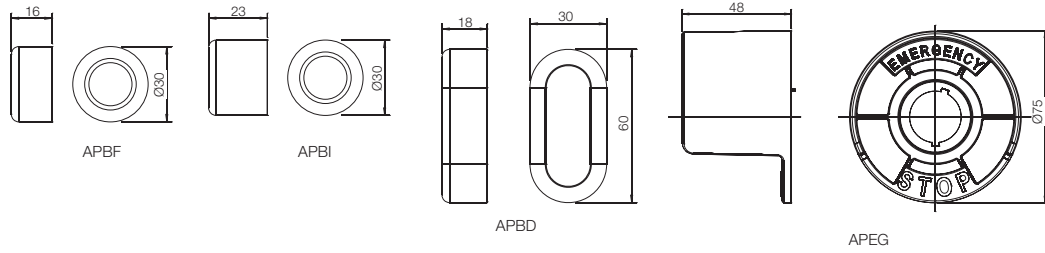
Pushbuttons and Pilot Lights

CSW Series (22mm)

Dimensions (mm)



CSW-BHF437



DRCSWA

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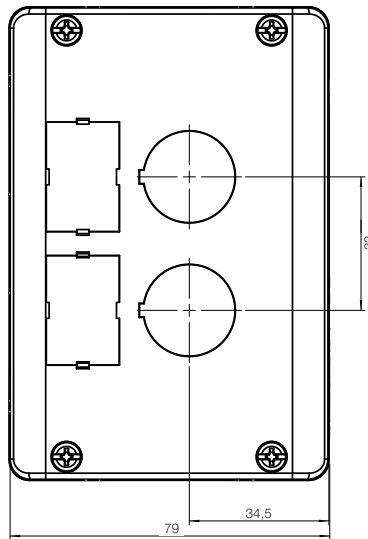
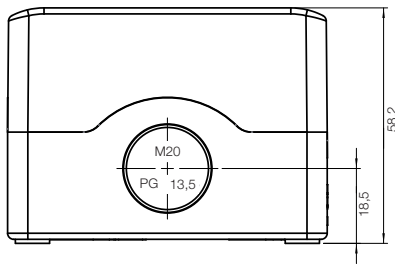
Appendix A

Appendix B

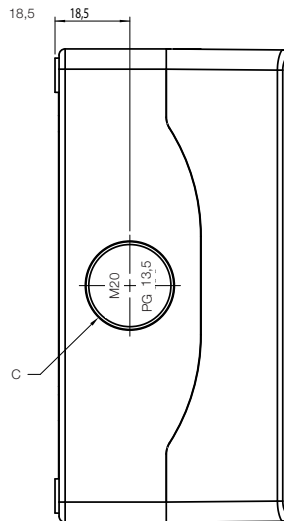
Appendix C

Dimensions (mm)

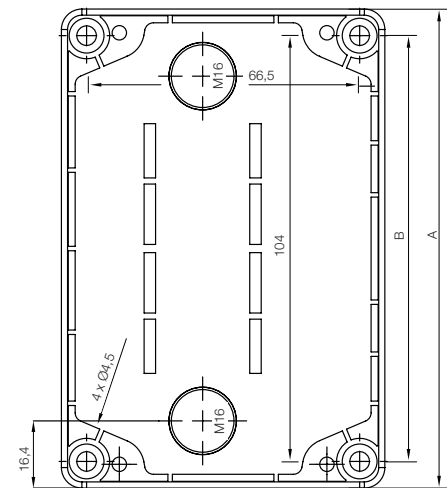
Bottom/Top



Side



Base



PBW decentralized control station

Number of holes	A	B	Cable entry holes									
			Bottom		Top		Side		Base			
			Size	Cable gland thread length	Size	Cable gland thread length	Size	Cable gland thread length	Size	Cable gland thread length		
1	74	66,7	1 x ØM20 ØPG13,5 Ø½ NPT	9 to 16 mm	1 x ØM20 ØPG13,5 Ø½ NPT	9 to 16 mm	1 x	ØM20 ØPG13,5 Ø½ NPT	9 to 16 mm	2 x	ØM16 ØPG9	7 to 10 mm
2	104	117					2 x					
3	137	150										
4	170	183										
6	236	249										

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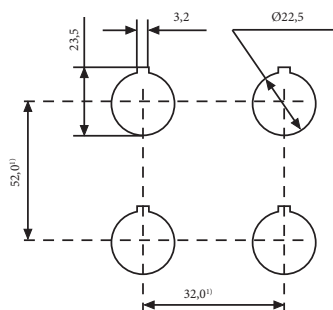
Appendix C

Pushbuttons and Pilot Lights

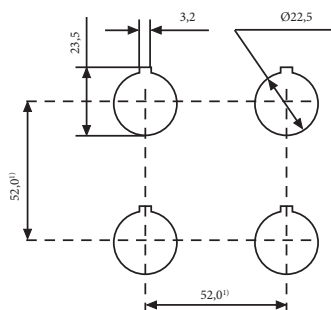
CSW Series (22mm)

Installation Distances (mm)

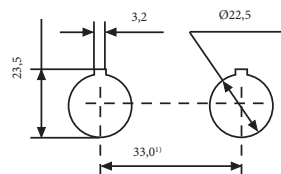
AF3F Flange



AF5F Flange



PBW Control Stations



Note: 1) Minimum distance to use Pushbuttons (Flush/Extended/Guarded) or Selectors (Knob). To use others Pushbuttons or Selectors is necessary to evaluate the head dimensions.

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Pushbutton and Pilot Light - CSW30 Series (30mm)

The WEG 30mm pushbuttons, selector switches, and indicators have been designed to offer the ruggedness required for severe industrial applications and environments. These modular devices offer superior quality at an affordable price.

Our hazardous duty series CSW30H also offers a wide selection of operators and pilot devices for hazardous duty applications (Class 1, Division, 2 and Zone 2). This series offers a wide selection of hermetically sealed reed and factory sealed contact blocks for superior corrosion resistance.

Standard Features

- NEMA 4, IP65 Rated;
- Fits 1-13/64 (30.5mm) hole without notch required
- Contact blocks snap-in (fast & easy assembly)
- Up to 8 contact blocks for non-illuminated operators and up to 4 contact blocks for illuminated operators
- LED lamps with built-in leakage protection
- Same simple part numbering system as 22mm series



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Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Appendix C



Pushbuttons and Pilot Lights

CSW30 Series (30mm)

Pushbuttons

- Types
 BF - Flush
 BS - Extended
 BC - Mushroom
 BGA - Recessed
 BGA1 - Illuminated Recessed
 BSI - Illuminated Extended
 BCI - Illuminated Mushroom

MULTIPLIER FOR CSW-30 SERIES
- Z55

CSW30- _____

_____ Voltage (see Voltage Code) For illuminated only
 _____ Color (see Color Code)

NON-ILLUMINATED FLUSH

CSW30 - ____

- BF0
- BF1
- BF2
- BF3
- BF4
- BF5



LIST PRICE \$26

NON-ILLUMINATED (EXTENDED)

CSW30 - ____

- BS0
- BS1
- BS2
- BS3
- BS4
- BS5



LIST PRICE \$26

MUSHROOM (40mm HEAD)

CSW30 - ____

- BC1
- BC2
- BC5



LIST PRICE \$37

NON-ILLUMINATED RECESSED

CSW30 - ____

- BGA0
- BGA1
- BGA2
- BGA3
- BGA4
- BGA5



LIST PRICE \$32

ILLUMINATED EXTENDED

CSW30 - ____ *

- BSI0
- BSI1
- BSI2
- BSI3
- BSI4



LIST PRICE \$93

ILLUMINATED MUSHROOM (40mm HEAD)

CSW30 - ____ *

- BCI0
- BCI1
- BCI2
- BCI3
- BCI4




LIST PRICE \$100

ILLUMINATED RECESSED

CSW30 - ____ *

- BGA10
- BGA11
- BGA12
- BGA13
- BGA14



LIST PRICE \$100

- Notes:
- Illuminated operators are supplied with LED block. To complete selection, replace "*" with desired voltage code: E26 (24 VAC/VDC), D61 (120 VAC/VDC), or D66 (240 VAC/VDC). See LED Block Voltage table below.
 - Contact block ordered separately. See page 358.

Emergency-Stop Pushbuttons

- Types
 G - Twist release
 P - Push Pull

CSW30- _____

Pilot Lights

CSW30- _____

_____ Voltage (see Voltage Code)
 _____ Color (see Color Code)

E-STOP - TWIST RELEASE E-STOP - PUSH PULL

- BEG
- BEG2



LIST PRICE \$81

- BEP
- BEP2



LIST PRICE \$75

PILOT LIGHTS

CSW30 - ____ *

- SD0
- SD1
- SD2
- SD3
- SD4



LIST PRICE \$89

Code Chart

Color	Clear/White	Red	Green	Yellow	Blue	Black
Code	0	1	2	3	4	5
Symbol	○	●	●	●	●	●

LED Block Voltage	
E26	24Vac/Vdc
D61	120Vac/Vdc
D66	240Vac/Vdc

Selector Switches

Types

CK - Knob

CA - Lever

CY - Key

CSW30-

No. of Positions

2 - Two positions

3 - Three positions

4 - Four positions

Angle

45 - 45°

90 - 90°











Handle

F - Maintained

R - Spring return

RE - Spring return from left

RD - Spring return from right

KNOB	LEVER	with KEY ¹⁾	POSITION	DIAGRAM
 <p>LIST PRICE Maintained \$39 Spring Return \$57</p>	 <p>LIST PRICE Maintained \$39 Spring Return \$57</p>	 <p>LIST PRICE Maintained \$110 Spring Return \$128</p>		
CSW30-CK2F90	CSW30-CA2F90	CSW30-CY2F90		1
CSW30-CK2R90	CSW30-CA2R90	CSW30-CY2R90		1
CSW30-CK3F45	CSW30-CA3F45	CSW30-CY3F45		2
CSW30-CK3R45	CSW30-CA3R45	CSW30-CY3R45		2
CSW30-CK3RE45	CSW30-CA3RE45	CSW30-CY3RE45		2
CSW30-CK3RD45	CSW30-CA3RD45	CSW30-CY3RD45		2
CSW30-CK4F18	CSW30-CA4F18	CSW30-CY4F18		3

1) Key is released on any position. Consult WEG for other configuration.

2) Contact blocks ordered separately

DIAGRAM 1			
HANDLE POSITION		Auxiliary Contact	Mouting Position
I	II		
0	X	NO	Either
X	0	NC	Either
0	X	early make	Either
X	0	late break	Either

X = CLOSED
0 = OPEN

DIAGRAM 2				
HANDLE POSITION			Auxiliary Contact	Mouting Position
I	0	II		
X	0	0	NO	Left
0	0	X	NO	Right
0	X	0	NC	Either
X	0	X	early make	Either
0	X	X	late break	Left
X	X	0	late break	Right

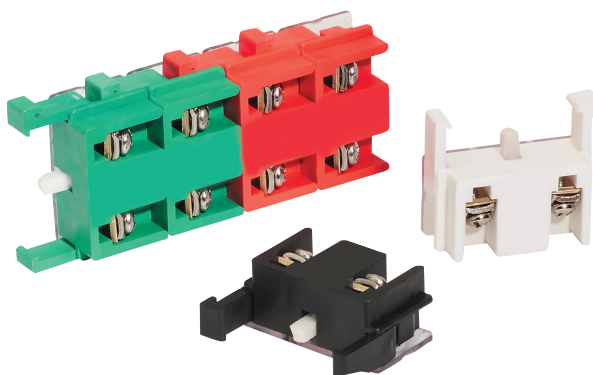
DIAGRAM 3					
HANDLE POSITION				Auxiliary Contact	Mouting Position
I	II	III	IV		
X	0	0	0	NO	Left
0	0	0	X	NO	Right
0	0	X	0	NC	Left
0	X	0	0	NC	Right
X	X	0	X	early make	Left
X	0	X	X	early make	Right
0	X	X	X	late break	Left
X	X	X	0	late break	Right

Pushbuttons and Pilot Lights

CSW30 Series (30mm)

Auxiliary Contacts

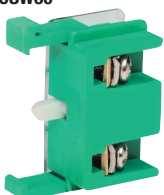
Our standard contact blocks are color coded for easy circuit identification to minimize wiring errors. WEG's contact blocks are stackable up to 4 deep (for a total of up to 8 circuits per operator) without the need of any additional accessory. Combining different contact blocks types enable several functions to be achieved.



CONTACT BLOCKS

Normally Open
BC10-CSW30

LIST PRICE
\$13



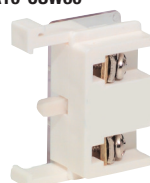
Normally Closed
BC01-CSW30

LIST PRICE
\$13



Early Make
BCA10-CSW30

LIST PRICE
\$17



Late Break
BCR01-CSW30

LIST PRICE
\$17



Accessories

CLAMP RING WRENCH



CPAW30

LIST PRICE
\$30

Simplifies the tightening or loosening of polyester and aluminum 1-3/8" clamp rings.

30MM HOLE PLUG



ATR30

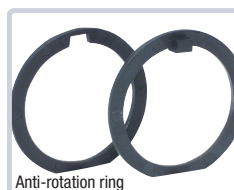
LIST PRICE
\$25

NEMA 4X rated plug to seal up unwanted panel holes.

THRUST AND TRIM WASHER

CSW30-TTW

LIST PRICE
\$4



Anti-rotation ring

GUARD & LOCK-OFF ATTACHMENT



FIGURE	CATALOG NUMBER	Description	List Price	Multiplier
1	CSW30-GAPB	30MM GUARD ATTACHMENT FOR MAINTAINED PUSH BUTTONS	\$40	Z55
2	CSW30-L01	30MM LOCK OFF ATTACHMENT FOR STANDARD EXTENDED CAP	\$32	
2	CSW30-L02	30MM LOCK OFF ATTACHMENT FOR STANDARD MOMENTARY MUSHROOM CAP	\$32	
2	CSW30-L03	30MM LOCK OFF ATTACHMENT FOR PUSH-PULL MTD MUSHROOM CAP OR PUSH MTD EXTENDED CAP	\$32	
3	CSW30-L04	30MM LOCK OFF ATTACHMENT FOR MOST PUSH BUTTONS AND SELECTOR SWITCHES	\$50	

EMERGENCY PLATE

APE30-03



LIST PRICE
\$8.30

PANEL GASKETS

CSW30-PG2 (1/16')
CSW30-PG6 (3/16')



LIST PRICE
\$10

Special Operators

POTENTIOMETER

CSW30-POT_W

LIST PRICE
\$145

CSW30-POT — W	Resistance	
	1 - 1kΩ	10 - 10kΩ
	2 - 2kΩ	50 - 50kΩ
	5 - 5kΩ	

RESET

CSW30-RSBW

LIST PRICE
\$22

Note: Plunger included as standard.

PUSH ON / PUSH OFF BLOCK

BR3P-CSW30

LIST PRICE
\$37

WOBBLE STICK

CSW30-WS

LIST PRICE
\$65

BOOTED CABLE PULL

CSW30-CPBT

LIST PRICE
\$130

LED Bulbs



Catalog Number	Description	List Price	Multiplier
CSW30-BIDL3E26	Yellow 24vac/24vdc	\$28	Z55
CSW30-BIDL4E26	Blue 24vac/24vdc	\$28	
CSW30-BIDL2E26	Green 24vac/24vdc	\$28	
CSW30-BIDL1E26	Red 24vac/24vdc	\$28	
CSW30-BIDL0E26	White 24vac/24vdc	\$28	
CSW30-BIDL3D61	Yellow 120vac/120vdc	\$28	Z55
CSW30-BIDL4D61	Blue 120vac/120vdc	\$28	
CSW30-BIDL2D61	Green 120vac/120vdc	\$28	
CSW30-BIDL1D61	Red 120vac/120vdc	\$28	
CSW30-BIDL0D61	White 120vac/120vdc	\$28	

Notes:
Replacement LED bulbs for 240Vac/Vdc illuminated operators are the "E26" (24Vac/Vdc) bulbs. Please refer to the correct color when ordering.

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

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Enclosed Starters

Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Appendix C

Pushbuttons and Pilot Lights

CSW30 Series (30mm)

Engraved Legend Plates

Catalog Number	Engraving	Description	List Price	Multiplier
For Pushbuttons & Indicating Lights				
APP30S-01	Close	30mm Legend Plate & Holder - Close	\$6	Z55
APP30S-02	Down	30mm Legend Plate & Holder - Down	\$6	
APP30S-03	Emergency Stop	30mm Legend Plate & Holder - Emergency Stop	\$6	
APP30S-04	Forward	30mm Legend Plate & Holder - Forward	\$6	
APP30S-05	Jog	30mm Legend Plate & Holder - Jog	\$6	
APP30S-06	Jog Forward	30mm Legend Plate & Holder - Jog Forward	\$6	
APP30S-07	Jog Reverse	30mm Legend Plate & Holder - Jog Reverse	\$6	
APP30S-08	Lower	30mm Legend Plate & Holder - Lower	\$6	
APP30S-09	Off	30mm Legend Plate & Holder - Off	\$6	
APP30S-10	On	30mm Legend Plate & Holder - On	\$6	
APP30S-11	Open	30mm Legend Plate & Holder - Open	\$6	
APP30S-12	Power On	30mm Legend Plate & Holder - Power On	\$6	
APP30S-13	Raise	30mm Legend Plate & Holder - Raise	\$6	
APP30S-14	Reset	30mm Legend Plate & Holder - Reset	\$6	
APP30S-15	Reverse	30mm Legend Plate & Holder - Reverse	\$6	
APP30S-16	Run	30mm Legend Plate & Holder - Run	\$6	
APP30S-17	Start	30mm Legend Plate & Holder - Start	\$6	
APP30S-18	Stop	30mm Legend Plate & Holder - Stop	\$6	
APP30S-19	Up	30mm Legend Plate & Holder - Up	\$6	
APP30S-147	Fault	30mm Legend Plate & Holder - Fault	\$6	
APP30S-100	Auto	30mm Legend Plate & Holder - Auto	\$6	
APP30S-101	Fast	30mm Legend Plate & Holder - Fast	\$6	
APP30S-102	Hand	30mm Legend Plate & Holder - Hand	\$6	
APP30S-103	Low	30mm Legend Plate & Holder - Low	\$6	
APP30S-104	Manual	30mm Legend Plate & Holder - Manual	\$6	
APP30S-105	Out	30mm Legend Plate & Holder - Out	\$6	
APP30S-106	Overload	30mm Legend Plate & Holder - Overload	\$6	
APP30S-107	Push-to-Reset	30mm Legend Plate & Holder - Push-to-Reset	\$6	
APP30S-108	Slow	30mm Legend Plate & Holder - Slow	\$6	
APP30S-109	Trip	30mm Legend Plate & Holder - Trip	\$6	
APP30S-148	Motor Run	30mm Legend Plate & Holder - Motor Run	\$6	
APP30S-149	Power Off	30mm Legend Plate & Holder - Power Off	\$6	
APP30S-150	Push-to-Test	30mm Legend Plate & Holder - Push-to-Test	\$6	
APP30S-151	Test	30mm Legend Plate & Holder - Test	\$6	
For two-position Selector Switch				
APP30S-20	Forward -Reverse	30mm Legend Plate & Holder - Forward Reverse	\$6	Z55
APP30S-21	Hand - Auto	30mm Legend Plate & Holder - Hand Auto	\$6	
APP30S-22	Jog - Run	30mm Legend Plate & Holder - Jog Run	\$6	
APP30S-23	Manual - Auto	30mm Legend Plate & Holder - Manual Auto	\$6	
APP30S-24	Off - On	30mm Legend Plate & Holder - Off On	\$6	
APP30S-25	Open - Close	30mm Legend Plate & Holder - Open Close	\$6	
APP30S-26	Run - Jog	30mm Legend Plate & Holder - Run Jog	\$6	
APP30S-27	Start - Stop	30mm Legend Plate & Holder - Start Stop	\$6	
APP30S-28	Up - Down	30mm Legend Plate & Holder - Up Down	\$6	
APP30S-153	Down - Up	30mm Legend Plate & Holder - Down Up	\$6	
APP30S-154	Local - Remote	30mm Legend Plate & Holder - Local Remote	\$6	
APP30S-156	Reverse - Forward	30mm Legend Plate & Holder - Reverse Forward	\$6	
APP30S-157	Stop - Start	30mm Legend Plate & Holder - Stop Start	\$6	
APP30S-110	Auto - Hand	30mm Legend Plate & Holder - Auto Hand	\$6	

General Information

Circuit Protection

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Motor Protectors

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Electronic Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

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Appendix C

Engraved Legend Plates

Catalog Number	Engraving	Description	List Price	Multiplier
For two-position Selector Switch				
APP30S-111	Auto - Manual	30mm Legend Plate & Holder - Auto Manual	\$6	Z55
APP30S-112	Fast - Slow	30mm Legend Plate & Holder - Fast Slow	\$6	
APP30S-113	High - Low	30mm Legend Plate & Holder - High Low	\$6	
APP30S-114	Inch - Run	30mm Legend Plate & Holder - Inch Run	\$6	
APP30S-115	Left - Right	30mm Legend Plate & Holder - Left Right	\$6	
APP30S-116	On - Off	30mm Legend Plate & Holder - On Off	\$6	
APP30S-119	Raise - Lower	30mm Legend Plate & Holder - Raise Lower	\$6	
APP30S-120	Slow - Fast	30mm Legend Plate & Holder - Slow Fast	\$6	
APP30S-121	Summer - Winter	30mm Legend Plate & Holder - Summer Winter	\$6	
For three-position Selector Switch				
APP30S-29	Auto - Off - Hand	30mm Legend Plate & Holder - Auto Off Hand	\$6	Z55
APP30S-30	Forward - Off - Reverse	30mm Legend Plate & Holder - For Off Rev	\$6	
APP30S-31	Hand - Off - Auto	30mm Legend Plate & Holder - Hand Off Aut	\$6	
APP30S-32	Manual - Off - Auto	30mm Legend Plate & Holder - Man Off Auto	\$6	
APP30S-33	Open - Off - Auto	30mm Legend Plate & Holder - Open Off Auto	\$6	
APP30S-34	Open - Off - Close	30mm Legend Plate & Holder - Open Off Close	\$6	
APP30S-35	Up - Off - Down	30mm Legend Plate & Holder - Up Off Down	\$6	
APP30S-198	Low - Med - High	30mm Legend Plate & Holder - Low Med High	\$6	
APP30S-199	Low - Off - High	30mm Legend Plate & Holder - Low Off High	\$6	
APP30S-158	Down - Off - Up	30mm Legend Plate & Holder - Down Off Up	\$6	
APP30S-159	Jog - Off - Auto	30mm Legend Plate & Holder - Jog Off Auto	\$6	
APP30S-160	Raise - Off - Lower	30mm Legend Plate & Holder - Raise Off Lower	\$6	
APP30S-161	Local - Off - Remote	30mm Legend Plate & Holder - Local Off Remote	\$6	
APP30S-162	Forward - Auto - Rev	30mm Legend Plate & Holder - Fwd Auto Rev	\$6	
APP30S-122	Auto - Manual - Off	30mm Legend Plate & Holder - Auto Manual Off	\$6	
APP30S-123	High - Off - Low	30mm Legend Plate & Holder - High Off Low	\$6	
APP30S-124	Off - Run - Start	30mm Legend Plate & Holder - Off Run Start	\$6	
APP30S-125	Off - Start - Run	30mm Legend Plate & Holder - Off Start Run	\$6	
APP30S-126	Off - 1 - 2	30mm Legend Plate & Holder - Off 1 2	\$6	
APP30S-127	Slow - Off - Fast	30mm Legend Plate & Holder - Slow Off Fast	\$6	
APP30S-128	Summer - Off - Winter	30mm Legend Plate & Holder - Summer Off Winter	\$6	
APP30S-129	1 - Off - 2	30mm Legend Plate & Holder - 1 Off 2	\$6	
APP30S-130	1 - 2 - 3	30mm Legend Plate & Holder - 1 2 3	\$6	
For Push/Pull units				
APP30S-36	On - Off	30mm Legend Plate & Holder - On / Off	\$6	Z55
APP30S-37	Open - Close	30mm Legend Plate & Holder - Open / Close	\$6	
APP30S-38	Up - Down	30mm Legend Plate & Holder - Up / Down	\$6	
APP30S-152	Pull Start - Push Stop	30mm Legend Plate & Holder - Pull Start / Push Stop	\$6	
APP30S-155	Push to Stop - Pull to Start	30mm Legend Plate & Holder - Push to Stop / Pull to Start	\$6	
APP30S-117	Push Off - Pull On	30mm Legend Plate & Holder - Push Off / Pull On	\$6	
APP30S-118	Push On - Push Off	30mm Legend Plate & Holder - Push On / Push Off	\$6	
For Potentiometers				
APP30S-P00	0 - 100	30mm Legend Plate & Holder - (Blank 0 - 100)	\$6	Z55
APP30S-P01	0 - 10	30mm Legend Plate & Holder - (Blank 0 - 10)	\$6	
APP30S-P02	Speed 0 - 10	30mm Legend Plate & Holder - (Speed 0 - 10)	\$6	
APP30S-P03	Speed 0 - 100	30mm Legend Plate & Holder - (Speed 0 - 100)	\$6	

- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
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Pushbuttons and Pilot Lights

CSW30 Series (30mm)

Technical Data

ELECTRICAL RATINGS - 30MM INDUSTRIAL PILOT DEVICES

Lamp	Industry Number	Rated Volts	Lumens (MSCD)	Design Life (Hrs.)	Current Draw (mA)	Lamp Type	Shock & Vibration	Leakage Protection
BIDL6	**	6V	Varies w/ Color	100,000	50	LED	Excellent	14 mA
BIDL12	**	12V	Varies w/ Color	100,000	<20	LED	Excellent	4 mA
BIDL24	**	24V	2000 MSCD	100,000	<20	LED	Excellent	4 mA
BIDL130	**	120/130V	Typical	100,000	<10	LED	Excellent	2 mA

*Specify lamp color when ordering.

Dielectric Strength (Terminal to Ground) 2200V for 1 Minute

Standard Contacts	Current Type	IEC	UL	Make Rating	Break Rating	lth-Thermal Current
BC10-CSW30 BC01-CSW30 BCA10-CSW30 BCR01-CSW30	AC	AC-15	A600	7200VA	720VA	10A
	DC	DC-13	P300	138VA	138VA	5

Note:

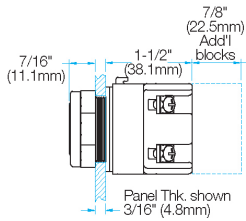
- For AC voltage below 72V AC the max. allowed switching current is 10A = lth.
- For DC voltages below 28V DC the max. allowed switching current is 5A =lth.
- For switching applications below 24V/40mA - Hermetic REED contacts are recommended. Hermetic Reeds are also excellent in environments containing chemical vapors, oxidizing agents, and explosive gases.
- Please refer to the HAZARDOUS section of the 30mm devices for more information.

Environmental Ratings	Materials	Materials
Operating Temperature -40 to +131° F (-40 to +55° C)	Thermoplastic Polyester and Polyester Blends (UV Stabilized for outdoor use)	Pushbuttons (Operator Only)
Storage Temperature -40 to +185° F (-40 to +85° C)	Operator Housings	Momentary 1.3 lbs. [5.8N]
Operating environments below freezing temperatures are assumed to be absent of freezing liquids or pollutants.	Operator Caps and Handles - Non-illuminated (Glass Reinforced Grades)	Illuminated Momentary 2.8 lbs. [12.4N]
	Mounting Rings and Nuts	Maintained 4 to 6 lbs [17.9~26.7 N]
	Thrust Washer	Illuminated Maintained 4.6 lbs. [20.5 N]
	Trim Washer	Reset Push Button 1.5 lbs. [6.7 N]
Terminal & Wiring Consideration	High Impact Polycarbonate (UV Stabilized for outdoor use)	Selector Switches
Wire - AWG 22-12 CU (Copper Only - Solid & Stranded [.5-4 mm ²]) One or Two wires permitted per termination	Pilot Light Lens	Maintained 1.7 in-lbs [.19 Nm]
	Transparent Pushbutton and Mushroom Caps	Momentary 1.7 in-lbs [.19 Nm]
	Custom Polymers	Key Operated 1.7 in-lbs [.19 Nm]
	Certain CAM and Bearing parts are Teflon, Silicone, & Moly-Disulfide Impregnated for improved wearability	Cable Pull
Mechanical Design Life Cycles	Fluorosilicone and Thermoplastic Neoprene Boot Accessories	Standard 4 to 6 lbs [17.9~26.7 N]
Push Buttons	Seals	Heavy Duty 13 lbs. [57.8 N]
Momentary 5,000,000	Neoprene Gaskets	Push-Twist Release 4.7 lbs [20.9 N]
Maintained 250,000	Thermoplastic - Molded Neoprene and alloy derivatives	Potentiometer
Selector Switches 500,000	BUNA N - Rubber - Teflon Coated	2 Watt "J" Series 3-12 in-oz [.11 Nm Max.] (300° Rotation)
All Other Devices 250,000	Thermoplastic - Elastomer Molded Seals	Standard Contact Blocks 1 lb. [4.45 N]
Standard Contact Blocks 10,000,000	Fluorosilicone - Boots	Indicating Lights Refer to the appropriate Lamp Data
Indicating Lights - Refer to the appropriate Lamp Data	Metal: Brass & Stainless Steel	Multi-Voltage Light 20-140 VAC/VDC (Burden .65W max.)
	Push Pull Bushings	Transformer 2 VA
	Internal tubes for Maintained Devices	
	Detents for Maintained Devices	
	Springs (Stainless Steel throughout)	
	Aluminum	
	Optional Mounting Nut	

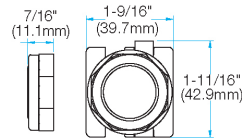
Momentary & Maintained Non-Illuminated Push Buttons

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

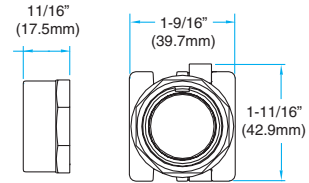
Non-Illuminated Operator (shown with Flush Cap)



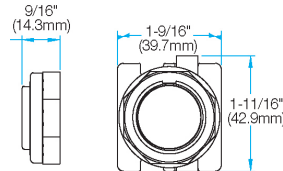
Momentary Flush Cap



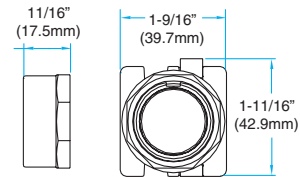
Momentary Guarded Flush Cap



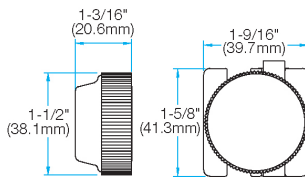
Momentary Extended Cap



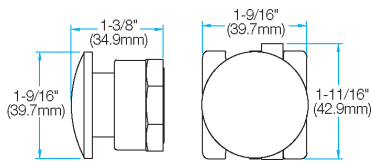
Momentary Guarded Extended Cap



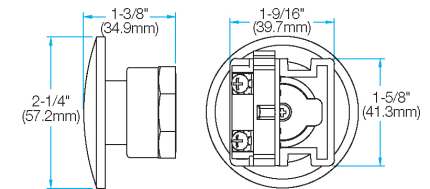
Momentary Standard Rubber Boot



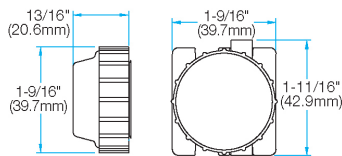
Momentary 1-1/2" (38mm) Mushroom Cap



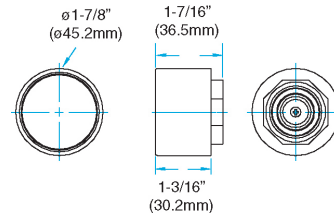
Momentary 2-1/4" (57.2mm) Jumbo Mushroom Cap



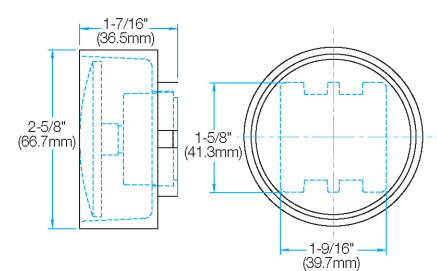
Momentary Fluorosilicone Rubber Boot



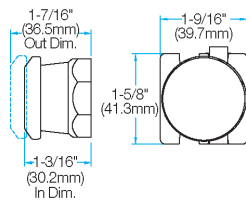
Momentary 1-1/2" (38mm) Shrouded Mushroom Cap



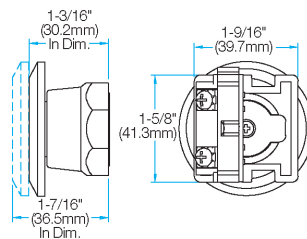
Momentary 2-1/4" (57.2mm) Shrouded Jumbo Mushroom Cap



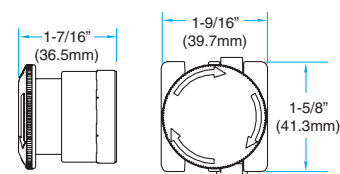
2-Position Push-Pull Maintained 1-1/2" (38mm) Mushroom Cap



2-Position Push-Pull Maintained 2-1/4" (57.2mm) Jumbo Mushroom Cap



2-Position Push-Twist Maintained 1-1/2" (38mm) Mushroom Cap



- General Information
- Circuit Protection
- Disconnect Switches
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- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C

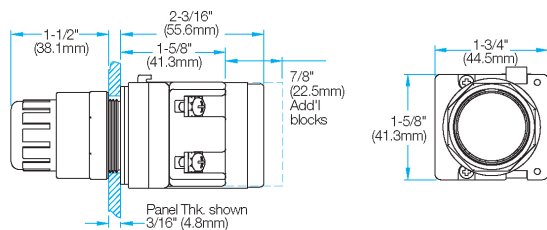
Pushbuttons and Pilot Lights

CSW30 Series (30mm)

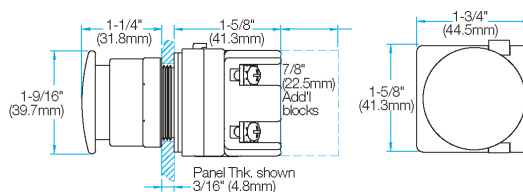
Momentary Illuminated Push Buttons

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

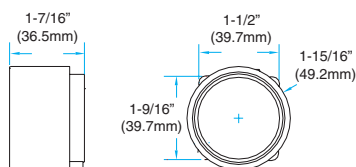
Illuminated Full Voltage, Resistor and Dual-Input Operators



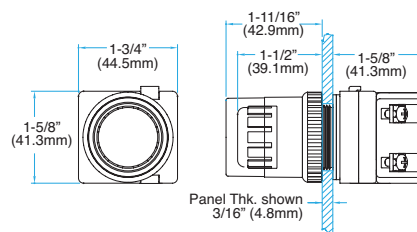
Illuminated Full Voltage Operators



Illuminated Shrouded Mushroom Lens



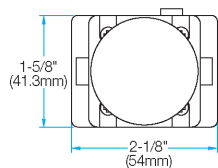
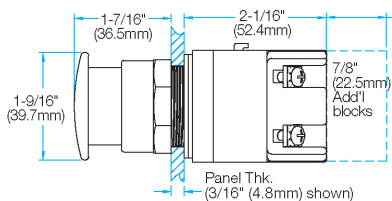
Illuminated Guarded Lens



2 & 3 Position Push-Pull Maintained Illuminated Push Buttons

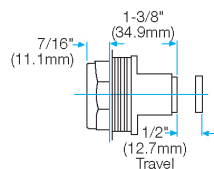
Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Illuminated Full Voltage Operator

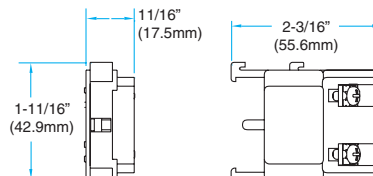


Reset Push Button

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.



Alternate Action Block



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Terminal Blocks

Power Factor Correction

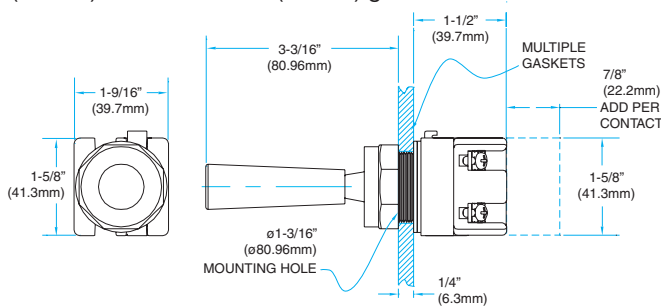
Appendix A

Appendix B

Appendix C

Wobble stick

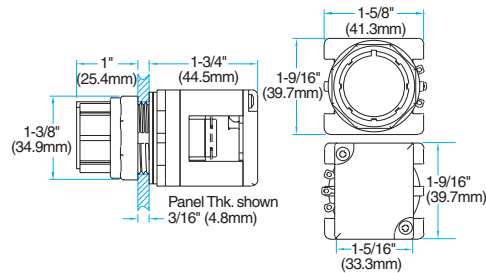
Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.



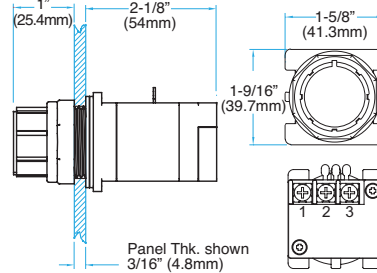
Potentiometer with & without Terminal Block

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Potentiometer Operator (shown without Terminal Block)

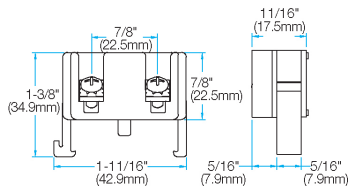


Potentiometer Operator (shown with Terminal Block)

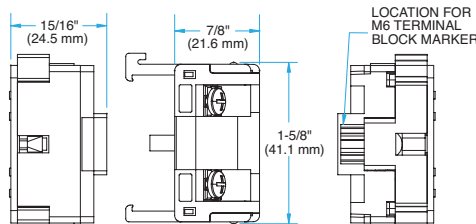


Contact Blocks

Contact Block



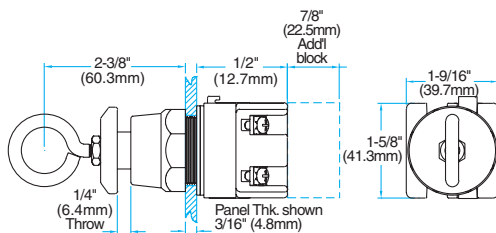
Contact Block (shown with IP20 Terminal Guard)



Cable Pull Operators

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Push-Pull Maintained Cable Pull Operator



Momentary and Heavy Duty Cable Pull Operators

Momentary Booted Cable Pull Operator

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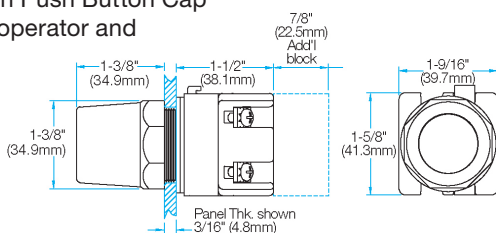
Pushbuttons and Pilot Lights

CSW30 Series (30mm)

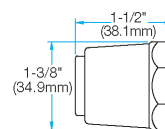
Maintained flush & extended push button caps

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Maintained Flush Push Button Cap
(shown with an operator and contact block)



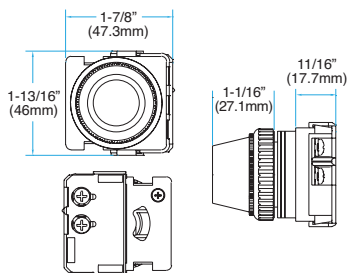
Maintained Extended Push Button Cap



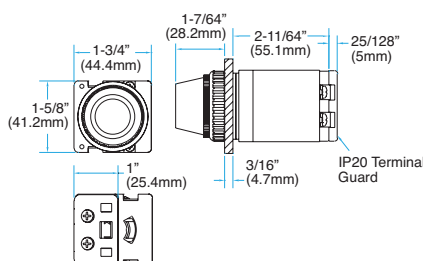
Pilot Lights

Fully-assembled operators come standard with one 3/16" (4.8mm) and two 1/16" (1.6mm) gaskets.

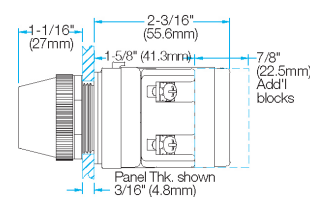
Full Voltage Pilot Light Operator



Resistor Pilot Light Operators



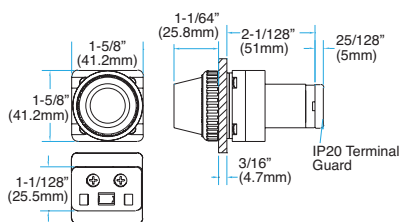
Dual Input Pilot Light Operator



Multi-Voltage Pilot Light

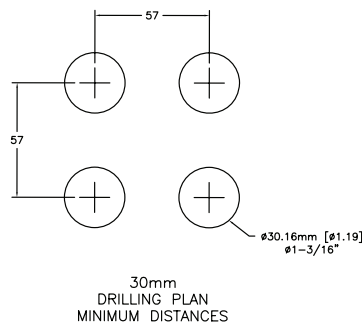
Fully-assembled operators come standard with four 1/16" (1.6mm) gaskets.

Multi-Voltage Pilot Light



Drilling

CSW30 Panel Cutout



General Information

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Disconnect Switches

Motor Protectors

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Enclosed Starters

Electronic Relays

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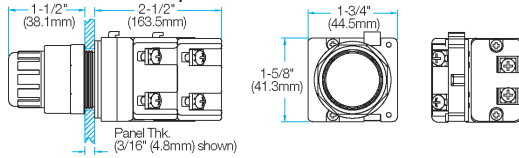
Appendix B

Appendix C

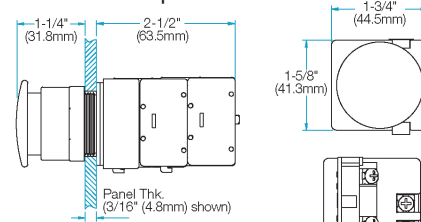
Push-To-Test Pilot Lights

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

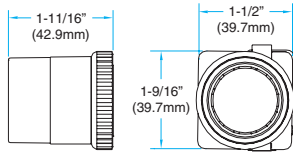
Full Voltage, Resistor Push-To-Test Operators



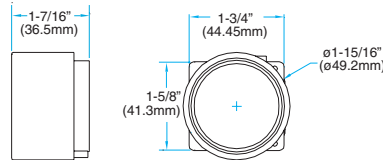
Full Voltage, Resistor Push-To-Test Operators



Guarded Lens



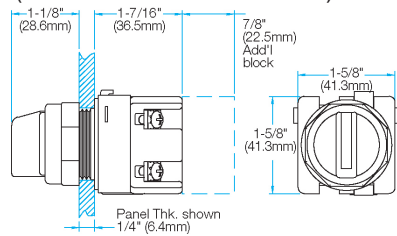
Shrouded Mushrooms Lens



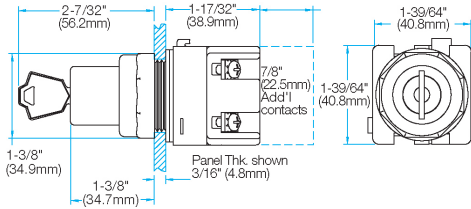
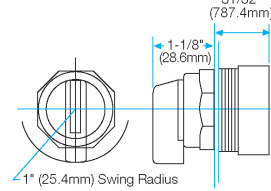
Selector switches

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

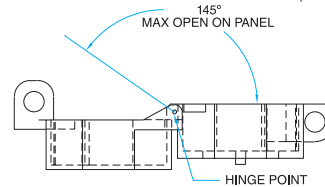
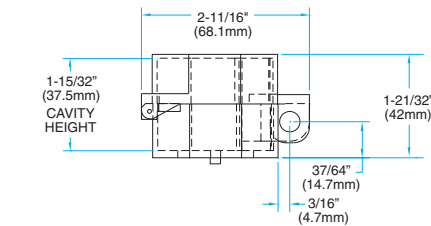
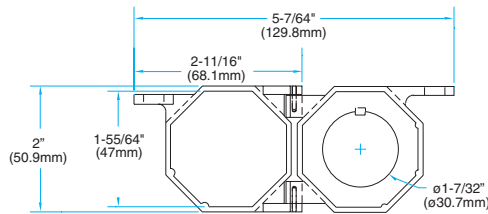
Selector Switch Operator (shown with standard handle)



Selector Switch Lever Handle



Lock-off attachment



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CSW30H Series (30mm) Hazardous Duty General Standards

WEG hazardous duty series CSW30H also offers a wide selection of operators and pilot devices for hazardous duty applications (Class 1, Division 2 and Zone 2). This series offers a wide selection of hermetically sealed reed and factory sealed contact blocks for superior corrosion resistance.

- NEMA 4, IP65 Rated
- Fits 1-13/64 (30.5mm) hole without notch required
- Contact blocks snap-in (fast & easy assembly)
- Up to 8 contact blocks for non-illuminated operators and up to 4 contact blocks for illuminated operators
- LED lamps with built-in leakage protection
- Same simple part numbering system as 22mm series

WEG Hazardous duty Pilot Devices are specially engineered for Class 1, Division 2 and Zone 2.

Wide selection of hermetically sealed reed and factory sealed contact block.

An all-polyester construction with nickel-plated or stainless steel metal parts for superior corrosion resistance.

Logic Reeds are hermetically sealed, Providing needed dependability for harsh environments.

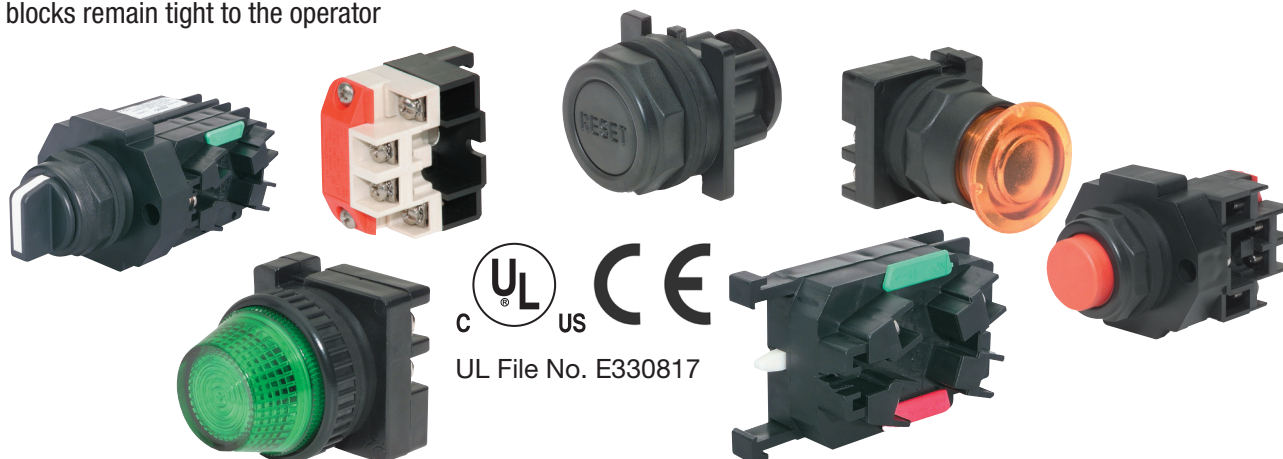
Logic Reeds provide great operation for low power level (resistive loads only), especially PLC inputs.

Added Security - Optional Features

Rubber Boots add an additional layer of protection from corrosive chemicals left behind from hands on operations or washdown environments.

Added Security - Standard Features

All Hazardous duty Push Buttons comes standard with a screw tightening mounting bracket to ensure the contact blocks remain tight to the operator



Pushbuttons

Types

- BF - Flush
- BS - Extended
- BC - Mushroom
- BGA - Recessed
- BGAI - Illuminated Recessed
- BSI - Illuminated Extended
- BCI - Illuminated Mushroom

CSW30H-


MULTIPLIER SYMBOL FOR CSW30H SERIES - Z55

Voltage (see Voltage Code)
Color (see Color Code)

NON-ILLUMINATED FLUSH

CSW30H - _

- BF0
- BF1
- BF2
- BF3
- BF4
- BF5




LIST PRICE \$31

NON-ILLUMINATED EXTENDED

CSW30H - _

- BS0
- BS1
- BS2
- BS3
- BS4
- BS5



LIST PRICE \$31

NON-ILLUMINATED MUSHROOM (40mm HEAD)

CSW30H - _

- BC1
- BC2
- BC5



LIST PRICE \$42

NON-ILLUMINATED RECESSED

CSW30H - _

- BGA0
- BGA1
- BGA2
- BGA3
- BGA4
- BGA5



LIST PRICE \$37

Notes:

- * Illuminated operators are supplied with LED block. To complete selection, replace "*" with desired voltage code: E26 (24 VAC/VDC), D61 (120 VAC/VDC), or D66 (240 VAC/VDC). See LED Block Voltage table below.
- Contact block ordered separately. See page 371.

ILLUMINATED EXTENDED

CSW30H - _ *

- BSI0
- BSI1
- BSI2
- BSI3
- BSI4



LIST PRICE \$110

ILLUMINATED MUSHROOM (40mm HEAD)

CSW30H - _ *

- BCI0
- BCI1
- BCI2
- BCI3
- BCI4




LIST PRICE \$120

ILLUMINATED RECESSED

CSW30H - _ *

- BGAI0
- BGAI1
- BGAI2
- BGAI3
- BGAI4



LIST PRICE \$115

Emergency-Stop Pushbuttons

CSW30H-

Types


- G - Twist release
- P - Pull release

CSW30H-

Voltage (see Voltage Code)
Color (see Color Code)

E-STOP - TWIST RELEASE


- BEG
- BEG2



LIST PRICE \$86

E-STOP - PUSH PULL

- BEP
- BEP2



LIST PRICE \$80

PILOT LIGHTS

CSW30H - _ *

- SD0
- SD1
- SD2
- SD3
- SD4



LIST PRICE \$107

Code Chart

Color	Clear/White	Red	Green	Yellow	Blue	Black
Code	0	1	2	3	4	5
Symbol	○	●	●	●	●	●

LED Block Voltage	
E26	24Vac/Vdc
D61	120Vac/Vdc
D66	240Vac/Vdc

Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty

Selector Switches

Types
CK - Knob
CA - Lever

CSW30H-

No. of Positions
2 - Two positions
3 - Three positions

Angle
45 - 45°
90 - 90°

Handle
F - Maintained
R - Spring return
RE - Spring return from left
RD - Spring return from right

Knob	Lever	Position	Diagram
 LIST PRICE Maintained \$44 Spring Return \$62	 LIST PRICE Maintained \$44 Spring Return \$62		
CSW30H-CK2F90	CSW30H-CA2F90	I ∨ II	1
CSW30H-CK2R90	CSW30H-CA2R90	I ∨ II	1
CSW30H-CK3F45	CSW30H-CA3F45	I ∨ ⁰ II	2 & 3
CSW30H-CK3R45	CSW30H-CA3R45	I ∨ ⁰ II	2 & 3
CSW30H-CK3RE45	CSW30H-CA3RE45	I ∨ ⁰ II	2 & 3
CSW30H-CK3RD45	CSW30H-CA3RD45	I ∨ ⁰ II	2 & 3

Note: Contact blocks ordered separately. See page 371.

Clamp Rings

Catalog Number	Pushbutton and Pilot light type	List Price	Multiplier
CSW30-FCR	Flush (PB)	\$15	Z55
CSW30-ECR	Extended (PB)	\$15	
CSW30-PLCR	Pilot Light	\$15	

DIAGRAM 1 - Hermetically & Factory Sealed Block

HANDLE POSITION		Auxiliary Contact	Mounting Position
I	II		
0	X	NO	Either
X	0	NC	Either
0	X	NO & NC	Either
X	0		

DIAGRAM 2 - Factory Sealed Block

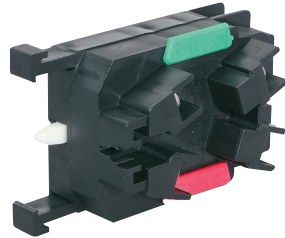
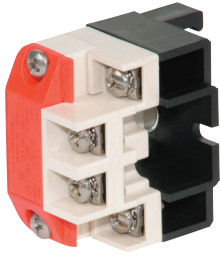
HANDLE POSITION			Auxiliary Contact	Mounting Position
I	0	II		
X	0	0	NO & NC	Left
0	X	0		
0	0	X	NO & NC	Right
0	X	0		

DIAGRAM 3 - Hermetically Sealed Block

HANDLE POSITION			Auxiliary Contact	Mounting Position
I	0	II		
X	0	0	NO	Left
0	0	X	NO	Right
0	X	X	NC	Left
X	X	0	NC	Right
X	0	X	2NO	wired in parallel
0	X	0	2NC	wired in series
X	0	X	early make	Either
0	X	X	late break	Left
X	X	0	late break	Right

X = CLOSED
 0 = OPEN

Factory Sealed / Hermetically Sealed Contact Blocks



Auxiliary Contact Blocks - Factory Sealed (720VA) Product Description	Catalog Number	List Price	Multiplier
Linear devices - 1NO & 1NC	BC11FS-CSW30H	\$120	Z55
For rotary devices only - 1NO & 1NC	BC11FSR-CSW30H		
Auxiliary Contact Blocks - Hermetically Sealed (360VA inductive) Product Description			
Power reed - 1NO	BC10PR-CSW30H	\$95	Z55
Power reed - 1NC	BC01PR-CSW30H		
Power reed - 2NO	BC20PR-CSW30H	\$150	
Power reed - 2NC	BC02PR-CSW30H		
Power reed - 1NO & 1NC	BC11PR-CSW30H		
Auxiliary Contact Blocks - Hermetically Sealed (180VA inductive) Product Description			
Mid-power reed - 1NO	BC10MP-CSW30H	\$75	Z55
Mid-power reed - 1NC	BC01MP-CSW30H		
Mid-power reed - 2NO	BC20MP-CSW30H	\$130	
Mid-power reed - 2NC	BC02MP-CSW30H		
Mid-power reed - 1NO & 1NC	BC11MP-CSW30H		
Auxiliary Contact Blocks - Hermetically Sealed (40VA inductive / 100W resistive) Product Description			
Mid-logic reed - 1NO	BC10ML-CSW30H	\$45	Z55
Mid-logic reed - 1NC	BC01ML-CSW30H		
Mid-logic reed - 2NO	BC20ML-CSW30H	\$70	
Mid-logic reed - 2NC	BC02ML-CSW30H		
Mid-logic reed - 1NO & 1NC	BC11ML-CSW30H		
Auxiliary Contact Blocks - Hermetically Sealed (40W resistive) Product Description			
Logic reed - 1NO	BC10LR-CSW30H	\$28	Z55
Logic reed - 1NC	BC01LR-CSW30H		

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- Contactors
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- Enclosed Starters
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- Terminal Blocks
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Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty Technical Data

FACTORY SEALED: Contact Blocks are Certified as "Explosion Proof". Devices employing this method of protection are designed so that all electrical parts are enclosed in a switch housing that is capable of withstanding, without damage, an explosion of a specified gas or vapor/air mixture which may occur during the operation of the switch. Further, the explosion internal to the switch body is controlled so that the hot gases are extinguished and cooled before they are allowed to escape to the surrounding atmosphere.

HERMETICALLY SEALED: Contact Blocks are Certified as "Non-Incendive". Devices employing this method of protection are designed so that all electrical parts are a bonded part of the switch housing that forms an arcing chamber that is evacuated of all oxygen, filled with an inert gas, and then sealed to prohibit the exchange of gases with the surrounding environment. These devices are incapable of igniting the surrounding gases or vapor/air mixtures under normal operation. Devices of this type are suitable for use in Div. 2/ Zone 2 applications. Hermetically Sealed contact blocks are also extremely useful for switching low energy circuits or circuits applied in atmospheres containing oxidizing agents and pollutants that might effect the performance of silver switching and metal contact elements. Hermetically Sealed Switch performance is consistent and repeatable in almost any environment.

DIELECTRIC STRENGTH (MECHANICAL CONTACTS) 2200V for 1 Minute

Factory Sealed Contact Block					
Class I Div. 2 Gr. B,C, & D / Zone 2 Gr. IIB +H2					
	Utilization Category		Make Rating	Break Rating	Ith-Thermal Current
	IEC	UL			
AC	AC-15	A600	7200VA	720VA	10A
DC	DC-13	Q300	69VA	69VA	2.5A

*NOTE: For AC voltage below 72V AC the max. allowed switching current is 10A = Ith.
For DC voltages below 28V DC the max. allowed switching current is 2.5A = Ith.
For switching applications below 24V/40mA, Hermetic REED contacts are recommended.*

Hermetically Sealed Mid-Power Reed Contact Block					
Class I Div. 2 Gr. A, B, C, & D/Zone 2 Gr. IIC					
	Utilization Category		Make Rating	Break Rating	Ith-Thermal Current
	IEC	UL			
AC	AC-15	C300	1800VA	180VA	2.5A
DC	DC-13	Q150	69VA	69VA	2.5A

*NOTE: For AC voltage below 72VAC the max. allowed switching current is 2.5A = Ith.
For DC voltages below 28VDC the max. allowed switching current is 2.5A = Ith.
Suitable for switching DRY Circuits and Low Energy Circuits (Less than 24V-40mA).*

Hermetically Sealed Power Reed Contact Block					
Class I Div. 2 Gr. A, B, C, & D/Zone 2 Gr. IIC					
	Utilization Category		Make Rating	Break Rating	Ith-Thermal Current
	IEC	UL			
AC	AC-15	B300	3600VA	360VA	5A
	AC-15	C600	1800VA	180V	2.5A
DC	DC-13	Q300	69VA	69VA	2.5A

*NOTE: For AC voltage below 72V AC the max. allowed switching current is 5A = Ith.
For DC voltages below 28V DC the max. allowed switching current is 2.5A = Ith.
Suitable for switching DRY Circuits and Low Energy Circuits (Less than 24V-40mA).*

Hermetically Sealed logic reed Contact Block					
Class I Div. 2 Gr. A, B, C, & D/Zone 2 Gr. IIC					
	Utilization Category		Inductive	Resistive	Ith-Thermal Current
	IEC	UL			
AC		220V Max.	N/A	40 Watt	2A

Suitable for switching DRY Circuits and Low Energy Circuits (Less than 24V-40mA).

Hermetically Sealed mid-logic reed Contact Block					
Class I Div. 2 Gr. A, B, C, & D/Zone 2 Gr. IIC					
	Utilization Category		Inductive	Resistive	Ith-Thermal Current
	IEC	UL			
AC	AC-12	250V Max.	40VA	100 Watt	3A

Suitable for switching DRY Circuits and Low Energy Circuits (Less than 24V-40mA).

Indicating Lights	
Light Unit	T-Code
FV Incandescent Lights	T4A
FV LED Lights	T6 [No marking required]
Resistor Lights	T3C
Light Unit	T-Code
Resistor LED Lights	T6
Transformer Lights Incd. & LED	T4A
Multi-Voltage 20V-240V LED Light	T4A

Materials	
Thermoplastic Polyester and Polyester Blends (UV Stabilized for outdoor use)	Seals
Operator Housings	Neoprene Gaskets
Operator Caps and Handles –	Thermoplastic – Molded Neoprene and alloy derivatives
Non-Illuminated (Glass Reinforced Grades)	BUNA N – Rubber – Teflon Coated
Mounting Rings and Nuts	Thermoplastic – Elastomer Molded Seals
Thrust Washer	Fluorosilicone – Boots
Trim Washer	Metal: Stainless Steel
High Impact Polycarbonate (UV Stabilized for outdoor use)	Push Pull Bushings
Pilot Light Lens	Internal tubes for Maintained Devices
Transparent PB and Mushroom Caps	Detents for Maintained Devices
Custom Polymers	Stainless Steel Springs and Screws throughout
Certain CAM and Bearing parts are Teflon, Silicone, & Moly-Disulfide Impregnated for improved wearability	Aluminum
Fluorosilicone and Thermoplastic	Optional Mounting Nut
Neoprene Boot Accessories	

Environmental Ratings	
Type 1, 2, 3, 3R, 4/4X, 12, 13, and IP65	
Operating Temperature	
-40 to +131° F (-40 to +55° C)	
Storage Temperature	
-40 to +185° F (-40 to +85° C)	
Operating environments below freezing temperatures are assumed to be absent of freezing liquids or pollutants.	

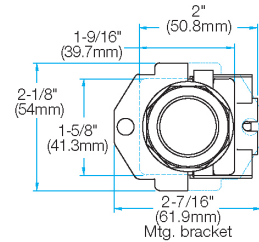
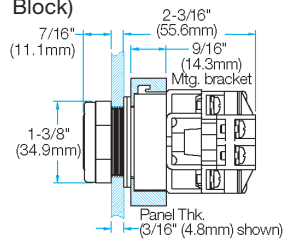
Terminal & Wiring Consideration	
Wire- AWG 22-12 CU	
(Copper Only – Solid & Stranded) [.5 ~ 4 mm2]	
One or Two wires permitted per termination	
Recommended Tightening Torque	
7 lb-in (+3.0/-0.0 lb-in) — [.8 Nm]	

Momentary Non-Illuminated H-Line Push Buttons

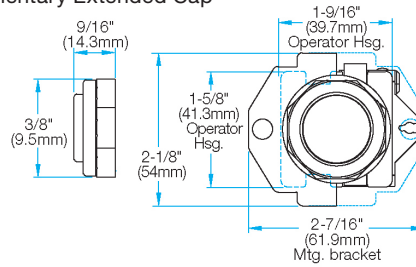
Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Non-Illuminated Operator

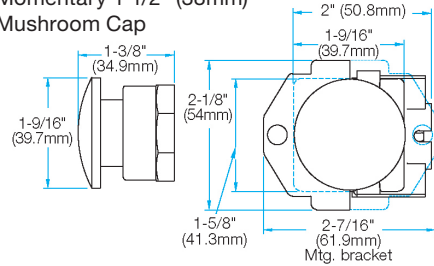
(shown with Flush Cap & Factory Sealed Contact Block)



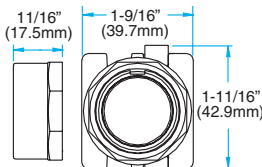
Momentary Extended Cap



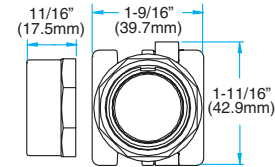
Momentary 1-1/2" (38mm) Mushroom Cap



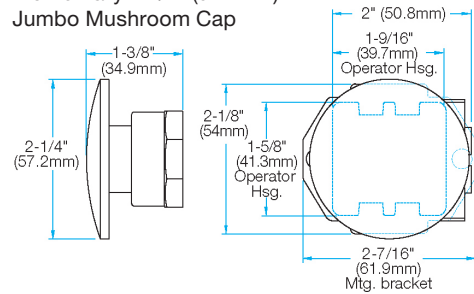
Momentary Guarded Flush Cap



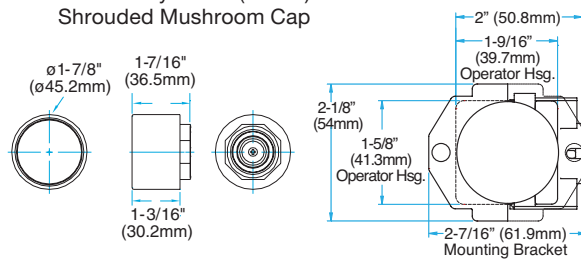
Momentary Guarded Extended Cap



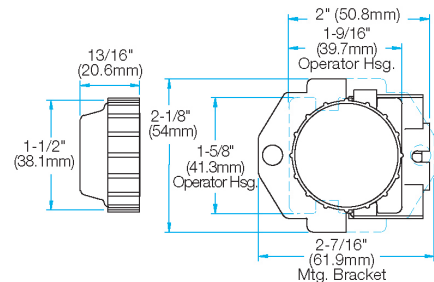
Momentary 2-1/4" (57.2mm) Jumbo Mushroom Cap



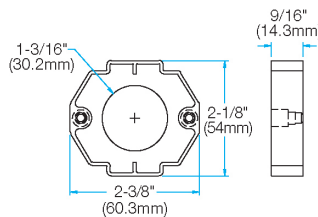
Momentary 1-1/2" (38mm) Shrouded Mushroom Cap



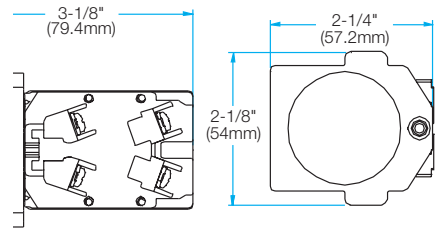
Momentary Fluorosilicone Rubber Boot



Non-Illuminated Push Button Mounting Bracket



Momentary 2-1/4" (57.2mm) Shrouded Jumbo Mushroom Cap



I Thk.
" (4.8mm) shown

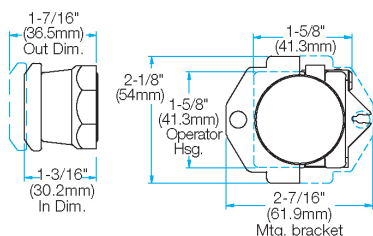
Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty

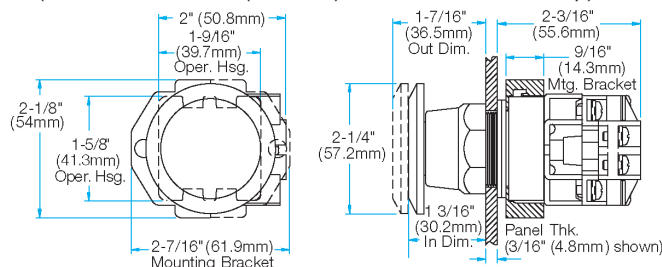
Maintained non-Illuminated H-Line Push Buttons

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

2-Position Push-Pull Maintained
1-1/2" (38mm) Mushroom Cap



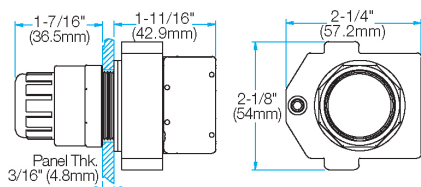
2-Position Push-Pull Maintained Operator
(shown with 2-1/4" (57.2mm) Jumbo Mushroom Cap)



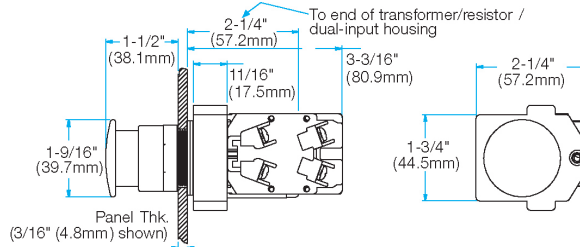
Momentary Illuminated H-Line Push Buttons

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

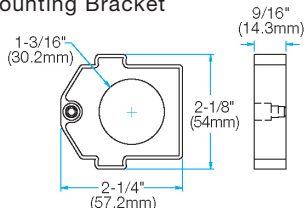
Illuminated Full Voltage Operator



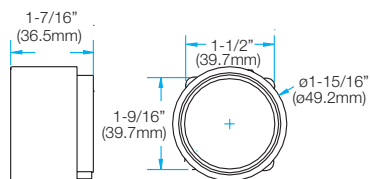
Illuminated Transformer, Resistor
and Dual Input Operators



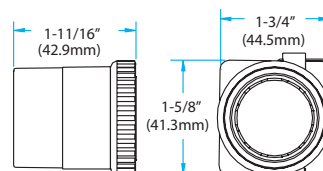
Illuminated Push Button
Mounting Bracket



Illuminated Shrouded
Mushroom Lens



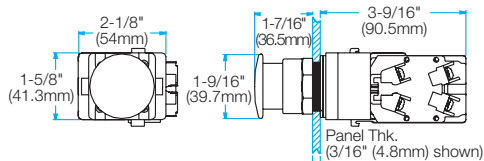
Illuminated Guarded Lens



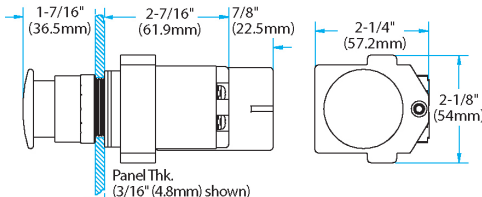
2-Position Push-Pull Maintained Illuminated H-Line Push Buttons

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Illuminated Full Voltage Operator



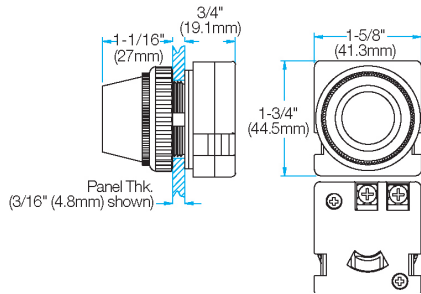
Illuminated Transformer and Resistor
Operators



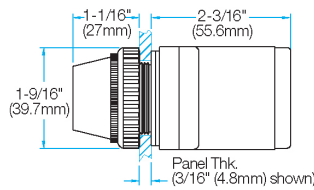
H-Line Pilot Lights

Fully-assembled operators come standard with one 3/16" (4.8mm) and two 1/16" (1.6mm) gaskets.

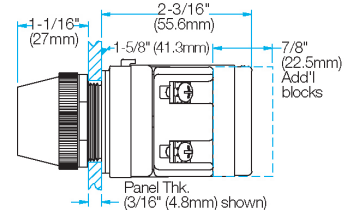
Full Voltage Pilot Light Operator



Transformer & Resistor Pilot Light Operators



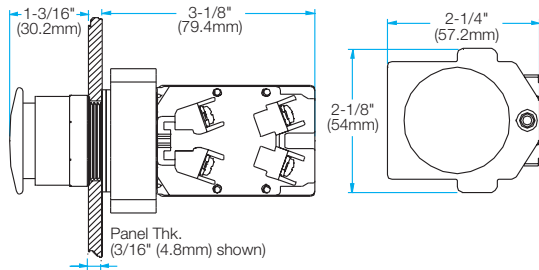
Dual Input Pilot Light Operator



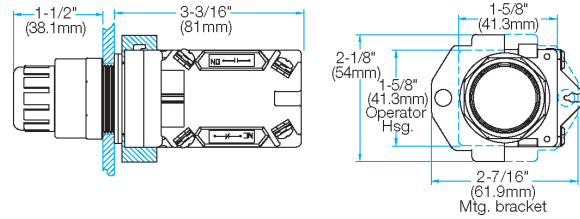
Push-To-Test H-Line Pilot Lights

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

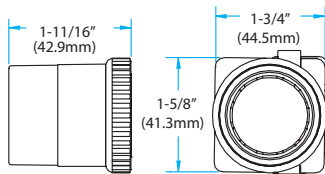
Full Voltage Push-To-Test Operator



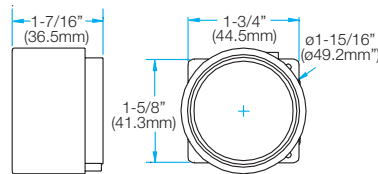
Transformer & Resistor Push-To-Test Operators



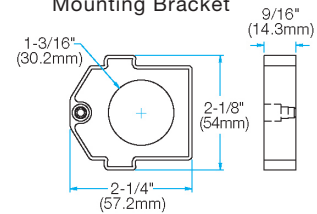
Guarded Lens



Shrouded Mushroom Lens



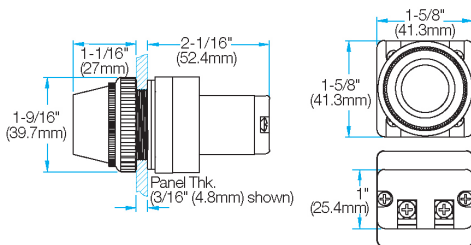
Illuminated Push-To-Test Mounting Bracket



Multi-Voltage H-Line Pilot Light

Fully-assembled operators come standard with four 1/16" (1.6mm) gaskets.

Multi-Voltage Pilot Light



General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Electronic Relays

Pushbuttons and Pilot and Lights

Terminal Blocks

Power Factor Correction

Appendix A

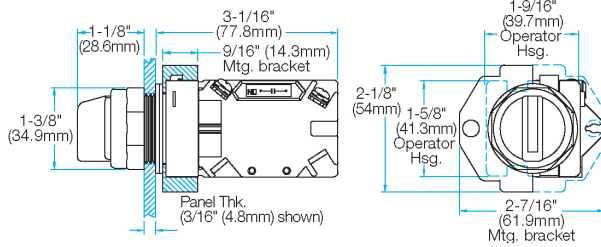
Appendix B

Appendix C

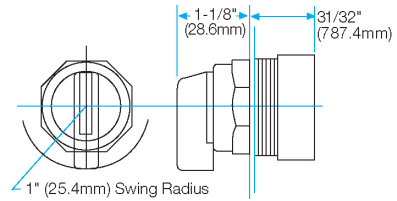
H-line Selector Switches

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

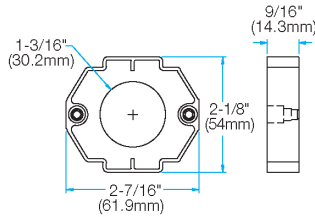
Selector Switch Operator (shown with standard handle)



Selector Switch Lever Handle

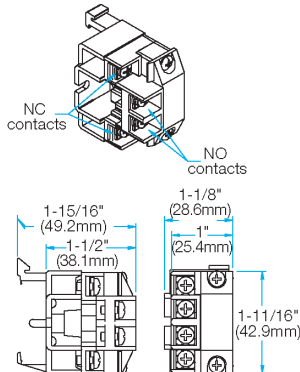


Selector Switch Mounting Bracket

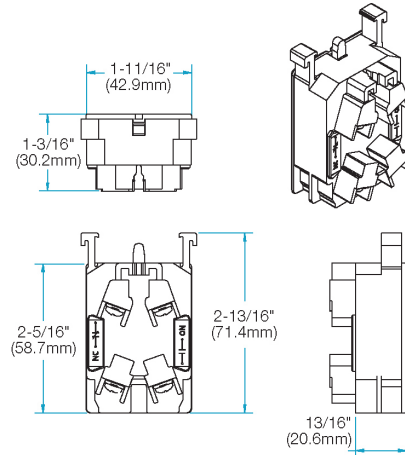


H-line contact blocks

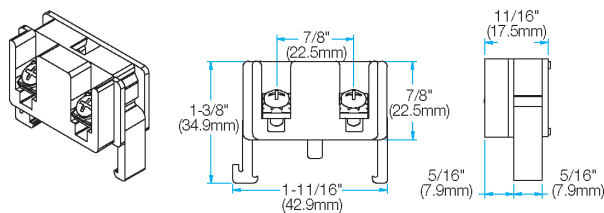
Factory Sealed Contact Block



Power Reed, Mid-Power Reed & Medium Logic Reed Contact Blocks

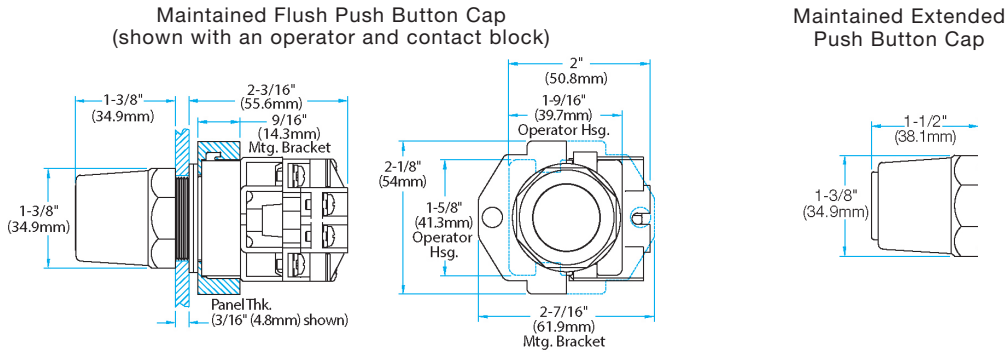


Logic Reed Contact Block



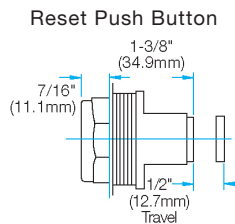
Maintained Flush & Extended h-line Push Button Caps

Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

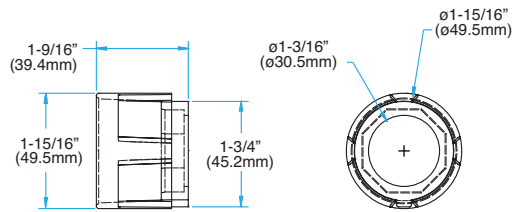


H-line Reset Push Button

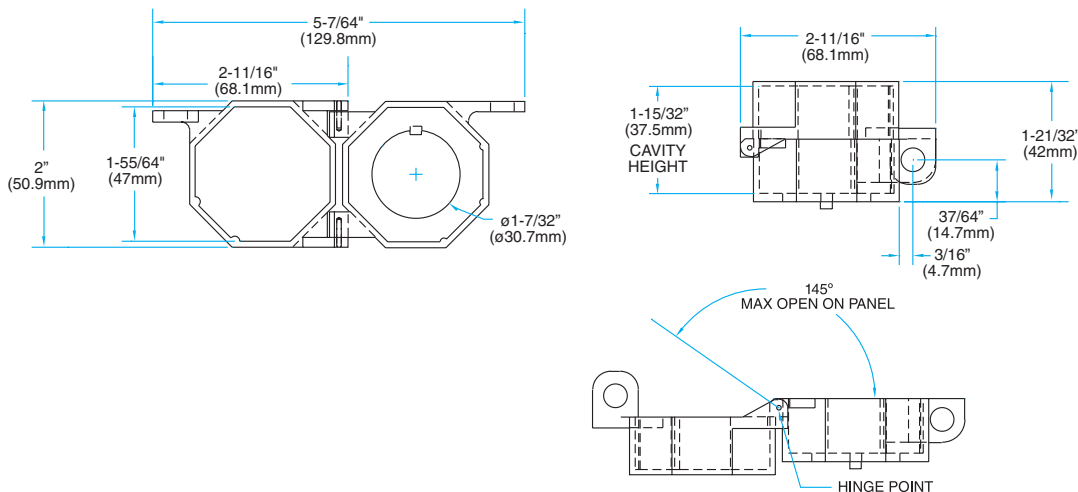
Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.



Guard Attachment



Lock-off attachment



- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Electronic Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B
- Appendix C