

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.



UL File No. E330817

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

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

Pushbuttons

Types

- BF - Flush
- BS - Extended
- BC - Mushroom
- BGA - Recessed
- BGA1 - Illuminated Recessed
- BS1 - Illuminated Extended
- BC1 - 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 operators are supplied with LED block. To complete selection, replace "*" with desired voltage: E26 (24Vac/Vdc), D61 (120Vac/Vdc) or D66 (240Vac/Vdc).

ILLUMINATED EXTENDED

CSW30 - _ *

- BS10
- BS11
- BS12
- BS13
- BS14

LIST PRICE
\$93

ILLUMINATED MUSHROOM (40mm HEAD)

CSW30 - _ *

- BC10
- BC11
- BC12
- BC13
- BC14

LIST PRICE
\$100

ILLUMINATED RECESSED

CSW30 - _ *

- BGA10
- BGA11
- BGA12
- BGA13
- BGA14

LIST PRICE
\$100

Emergency-Stop Pushbuttons

Types

- G - Twist release

CSW-

E-STOP - TWIST RELEASE	E-STOP - PUSH PULL
<ul style="list-style-type: none"> <input checked="" type="radio"/> CSW30-BEG <input checked="" type="radio"/> CSW30-BEG2 <p style="text-align: right;">LIST PRICE \$81</p>	<ul style="list-style-type: none"> <input checked="" type="radio"/> CSW30-BEP <input checked="" type="radio"/> CSW-30-BEP2 <p style="text-align: right;">LIST PRICE \$75</p>

Note: Contact blocks ordered separately. See page 313.

Pilot Lights

CSW30-

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

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	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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

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

Pushbuttons and Pilot Lights

CSW Series (30mm)

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
 LIST PRICE Maintained \$39 Spring Return \$57	 LIST PRICE Maintained \$39 Spring Return \$57	 LIST PRICE Maintained \$110 Spring Return \$128		
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

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

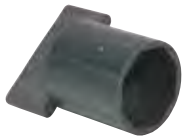
LIST PRICE
\$17



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

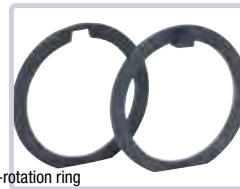
NEMA 4X rated plug to seal up unwanted panel holes.

THRUST AND TRIM WASHER

CSW30-TTW

LIST PRICE

\$4



Anti-rotation ring

GUARD & LOCK-OFF ATTACHMENT



Reference	WEG P/N	Description	List
1	CSW30-GAPB	30MM GUARD ATTACHMENT FOR MAINTAINED PUSH BUTTONS	\$40
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

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Terminal Blocks

Power Factor Correction

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Pushbuttons and Pilot Lights

CSW Series (30mm)

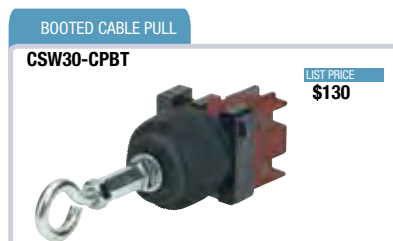
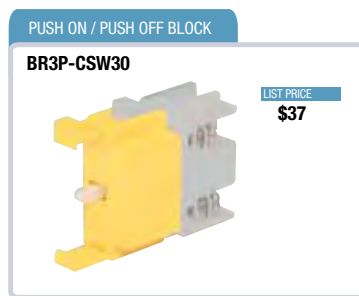
Special Operators



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



Note: Plunger included as standard.



LED Bulbs



Catalog Number	Description	List Price
CSW30-BIDL3E26	Yellow 24vac/24vdc	\$28
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
CSW30-BIDL4D61	Blue 120vac/120vdc	\$28
CSW30-BIDL2D61	Green 120vac/120vdc	\$28
CSW30-BIDL1D61	Red 120vac/120vdc	\$28
CSW30-BIDL0D61	White 120vac/120vdc	\$28

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

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Engraved Legend Plates

Catalog Number	Marking	Description	List Price Package with 1 unit
For Pushbuttons & Indicating Lights			
APP30S-01	Close	30mm Legend Plate & Holder - Close	\$6
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
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

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CSW Series (30mm)

Engraved Legend Plates

Catalog Number	Marking	Description	List Price Package with 1 unit
For two-position Selector Switch			
APP30S-111	Auto - Manual	30mm Legend Plate & Holder - Auto Manual	\$6
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
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
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
APP30S-P01	0 - 10	30mm Legend Plate & Holder - (Blank 1 - 10)	\$6
APP30S-P02	Speed 0 - 10	30mm Legend Plate & Holder - (Speed 1 - 10)	\$6
APP30S-P03	Speed 0 - 100	30mm Legend Plate & Holder - (Speed 1 - 100)	\$6

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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 mcd	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	Utilization Category	IEC	UL	Make Rating	Break Rating	lth-Thermal Current
	AC	AC-15	A600	7200VA	720VA	10A
	DC	DC-13	P300	138VA	138VA	5A

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) Operator Housings Operator Caps and Handles - Non-illuminated (Glass Reinforced Grades) Mounting Rings and Nuts Thrust Washer Trim Washer	Pushbuttons (Operator Only)
Storage Temperature -40 to +185° F (-40 to +85° C)		Momentary 1.3 lbs. [5.8N]
Operating environments below freezing temperatures are assumed to be absent of freezing liquids or pollutants.		Illuminated Momentary 2.8 lbs. [12.4N]
		Maintained 4 to 6 lbs [17.9~26.7 N]
		Illuminated Maintained 4.6 lbs. [20.5 N]
Terminal & Wiring Consideration	High Impact Polycarbonate (UV Stabilized for outdoor use)	Reset Push Button 1.5 lbs. [6.7 N]
Wire - AWG 22-12 CU (Copper Only - Solid & Stranded [.5-4 mm²] One or Two wires permitted per termination	Pilot Light Lens	Selector Switches
Recommended Tightening Torque 7 lb-in (+3.0/-0.0 lb-in - [.8 Nm])	Transparent Pushbutton and Mushroom Caps	Maintained 1.7 in-lbs [.19 Nm]
	Custom Polymers	Momentary 1.7 in-lbs [.19 Nm]
	Certain CAM and Bearing parts are Teflon, Silicone, & Moly-Disulfide Impregnated for improved wearability	Key Operated 1.7 in-lbs [.19 Nm]
Mechanical Design Life Cycles	Fluorosilicone and Thermoplastic Neoprene Boot Accessories	Cable Pull
Push Buttons	Seals	Standard 4 to 6 lbs [17.9~26.7 N]
Momentary 5,000,000	Neoprene Gaskets	Heavy Duty 13 lbs. [57.8 N]
Maintained 250,000	Thermoplastic - Molded Neoprene and alloy derivatives	Push-Twist Release 4.7 lbs [20.9 N]
Selector Switches 500,000	BUNA N - Rubber - Teflon Coated	Potentiometer
All Other Devices 250,000	Thermoplastic - Elastomer Molded Seals	2 Watt "J" Series 3-12 in-oz [.11 Nm Max.] (300° Rotation)
Standard Contact Blocks 10,000,000	Fluorosilicone - Boots	Standard Contact Blocks 1 lb. [4.45 N]
Indicating Lights - Refer to the appropriate Lamp Data	Metal: Brass & Stainless Steel	Indicating Lights Refer to the appropriate Lamp Data
	Push Pull Bushings	Multi-Voltage Light 20-140 VAC/VDC (Burden .65W max.)
	Internal tubes for Maintained Devices	Transformer 2 VA
	Detents for Maintained Devices	
	Springs (Stainless Steel throughout)	
	Aluminum	
	Optional Mounting Nut	

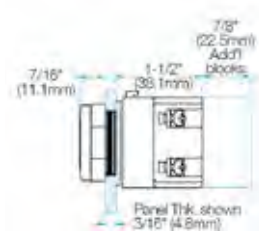
Pushbuttons and Pilot Lights

CSW Series (30mm)

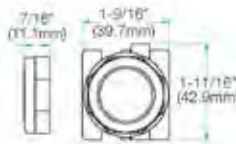
Momentary & Maintained Non-Illuminated Push Buttons

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

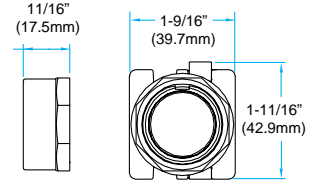
Non-Illuminated Operator
(shown with Flush Cap)



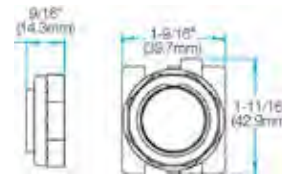
Momentary Flush Cap



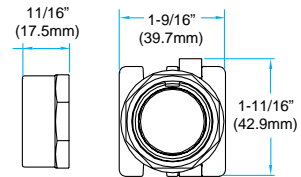
Momentary Guarded Flush Cap



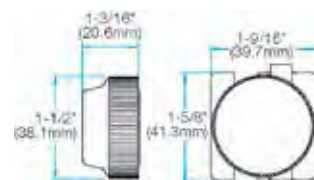
Momentary Extended Cap



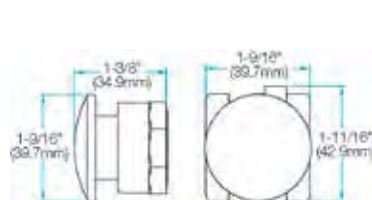
Momentary Guarded Extended Cap



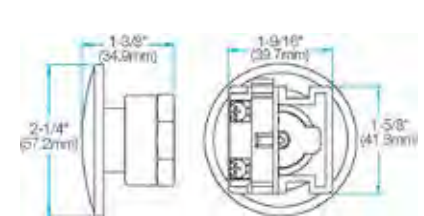
Momentary Standard Rubber Boot



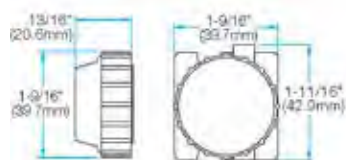
Momentary 1-1/2" (38mm) Mushroom Cap



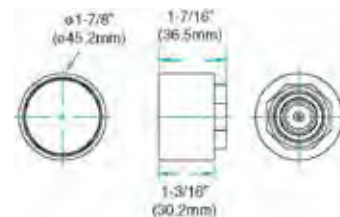
Momentary 2-1/4" (57.2mm) Jumbo Mushroom Cap



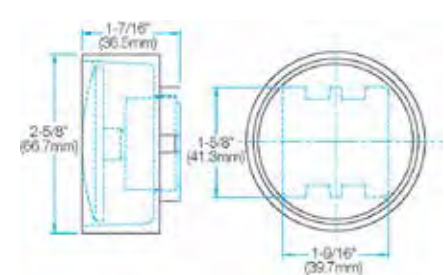
Momentary Fluorosilicone Rubber Boot



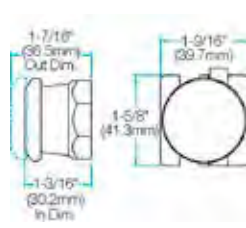
Momentary 1-1/2" (38mm) Shrouded Mushroom Cap



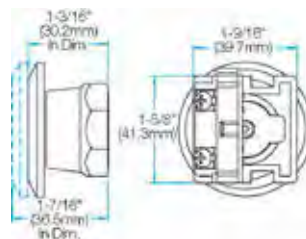
Momentary 2-1/4" (57.2mm) Shrouded Jumbo Mushroom Cap



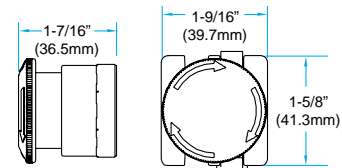
2-Position Push-Pull Maintained 1-1/2" (38mm) Mushroom Cap



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

Motor Protectors

Contactors

Overloads

Enclosed Starters

Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

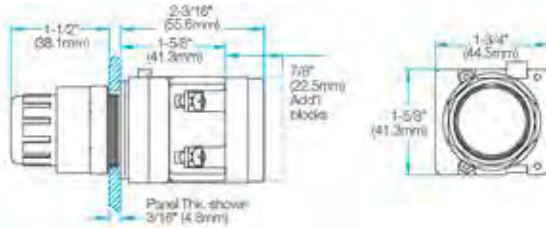
Appendix A

Appendix B

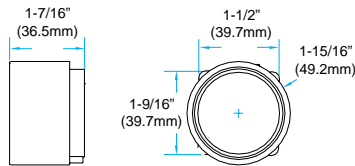
Momentary Illuminated Push Buttons

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

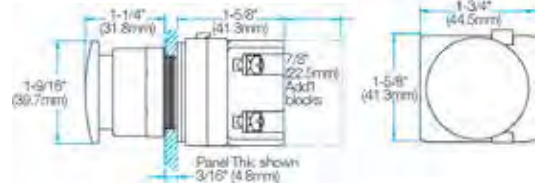
Illuminated Full Voltage, Resistor and Dual-Input Operators



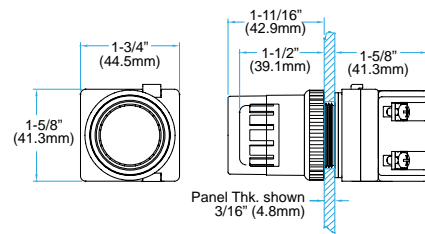
Illuminated Shrouded Mushroom Lens



Illuminated Full Voltage Operators



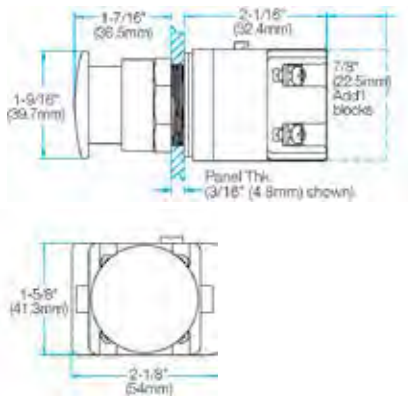
Illuminated Guarded Lens



2 & 3 Position Push-Pull Maintained Illuminated Push Buttons

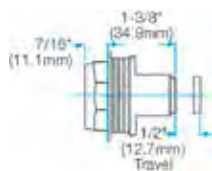
Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.

Illuminated Full Voltage Operator

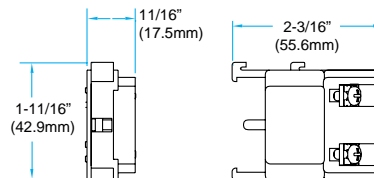


Reset Push Button

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



Alternate Action Block



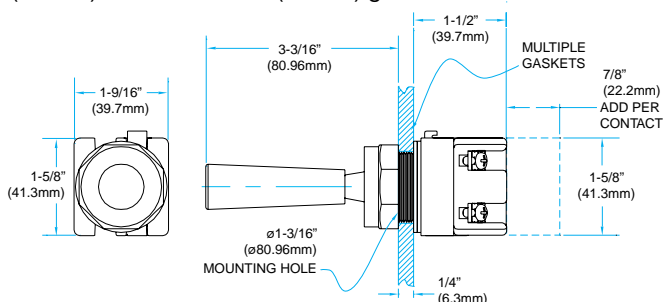
- General Information
- Circuit Protection
- Disconnect Switches
- Motor Protectors
- Contactors
- Overloads
- Enclosed Starters
- Relays
- Pushbuttons and Pilot Lights
- Terminal Blocks
- Power Factor Correction
- Appendix A
- Appendix B

Pushbuttons and Pilot Lights

CSW Series (30mm)

Wobble stick

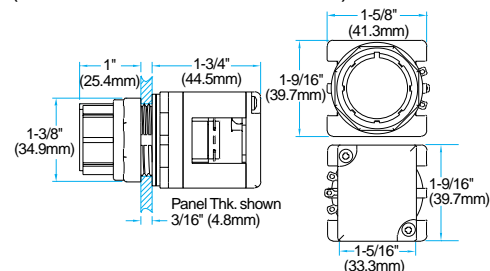
Fully-assembled operators come standard with one 3/16" (4.8mm) and three 1/16" (1.6mm) gaskets.



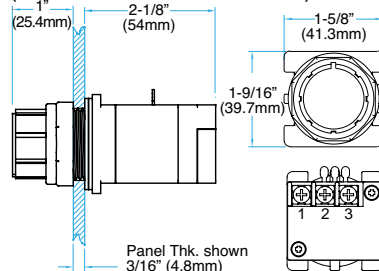
Potentiometer with & without Terminal Block

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

Potentiometer Operator (shown without Terminal Block)

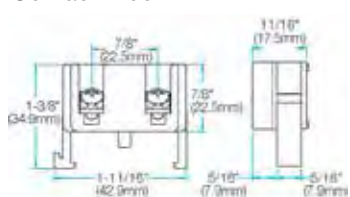


Potentiometer Operator (shown with Terminal Block)

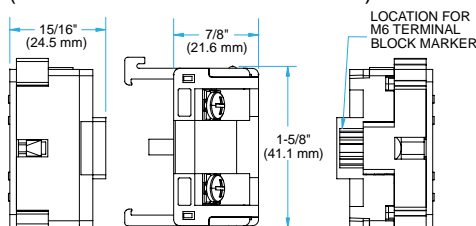


Contact Blocks

Contact Block



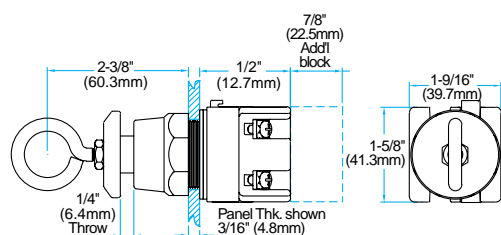
Contact Block (shown with IP20 Terminal Guard)



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

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

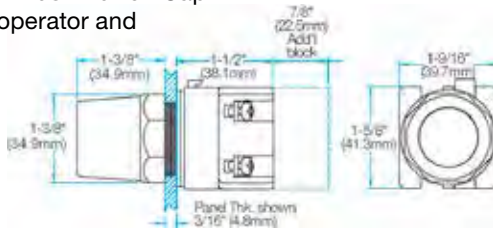
Appendix A

Appendix B

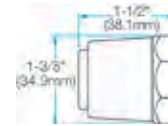
Maintained flush & extended push button caps

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)



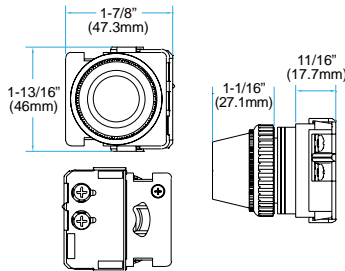
Maintained Extended Push Button Cap



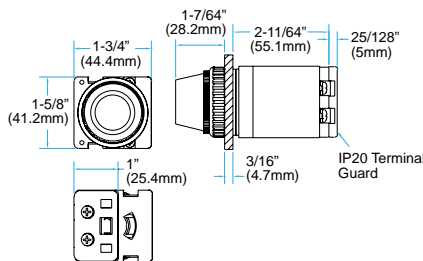
Pilot Lights

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

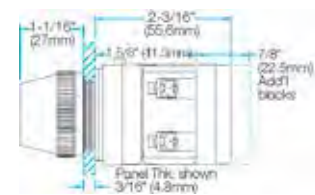
Full Voltage Pilot Light Operator



Resistor Pilot Light Operators



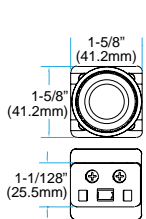
Dual Input Pilot Light Operator



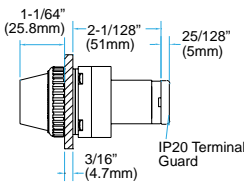
Multi-Voltage Pilot Light

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

Multi-Voltage



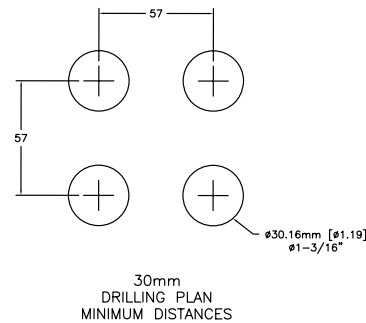
Pilot



Light

Drilling

CSW30 Panel Cutout



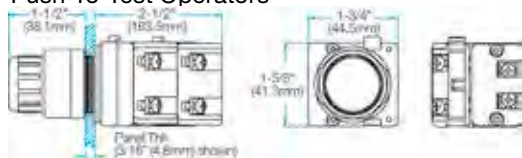
Pushbuttons and Pilot Lights

CSW Series (30mm)

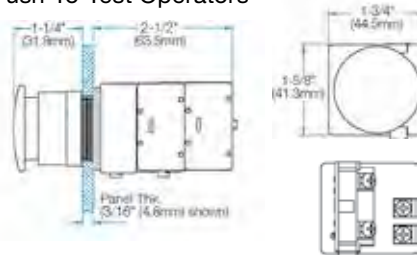
Push-To-Test Pilot Lights

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

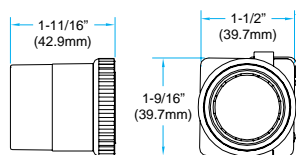
Full Voltage, Resistor Push-To-Test Operators



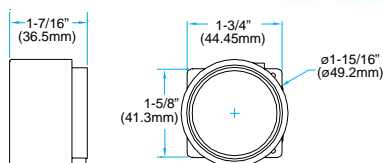
Full Voltage, Resistor Push-To-Test Operators



Guarded Lens



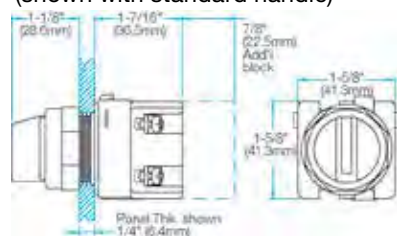
Shrouded Mushrooms Lens



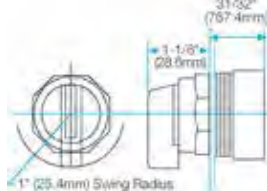
Selector switches

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

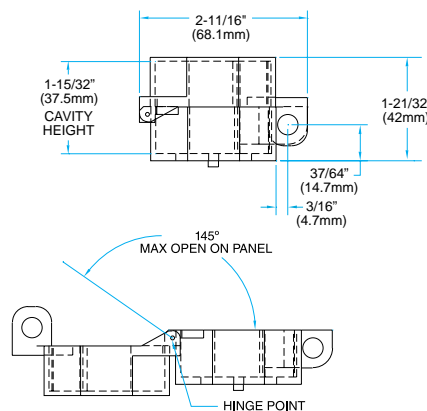
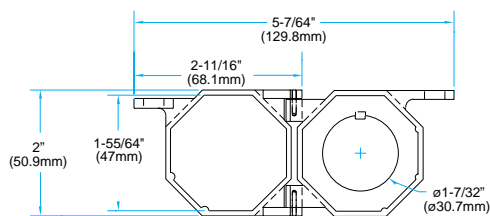
Selector Switch Operator (shown with standard handle)



Selector Switch Lever Handle



lock-off attachment



General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B

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 Rated¹
- 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 Pilots 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



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

Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty

Pushbuttons

Types

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

MULTIPLIER SYMBOL FOR CSW30H SERIES - Z55

CSW30H-

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

NON-ILLUMINATED FLUSH	NON-ILLUMINATED (Extended)	NON-ILLUMINATED MUSHROOM (40mm HEAD)	NON-ILLUMINATED RECESSED
CSW30H - ____ <ul style="list-style-type: none"> ○ BF0 ● BF1 ● BF2 ● BF3 ● BF4 ● BF5  <p>LIST PRICE \$31</p>	CSW30H - ____ <ul style="list-style-type: none"> ○ BS0 ● BS1 ● BS2 ● BS3 ● BS4 ● BS5  <p>LIST PRICE \$31</p>	CSW30H - ____ <ul style="list-style-type: none"> ● BC1 ● BC2 ● BC5  <p>LIST PRICE \$42</p>	CSW30H - ____ <ul style="list-style-type: none"> ○ BGA0 ● BGA1 ● BGA2 ● BGA3 ● BGA4 ● BGA5  <p>LIST PRICE \$37</p>
<p>* Illuminated operators are supplied with LED block. To complete selection, replace “**” with desired voltage: E26 (24Vac/Vdc), D61 (120Vac/Vdc) or D66 (240Vac/Vdc).</p>			
ILLUMINATED EXTENDED	ILLUMINATED MUSHROOM (40mm HEAD)	ILLUMINATED RECESSED	
CSW30H - ____ * <ul style="list-style-type: none"> ○ BSI0 ● BSI1 ● BSI2 ● BSI3 ● BSI4  <p>LIST PRICE \$110</p>	CSW30H - ____ * <ul style="list-style-type: none"> ○ BCI0 ● BCI1 ● BCI2 ● BCI3 ● BCI4  <p>LIST PRICE \$120</p>	CSW30H - ____ * <ul style="list-style-type: none"> ○ BGAI0 ● BGAI1 ● BGAI2 ● BGAI3 ● BGAI4  <p>LIST PRICE \$115</p>	
<p>Note: Contact blocks ordered separately. See page 326.</p>			

Emergency-Stop Pushbuttons

CSW30H-

Types

- G - Twist release
- P - Pull release

CSW30H-

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

E-STOP - TWIST RELEASE	E-STOP - PUSH PULL	PILOT LIGHTS
<ul style="list-style-type: none"> ● CSW30H-BEG ● CSW30H-BEG2  <p>LIST PRICE \$86</p>	<ul style="list-style-type: none"> ● CSW30H-BEP ● CSW30H-BEP2  <p>LIST PRICE \$80</p>	<ul style="list-style-type: none"> ○ SD0 ● SD1 ● SD2 ● SD3 ● SD4  <p>LIST PRICE \$107</p>

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

Note: Contact blocks ordered separately. See page 326

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 \$62.00	 LIST PRICE Maintained \$44 Spring Return \$62		
CSW30H-CK2F90	CSW30H-CA2F90		1
CSW30H-CK2R90	CSW30H-CA2R90		1
CSW30H-CK3F45	CSW30H-CA3F45		2 & 3
CSW30H-CK3R45	CSW30H-CA3R45		2 & 3
CSW30H-CK3RE45	CSW30H-CA3RE45		2 & 3
CSW30H-CK3RD45	CSW30H-CA3RD45		2 & 3

Catalog Number	List Price	Multiplier
CSW30-FCR	\$15	Z5
CSW30-ECR	\$15	
CSW30-PLCR	\$15	

Note: Contact blocks ordered separately. See page 326

DIAGRAM 1 - Hermetically & Factory Sealed Block

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

X = CLOSED
 0 = OPEN

DIAGRAM 2 - Factory Sealed Block

HANDLE POSITION			Auxiliary Contact	Mouting 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	Mouting 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

Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty

Factory Sealed / Hermetically Sealed Contact Blocks

General Information

Circuit Protection

Disconnect Switches

Motor Protectors

Contactors

Overloads

Enclosed Starters

Relays

Pushbuttons and Pilot Lights

Terminal Blocks

Power Factor Correction

Appendix A

Appendix B



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		

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]	

Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty

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Appendix A

Appendix B

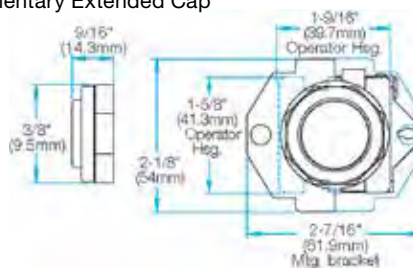
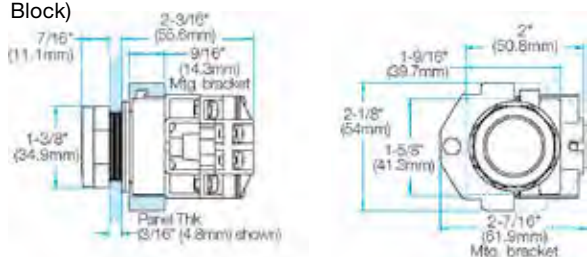
Momentary Non-Illuminated H-Line Push Buttons

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

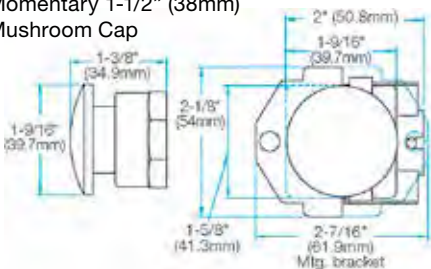
Non-Illuminated Operator

(shown with Flush Cap & Factory Sealed Contact Block)

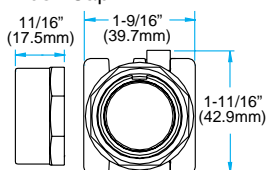
Momentary Extended Cap



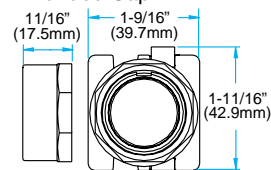
Momentary 1-1/2" (38mm) Mushroom Cap



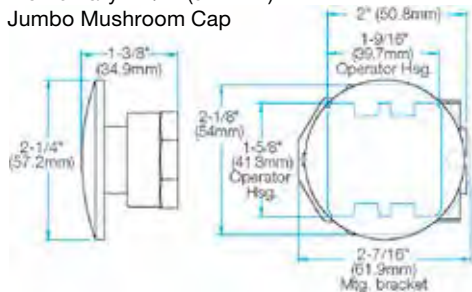
Momentary Guarded Flush Cap



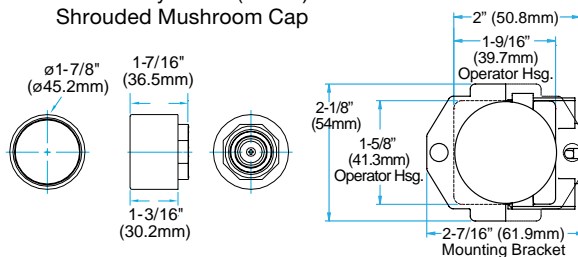
Momentary Guarded Extended Cap



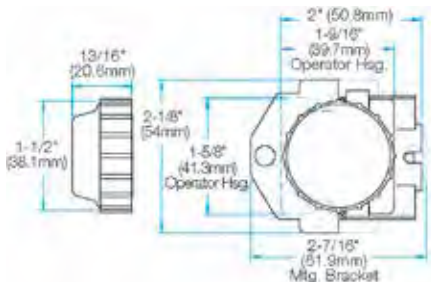
Momentary 2-1/4" (57.2mm) Jumbo Mushroom Cap



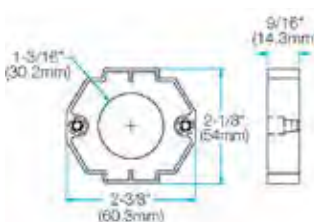
Momentary 1-1/2" (38mm) Shrouded Mushroom Cap



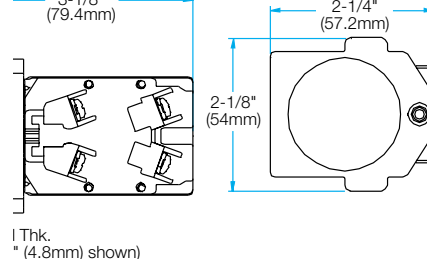
Momentary Fluorosilicone Rubber Boot



Non-Illuminated Push Button Mounting Bracket



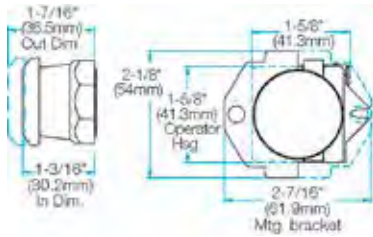
Momentary 2-1/4" (57.2mm) Shrouded Jumbo Mushroom Cap



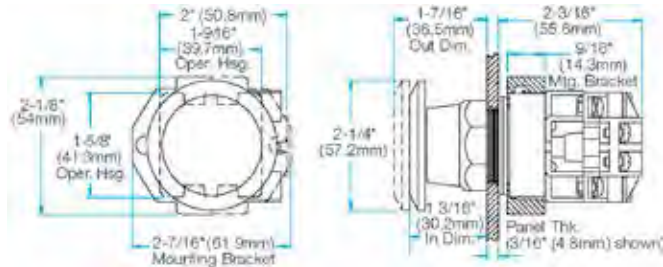
Maintained non-Illuminated H-Line Push Buttons

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



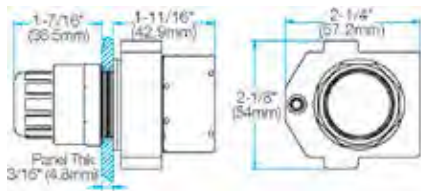
2-Position Push-Pull Maintained Operator
(shown with 2-1/4" (57.2mm) Jumbo Mushroom Cap)



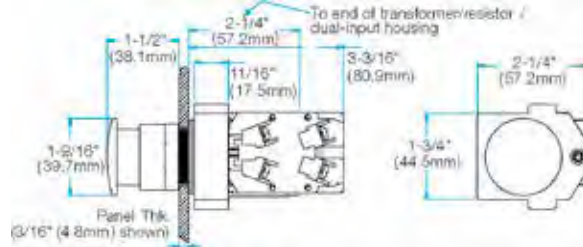
Momentary Illuminated H-Line Push Buttons

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

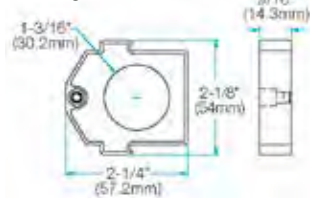
Illuminated Full Voltage Operator



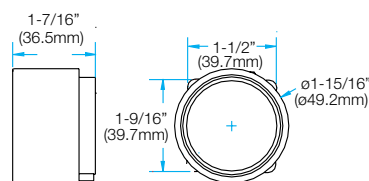
Illuminated Transformer, Resistor
and Dual Input Operators



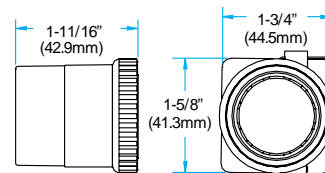
Illuminated Push Button
Mounting Bracket



Illuminated Shrouded
Mushroom Lens



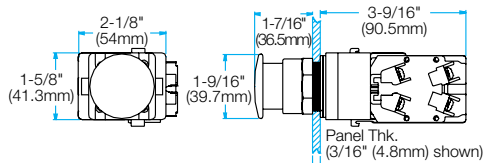
Illuminated Guarded Lens



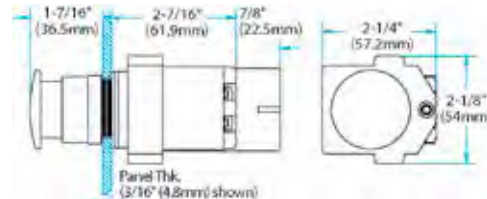
2-Position Push-Pull Maintained Illuminated H-Line Push Buttons

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



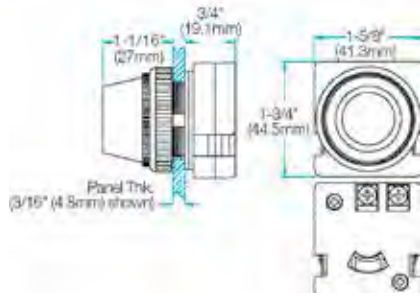
Pushbuttons and Pilot Lights

CSW30H Series (30mm) Hazardous Duty

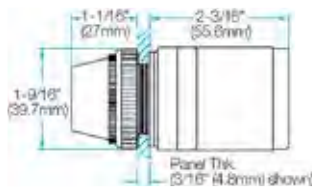
H-Line Pilot Lights

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

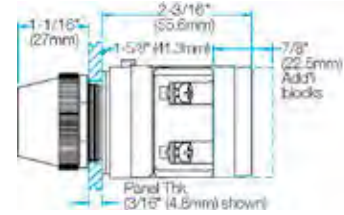
Full Voltage Pilot Light Operator



Transformer & Resistor Pilot Light Operators



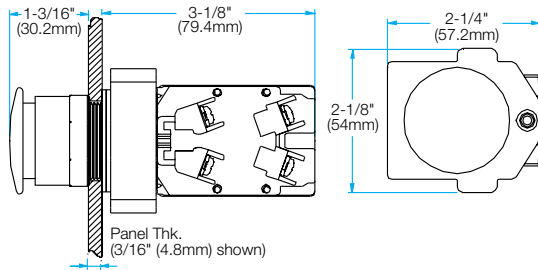
Dual Input Pilot Light Operator



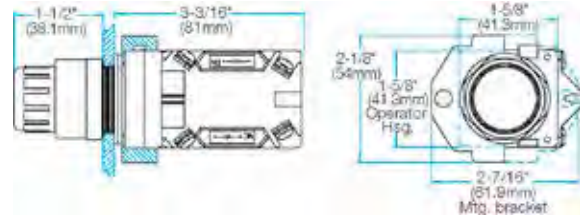
Push-To-Test H-Line Pilot Lights

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

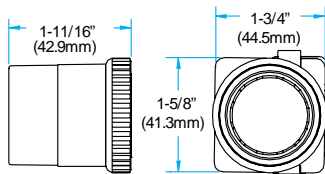
Full Voltage Push-To-Test Operator



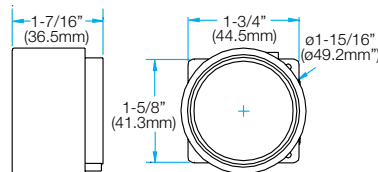
Transformer & Resistor Push-To-Test Operators



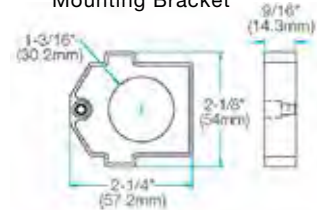
Guarded Lens



Shrouded Mushroom Lens



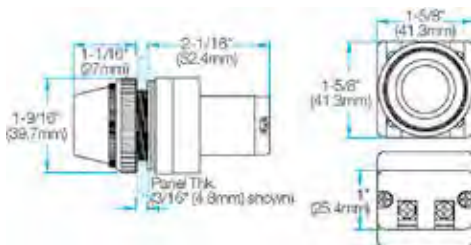
Illuminated Push-To-Test Mounting Bracket



Multi-Voltage H-Line Pilot Light

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

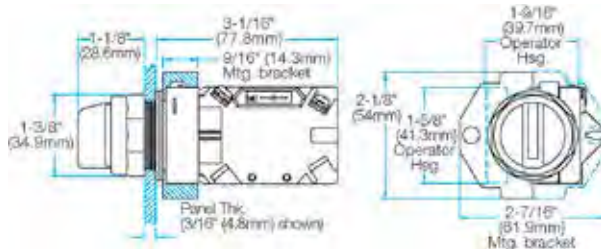
Multi-Voltage Pilot Light



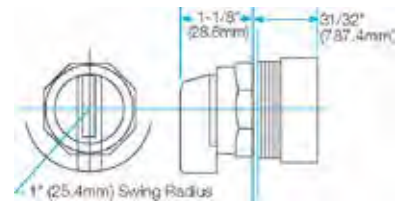
H-line Selector Switches

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

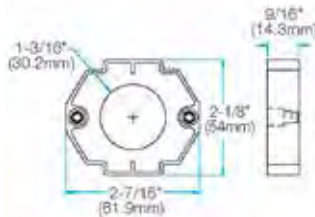
Selector Switch Operator
(shown with standard handle)



Selector Switch Lever Handle

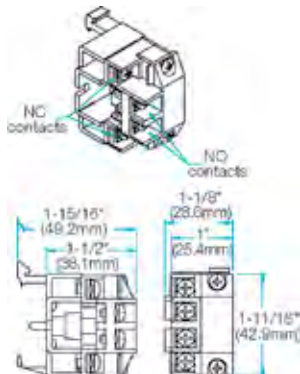


Selector Switch Mounting Bracket

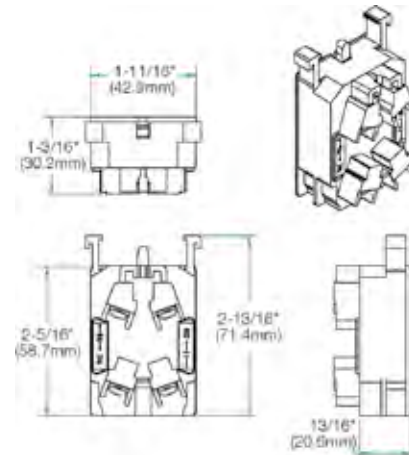


H-line contact blocks

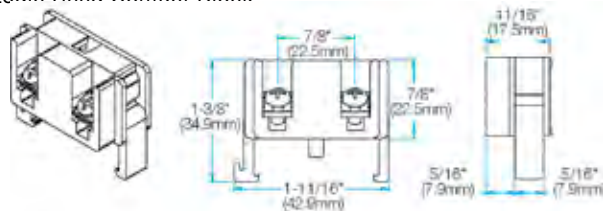
Factory Sealed Contact Block



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



Logic Reed Contact Block



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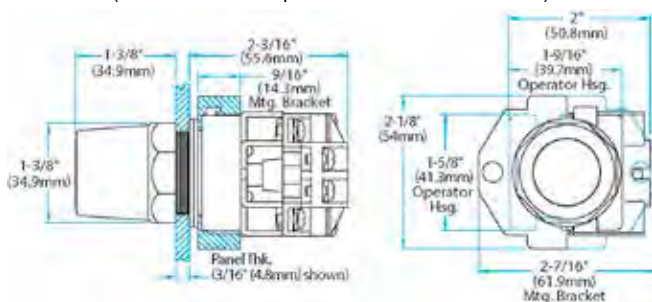
Appendix B

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.

Maintained Extended Push Button Cap

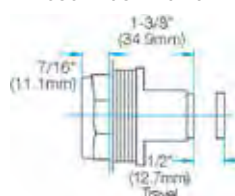
Maintained Flush Push Button Cap (shown with an operator and contact block)



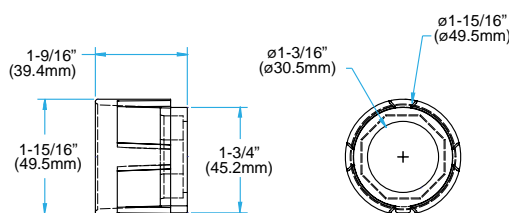
H-line Reset Push Button

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

Reset Push Button



GUARD ATTACHMENT



Lock-off attachment

