30mm Pilot Devices
Command/52 and BlackMax

Selection and application guide

Pilot devices

Answers for industry.

SIEMENS

Introducing our new line of 30mm Pilot Devices

Our broad range of 30mm (Command 52/BlackMax) Pilot Devices have long been relied on by America's leading Industrial manufacturers, OEMs, and end-users. Special attention has to be paid to the interaction between man and machine. Siemens has a wide range of pilot lights, pushbuttons units, E-STOPs, custom enclosures, and selector switches. With Siemens commanding and signaling devices, you can be confident in being able to handle every situation.

30mm Pilot Devices Product Overview

With Siemens innovative technology and design for rapid installation, our complete range of oil tight Pilot Devices provides a solution that will be aesthetically and functionally impressive. The extensive portfolio is modular, well-proven in practice, and is 100% fit for industrial environments. Whether the application requires Chrome or BlackMax, incandescent or LED, standard duty or hazardous location, or plastic or glass – Siemens has done the work for you.

New Siemens Products!

- 3 Position: Push-Maintained, Pull-Momentary!
- 2 Position: Push-Maintained, Twist-to-Release!
- Integrated LED Modules – Our recommended 30mm illumination option!

Features and Benefits

- **New Modular Design** – Allowing for quick delivery, multiple distributor options, and a full product line for the end-user. Lighting modules, operators, and lens can be ordered fully assembled or independently depending on your applications.
- **Latest in Illumination Technology** – Delivering traditional incandescent lights, energy saving LEDs, and energy saving extra bright cluster LEDs.
- **New Ribbed Concentric Lens** – Providing improved lighting distribution and aesthetic appeal.
- **Less Mounting Space** – Making Siemens new 30mms smaller than ever.
- **More In-Stock Product** – Meeting our customers needs by carrying a vast array of 30mm Pilot Device catalog IDs at our distribution centers.
- **BlackMax corrosion resistant line** – withstanding the harshest environments.
- **Silver contacts with gold flashing** – Improving contact fidelity of all our contact blocks.
- **NEMA Type 1, 3, 3R, 4, 4X, 12, 13**
- **Automotive standards compliant**

Product Selection Options

- Stock Product Tables - Choose a standard pilot device from the lists of stocked product.
- Product Configurations - Build a pilot device for your exact needs with our simple product configurators.

Make your choice for each selection category to generate your catalog number. Optional selection categories are denoted with gray boxes.

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	L	5	D	2	XY

Pilot Lights

Ordering Guide: Pilot Lights

Example:

52PL5D2XY
- Pilot Light, 30 mm
- Chrome
- Red
- Glass Lens
- Full Voltage, 24V
- 3 LED Cluster Bulb

52BL4G9
- Pilot Light, 30mm
- BlackMax
- Amber
- Plastic Lens
- Transformer, 120V
- Incandescent Bulb

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	L	5	D	2	XY

Selection (1)
Class
52 30mm
  (Oil Tight Products)

(2)
Finish
P Chrome
B BlackMax - NEMA 4X

(3)
Product Type
L Pilot Light

(4)
Style
4 Plastic Lens
5 Glass Lens

Selection (5)
Operation
Full voltage
B 6 - 8V AC/DC
C 12 - 13V AC/DC
D 24 - 28V AC/DC
E 120V AC/DC

Transformer
G 120V AC
H 240V AC
J 480V AC
K 600V AC

LED Module
L 24V AC/DC
M 120V AC
N 240V AC

Lighting Placeholder
X No lighting module[1]

(6)
Color
2 Red
3 Green
5 Blue
9 Amber
A Clear
B White
N No lens/head

(7)
Optional: LED[2]
XY 3 LED Cluster
XB LED Single Bulb

Default is incandescent bulb.

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

[1] Lighting module accessory kits can be ordered on page 31. When using LED, lens and LED bulb must match.
[2] This option cannot be selected when using 12-13V Full Voltage or LED Module. All LED Modules utilize a single LED bulb.
  When selecting this in combination with 120V Full Voltage, only AC voltage can be used.

Pilot Lights
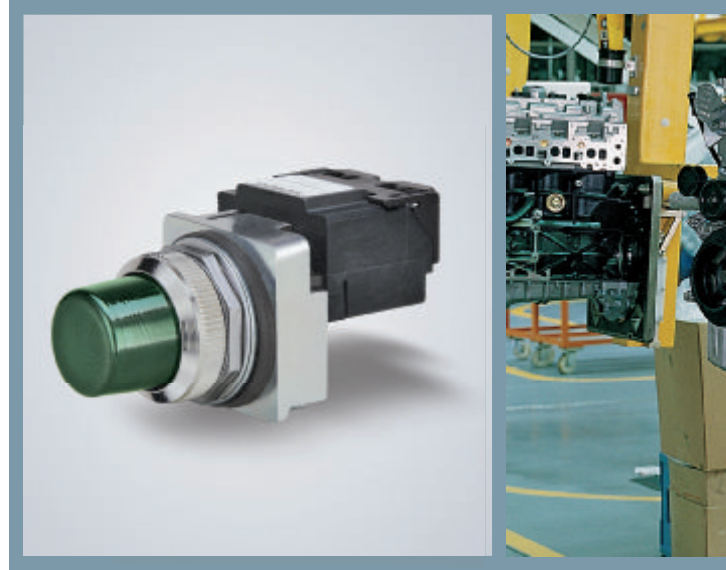
Stock Product and Cross Reference

The following section is a cross-reference of our pre-2009 generation and new generation of pilot lights.

The listed pilot lights are just a selection of stocked product. Please consult your Siemens account manager for a complete cross-reference and list of stocked product.

CHROME Pilot Lights, 30mm

New Catalog ID	Old Catalog ID	Color	Head Type	Power Module	Lamp
52PL5G2XY	NA	Red	Glass Lens	Transformer - 120 V	Cluster LED
52PL5G2	52PA5G2	Red	Glass Lens	Transformer - 120 V	Incandescent Bulb
52PL5G2XB	52PE5G2	Red	Glass Lens	Transformer - 120 V	Single LED
52PL4E2	52PC4E2	Red	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52PL4E2XB	52PE4E2	Red	Plastic Lens	Full Voltage - 120 V	Single LED
52PL4D2	52PA4D2	Red	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52PL4D2XB	52PE4D2	Red	Plastic Lens	Full Voltage - 24 V	Single LED
52PL4M2	NA	Red	Plastic Lens	LED Module - 120 V	Integrated LED
52PL4L2	NA	Red	Plastic Lens	LED Module - 24 V	Integrated LED
52PL4G2XY	NA	Red	Plastic Lens	Transformer - 120 V	Cluster LED
52PL4G2	52PA4G2	Red	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52PL4G2XB	52PE4G2	Red	Plastic Lens	Transformer - 120 V	Single LED
52PL4H2	52PA4H2	Red	Plastic Lens	Transformer - 240 V	Incandescent Bulb
52PL4J2	52PA4J2	Red	Plastic Lens	Transformer - 480 V	Incandescent Bulb
52PL4J2XB	52PE4J2	Red	Plastic Lens	Transformer - 480 V	Single LED
52PL5G3XY	NA	Green	Glass Lens	Transformer - 120 V	Cluster LED
52PL5G3	52PA5G3	Green	Glass Lens	Transformer - 120 V	Incandescent Bulb
52PL5G3XB	52PE5G3	Green	Glass Lens	Transformer - 120 V	Single LED
52PL4E3	52PC4E3	Green	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52PL4E3XB	52PE4E3	Green	Plastic Lens	Full Voltage - 120 V	Single LED
52PL4D3	52PA4D3	Green	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52PL4D3XB	52PE4D3	Green	Plastic Lens	Full Voltage - 24 V	Single LED
52PL4M3	NA	Green	Plastic Lens	LED Module - 120 V	Integrated LED
52PL4L3	NA	Green	Plastic Lens	LED Module - 24 V	Integrated LED
52PL4G3XY	NA	Green	Plastic Lens	Transformer - 120 V	Cluster LED
52PL4G3	52PA4G3	Green	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52PL4G3XB	52PE4G3	Green	Plastic Lens	Transformer - 120 V	Single LED
52PL4H3	52PA4H3	Green	Plastic Lens	Transformer - 240V	Incandescent Bulb
52PL4J3	52PA4J3	Green	Plastic Lens	Transformer - 480 V	Incandescent Bulb
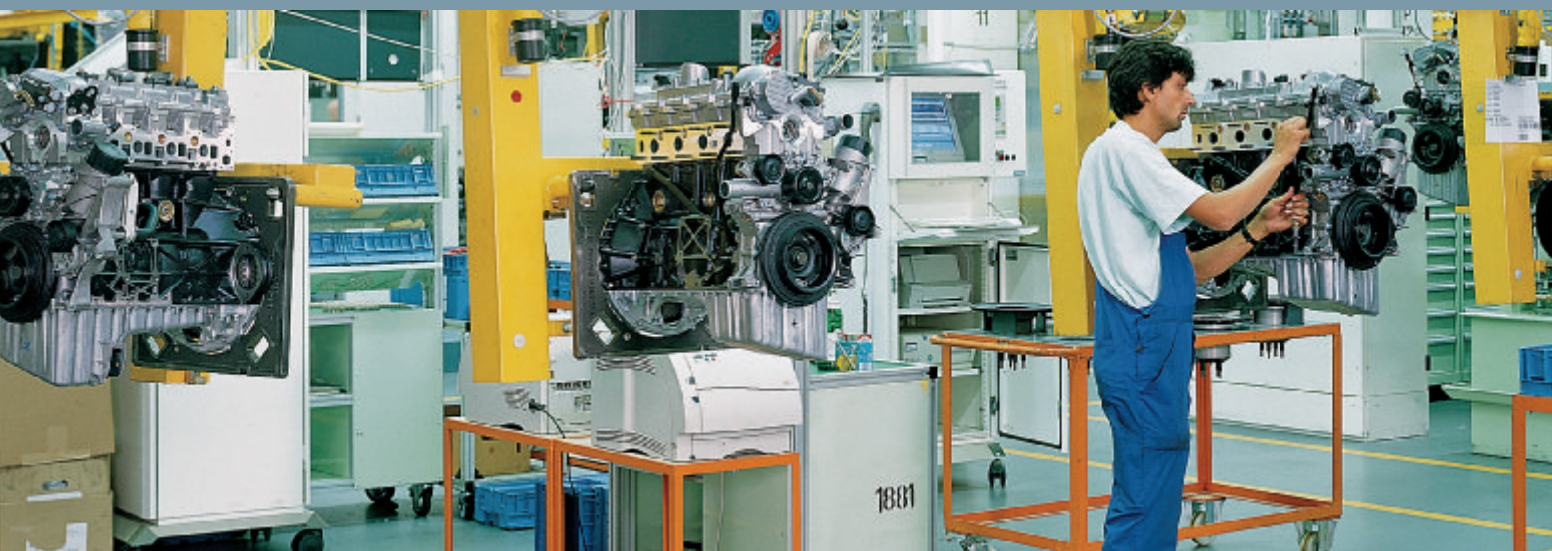
CHROME Pilot Lights, 30mm

New Catalog ID	Old Catalog ID	Color	Head Type	Power Module	Lamp
52PL4E9	52PC4E9	Amber	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52PL4E9XB	52PE4E9	Amber	Plastic Lens	Full Voltage - 120 V	Single LED
52PL4D9	52PA4D9	Amber	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52PL4D9XB	52PE4D9	Amber	Plastic Lens	Full Voltage - 24 V	Single LED
52PL4M9	NA	Amber	Plastic Lens	LED Module - 120 V	Integrated LED
52PL4L9	NA	Amber	Plastic Lens	LED Module - 24 V	Integrated LED
52PL4G9	52PA4G9	Amber	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52PL4G9XB	52PE4G9	Amber	Plastic Lens	Transformer - 120 V	Single LED
52PL4J9	52PA4J9	Amber	Plastic Lens	Transformer - 480 V	Incandescent Bulb
52PL4DAXB	52PE4DA	Clear	Plastic Lens	Full Voltage - 24 V	Single LED
52PL4LA	NA	Clear	Plastic Lens	LED Module - 24 V	Integrated LED
52PL4EBXB	52PE4EB	White	Plastic Lens	Full Voltage - 120 V	Single LED
52PL4DBXB	52PE4DB	White	Plastic Lens	Full Voltage - 24 V	Single LED
52PL4MB	NA	White	Plastic Lens	LED Module - 120 V	Integrated LED
52PL4LB	NA	White	Plastic Lens	LED Module - 24 V	Integrated LED
52PL4GB	52PA4GB	White	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52PL4GBXB	52PE4GB	White	Plastic Lens	Transformer - 120 V	Single LED
52PL4JBXB	52PE4JB	White	Plastic Lens	Transformer - 480 V	Single LED
52PL4EN	52PC4EN	No Lens	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52PL4DN	52PA4DN	No Lens	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52PL4GN	52PA4GN	No Lens	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52PL4HN	52PA4HN	No Lens	Plastic Lens	Transformer - 240 V	Incandescent Bulb
52PL4JN	52PA4JN	No Lens	Plastic Lens	Transformer - 480 V	Incandescent Bulb

Pilot Lights

BLACKMAX Pilot Lights, 30mm

New Catalog ID	Old Catalog ID	Color	Head Type	Power Module	Lamp
52BL5G2	52PX5G2	Red	Glass Lens	Transformer - 120 V	Incandescent Bulb
52BL5G2XB	52PX5G2Y	Red	Glass Lens	Transformer - 120 V	Single LED
52BL4E2XY	NA	Red	Plastic Lens	Full Voltage - 120 V	Cluster LED
52BL4E2	52PY4E2	Red	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52BL4E2XB	52PX4E2Y	Red	Plastic Lens	Full Voltage - 120 V	Single LED
52BL4D2	52PX4D2	Red	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52BL4M2	NA	Red	Plastic Lens	LED Module - 120 V	Integrated LED
52BL4G2	52PX4G2	Red	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52BL4G2XB	52PX4G2Y	Red	Plastic Lens	Transformer - 120 V	Single LED
52BL5G3	52PX5G3	Green	Glass Lens	Transformer - 120 V	Incandescent Bulb
52BL5G3XB	52PX5G3Y	Green	Glass Lens	Transformer - 120 V	Single LED
52BL4E3XY	NA	Green	Plastic Lens	Full Voltage - 120 V	Cluster LED
52BL4E3	52PY4E3	Green	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52BL4E3XB	52PX4E3Y	Green	Plastic Lens	Full Voltage - 120 V	Single LED
52BL4D3	52PX4D3	Green	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52BL4D3XB	52PX4D3Y	Green	Plastic Lens	Full Voltage - 24 V	Single LED
52BL4M3	NA	Green	Plastic Lens	LED Module - 120 V	Integrated LED
52BL4L3	NA	Green	Plastic Lens	LED Module - 24 V	Integrated LED
52BL4G3	52PX4G3	Green	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52BL4G3XB	52PX4G3Y	Green	Plastic Lens	Transformer - 120 V	Single LED
52BL4D5XB	52PX4D5Y	Blue	Plastic Lens	Full Voltage - 24 V	Single LED
52BL4L5	NA	Blue	Plastic Lens	LED Module - 24 V	Integrated LED
52BL4E9	52PY4E9	Amber	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52BL4E9XB	52PX4E9Y	Amber	Plastic Lens	Full Voltage - 120 V	Single LED
52BL4D9	52PX4D9	Amber	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52BL4D9XB	52PX4D9Y	Amber	Plastic Lens	Full Voltage - 24 V	Single LED
52BL4M9	NA	Amber	Plastic Lens	LED Module - 120 V	Integrated LED
52BL4L9	NA	Amber	Plastic Lens	LED Module - 24 V	Integrated LED
52BL4G9	52PX4G9	Amber	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52BL4G9XB	52PX4G9Y	Amber	Plastic Lens	Transformer - 120 V	Single LED
52BL4MA	NA	Clear	Plastic Lens	LED Module - 120 V	Integrated LED
52BL4GAXB	52PX4GAY	Clear	Plastic Lens	Transformer - 120 V	Single LED
52BL4EB	52PY4EB	White	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52BL4EBXB	52PX4EBY	White	Plastic Lens	Full Voltage - 120 V	Single LED
52BL4MB	NA	White	Plastic Lens	LED Module - 120 V	Integrated LED
52BL4GB	52PX4GB	White	Plastic Lens	Transformer - 120 V	Incandescent Bulb
52BL4GBXB	52PX4GBY	White	Plastic Lens	Transformer - 120 V	Single LED
52BL4EN	52PY4EN	No Lens	Plastic Lens	Full Voltage - 120 V	Incandescent Bulb
52BL4DN	52PX4DN	No Lens	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb
52BL4GN	52PX4GN	No Lens	Plastic Lens	Transformer - 120 V	Incandescent Bulb

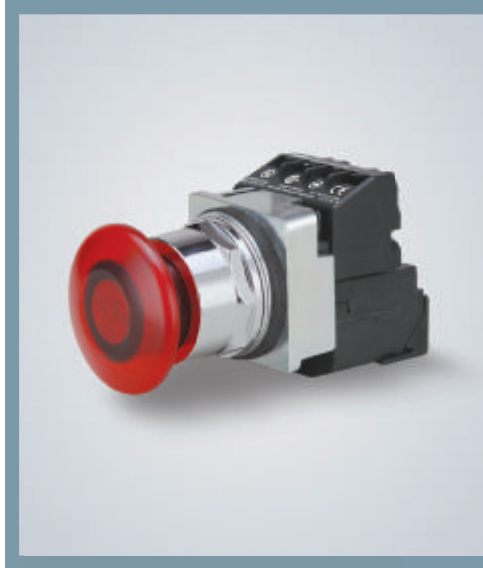Stock product is subject to availability. This list may change at anytime without notice.

Illuminated Push-Pull Units

Ordering Guide: Illuminated Push-Pull Units

Example:

52PP7M3U
- Push-Pull Pushbutton, 30mm
- Chrome
- 3-Pos, Maintained In, Momentary Out
- Green, Illuminated
- 1 3/4" Plastic
- LED Module, 120V
- Single LED Bulb
- 1 NCXLB - 1 NC

52BP2DRAB
- Push-Pull Pushbutton, 30mm
- BlackMax
- 2-Pos, Maintained
- Red, Illuminated
- 1 3/4" Plastic
- Full Voltage, 24V
- Single LED Bulb
- 1NO-1NC

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	P	7	M	3	U

Use the selection information below to build your illuminated push-pull unit catalog number. Please contact your Siemens account manager for further ordering details.

Selection

(1) Class
52 30mm
(Oil Tight Products)

(2) Finish
P Chrome
B BlackMax – NEMA 4X

(3) Product Type
P Illuminated Push-Pull

(4) Function
2 2 Pos: Maintained
3 3 Pos: Momentary
7 3 Pos: Maintained in, Momentary out

Selection

(5) Operation
Full voltage
B 6 - 8V AC/DC
C 12 - 13V AC/DC
D 24 - 28V AC/DC
E 120V AC/DC

Transformer
G 120V AC
H 240V AC
J 480V AC
K 600V AC

LED Module
L 24V AC/DC
M 120V AC
N 240V AC

Lighting Placeholder
X No lighting module [1]

(6) Style / Color
Metal - 1 3/4"
2 Red
3 Green
5 Blue
9 Amber
A Clear
B White

Plastic - 1 3/4"
R Red
S Green
T Amber

Plastic - 2 1/2"
D Red
E Green
F Amber

No Operating Head
Z Less head

(7) Optional: LED and/or Contact Blocks
2 Pos Options
A 1 NO - 1 NC (1-52BJK)
AB 1 NO - 1 NC (1-52BJK) and LED Single Bulb [2]
XB LED Single Bulb [2]

3 Pos Options
U 1 NC - 1 NC extra late break [3] (1-52BAJ, 1-52BAU)
UB 1 NC - 1 NC extra late break [3] (1-52BAJ, 1-52BAU) and LED Single Bulb [2]
XB LED Single Bulb [2]

Default is incandescent bulb.

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

[1] Lighting module accessory kits can be ordered on page 31. When using LED, lens and LED bulb must match.
[2] This option cannot be selected when using 12-13V Full Voltage or LED Module. All LED Modules utilize a single LED bulb. When selecting this in combination with 120V Full Voltage, only AC voltage can be used.
[3] Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

Illuminated Push-Pull Units
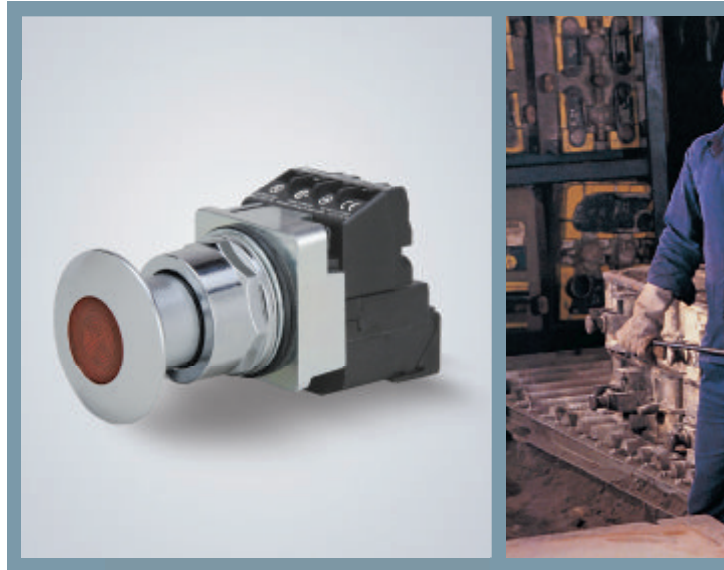
Stock Product and Cross Reference

The following section is a cross-reference of our pre-2009 generation and new generation of push-pull units.

The listed illuminated push-pull units are just a selection of stocked product. Please consult your Siemens account manager for a complete cross-reference and list of stocked product.

CHROME Illuminated Push-Pull Pushbuttons, 30mm

New Catalog ID	Old Catalog ID	Pos / Funct	Color	Head Type	Power Module	Lamp	Contacts
52PP2D2A	52PA2D2A	2-Pos, MND	Red	1 3/4" Metal	Full Voltage - 24 V	Incandescent	1NO-1NC
52PP2D2AB	52PE2D2A	2-Pos, MND	Red	1 3/4" Metal	Full Voltage - 24 V	Single LED	1NO-1NC
52PP2M2A	NA	2-Pos, MND	Red	1 3/4" Metal	LED Module - 120 V	Integrated LED	1NO-1NC
52PP2L2A	NA	2-Pos, MND	Red	1 3/4" Metal	LED Module - 24 V	Integrated LED	1NO-1NC
52PP2G2A	52PA2G2A	2-Pos, MND	Red	1 3/4" Metal	Transformer - 120 V	Incandescent	1NO-1NC
52PP2G2AB	52PE2G2A	2-Pos, MND	Red	1 3/4" Metal	Transformer - 120 V	Single LED	1NO-1NC
52PP2DRAB	52PE2DRA	2-Pos, MND	Red	1 3/4" Plastic	Full Voltage - 24 V	Single LED	1NO-1NC
52PP2MRA	NA	2-Pos, MND	Red	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NO-1NC
52PP2LRA	NA	2-Pos, MND	Red	1 3/4" Plastic	LED Module - 24 V	Integrated LED	1NO-1NC
52PP2GRA	52PA2GRA	2-Pos, MND	Red	1 3/4" Plastic	Transformer - 120 V	Incandescent	1NO-1NC
52PP2GRAB	52PE2GRA	2-Pos, MND	Red	1 3/4" Plastic	Transformer - 120 V	Single LED	1NO-1NC
52PP2D3A	52PA2D3A	2-Pos, MND	Green	1 3/4" Metal	Full Voltage - 24 V	Incandescent	1NO-1NC
52PP2G3A	52PA2G3A	2-Pos, MND	Green	1 3/4" Metal	Transformer - 120 V	Incandescent	1NO-1NC
52PP2GNA	52PA2GNA	2-Pos, MND	No Lens		Transformer - 120 V	Incandescent	1NO-1NC
52PP3M2U	NA	3-Pos, MMT	Red	1 3/4" Metal	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP3G2U	52PA3G2U	3-Pos, MMT	Red	1 3/4" Metal	Transformer - 120 V	Incandescent	1NCXLB-1NC
52PP3G2UB	52PE3G2U	3-Pos, MMT	Red	1 3/4" Metal	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP3MRU	NA	3-Pos, MMT	Red	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP3GRU	52PA3GRU	3-Pos, MMT	Red	1 3/4" Plastic	Transformer - 120 V	Incandescent	1NCXLB-1NC
52PP3GRUB	52PE3GRU	3-Pos, MMT	Red	1 3/4" Plastic	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP3M3U	NA	3-Pos, MMT	Green	1 3/4" Metal	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP3G3U	52PA3G3U	3-Pos, MMT	Green	1 3/4" Metal	Transformer - 120 V	Incandescent	1NCXLB-1NC
52PP3G3UB	52PE3G3U	3-Pos, MMT	Green	1 3/4" Metal	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP3MSU	NA	3-Pos, MMT	Green	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP3GSUB	52PE3GSU	3-Pos, MMT	Green	1 3/4" Plastic	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP3G9U	52PA3G9U	3-Pos, MMT	Amber	1 3/4" Metal	Transformer - 120 V	Incandescent	1NCXLB-1NC
52PP7M2U	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Metal	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP7G2UB	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Metal	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP7MRU	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP7GRUB	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Plastic	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP7M3U	NA	3-Pos, MMT-In, MND-Out	Green	1 3/4" Metal	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP7G3UB	NA	3-Pos, MND-In, MMT-Out	Green	1 3/4" Metal	Transformer - 120 V	Single LED	1NCXLB-1NC
52PP7MSU	NA	3-Pos, MND-In, MMT-Out	Green	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NCXLB-1NC
52PP7GSUB	NA	3-Pos, MND-In, MMT-Out	Green	1 3/4" Plastic	Transformer - 120 V	Single LED	1NCXLB-1NC

MMT = Momentary   MND = Maintained

Stock product is subject to availability. This list may change at anytime without notice.

BLACKMAX Illuminated Push-Pull Pushbuttons, 30mm

New Catalog ID	Old Catalog ID	Pos/Func	Color	Head Type	Power Module	Lamp	Contacts
52BP2G2A	52PX2G2A	2-Pos, MND	Red	1 3/4" Metal	Transformer - 120 V	Incandescent	1NO-1NC
52BP2GRA	52PX2GRA	2-Pos, MND	Red	1 3/4" Plastic	Transformer - 120 V	Incandescent	1NO-1NC
52BP2L2A	NA	2-Pos, MND	Red	1 3/4" Metal	LED Module - 24 V	Integrated LED	1NO-1NC
52BP2D2AB	52PX2D2AY	2-Pos, MND	Red	1 3/4" Metal	Full Voltage - 24 V	Single LED	1NO-1NC
52BP2LRA	NA	2-Pos, MND	Red	1 3/4" Plastic	LED Module - 24 V	Integrated LED	1NO-1NC
52BP2DRAB	52PX2DRAY	2-Pos, MND	Red	1 3/4" Plastic	Full Voltage - 24 V	Single LED	1NO-1NC
52BP2G3A	52PX2G3A	2-Pos, MND	Green	1 3/4" Metal	Transformer - 120 V	Incandescent	1NO-1NC
52BP3G3U	52PX3G3U	3-Pos, MMT	Green	1 3/4" Metal	Transformer - 120 V	Incandescent	1NCXLB-1NC

MMT = Momentary   MND = Maintained   Stock product is subject to availability. This list may change at anytime without notice.

Non-Illuminated Push-Pull Units

Ordering Guide: Non-Illuminated Push-Pull Units

Example:

52PP2W2A
- Push-Pull Pushbutton, 30mm
- Chrome
- 2-Pos, Maintained
- Red, Non-Illuminated
- 1 3/4" Plastic
- 1NO-1NC

52BP3A2
- Push-Pull Pushbutton, 30mm
- BlackMax
- 3-Pos, Momentary
- Red, Non-Illuminated
- 1 3/4" Metal

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	P	2	W	2	A

Use the selection information below to build your non-illuminated push-pull unit catalog number. Please contact your Siemens account manager for further ordering details.

Selection (1)
Class
52 30mm
(Oil Tight Products)

(2)
Finish
P Chrome
B BlackMax – NEMA 4X

(3)
Product Type
P Non-Illuminated Push-Pull

(4)
Function
2 2 Pos: Maintained
3 3 Pos: Momentary
7 3 Pos: Maintained in, Momentary out

Selection (5)
Style
A Small Metal - 1 3/4"
W Small Plastic - 1 3/4"
V Large Plastic - 2 1/2"

(6)
Color
Metal
2 Red
3 Green
C Chrome

Plastic
1 Black
2 Red
3 Green
4 Yellow
5 Blue
6 Grey
8 Orange

No Operating Head
Z Less head

(7)
Optional Contact Blocks
2 Pos Options
A 1 NO - 1 NC (1-52BJK)

3 Pos Options
U 1 NC - 1 NC extra late break[1]
(1-52BAJ, 1-52BAU)

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

[1] Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

Stock Product and Cross Reference

The following section is a cross-reference of our pre-2009 generation and new generation of non-illuminated push-pull units.

The listed non-illuminated push-pull units are just a selection of stocked product. Please consult your Siemens account manager for a complete cross-reference and list of stocked product.
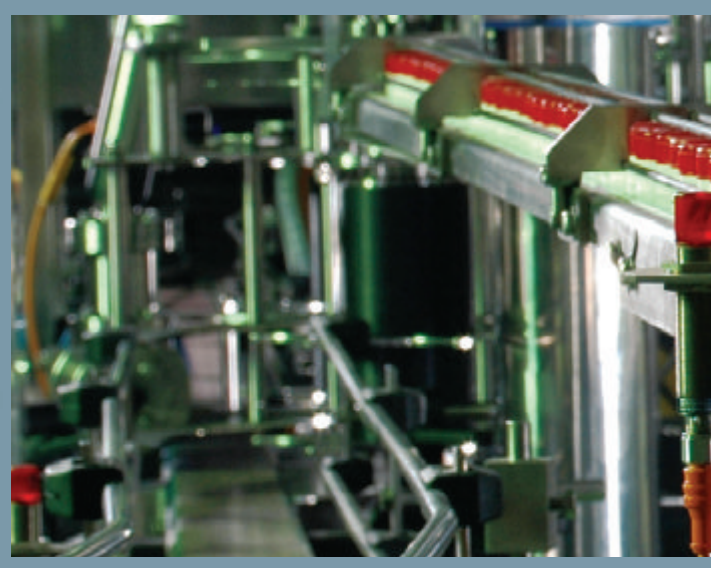
CHROME Non-Illuminated Push-Pull Pushbuttons, 30mm

New Catalog ID	Old Catalog ID	Pos/Func	Color	Head Type	Contacts
52PP2W1	52PA2W1	2-Pos, MND	Black	1 3/4" Plastic	
52PP2A2	52PA2A2	2-Pos, MND	Red	1 3/4" Metal	
52PP2A2A	52PA2A2A	2-Pos, MND	Red	1 3/4" Metal	1NO-1NC
52PP2W2	52PA2W2	2-Pos, MND	Red	1 3/4" Plastic	
52PP2W2A	52PA2W2A	2-Pos, MND	Red	1 3/4" Plastic	1NO-1NC
52PP2V2	52PA2V2	2-Pos, MND	Red	2 1/2" Plastic	
52PP2V2A	52PA2V2A	2-Pos, MND	Red	2 1/2" Plastic	1NO-1NC
52PP2W3	52PA2W3	2-Pos, MND	Green	1 3/4" Plastic	
52PP2AC	52PA2AC	2-Pos, MND	Chrome	1 3/4" Metal	
52PP3A2	52PA3A2	3-Pos, MMT	Red	1 3/4" Metal	
52PP3A2U	52PA3A2U	3-Pos, MMT	Red	1 3/4" Metal	1NCXLB-1NC
52PP3W2	52PA3W2	3-Pos, MMT	Red	1 3/4" Plastic	
52PP3V2	52PA3V2	3-Pos, MMT	Red	2 1/2" Plastic	
52PP7A2	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Metal	
52PP7W2	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Plastic	
52PP7V2	NA	3-Pos, MND-In, MMT-Out	Red	2 1/2" Plastic	

BLACKMAX Non-Illuminated Push-Pull Pushbuttons, 30mm

New Catalog ID	Old Catalog ID	Pos/Func	Color	Head Type	Contacts
52PP2A2	52PA2A2	2-Pos, MND	Red	1 3/4" Metal	
52BP2A2	52PX2A2	2-Pos, MND	Red	1 3/4" Metal	
52BP2A2A	52PX2A2A	2-Pos, MND	Red	1 3/4" Metal	1NO-1NC
52BP2W2	52PX2W2	2-Pos, MND	Red	1 3/4" Plastic	
552BP2W2A	52PX2W2A	2-Pos, MND	Red	1 3/4" Plastic	1NO-1NC
52BP2VS	52PX2V2	2-Pos, MND	Red	2 1/2" Plastic	
52BP3W1U	52PX3W1U	3-Pos, MMT	Black	1 3/4" Plastic	1NCXLB-1NC
52BP3A2	52PX3A2	3 Pos, MMT	Red	1 3/4" Metal	
52BP3W2	52PX3W2	3 Pos, MMT	Red	1 3/4" Plastic	
52BP3V2	52PX3V2	3-Pos, MMT	Red	2 1/2" Plastic	
52BP7A2	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Metal	
52BP7W2	NA	3-Pos, MND-In, MMT-Out	Red	1 3/4" Plastic	
52BP7V2	NA	3-Pos, MND-In, MMT-Out	Red	2 1/2" Plastic	

MMT = Momentary   MND = Maintained   Stock product is subject to availability. This list may change at anytime without notice.

Twist-to-Release Units

Ordering Guide: Twist-to-Release Units

Example:

52PR8ERA
- Twist-to-Release
  Pushbutton, 30mm
- Chrome
- 2-Pos, Maintained
- Red, Illuminated
- 1 3/4" Plastic
- Full Voltage, 120V
- Single LED
- 1NO-1NC

52BR8HRA
- Twist-to-Release
  Pushbutton, 30 mm
- BlackMax
- 2-Pos, Maintained
- Red, Illuminated
- 1 3/4" Plastic
- Transformer, 240V
- 1NO-1NC

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	R	8	E	R	A

Use the selection information below to build your twist-to-release unit catalog number. Please contact your Siemens account manager for further ordering details.

Selection (1)
Class
52 30mm
(Oil Tight Products)

(2)
Finish
P Chrome
B BlackMax -
Nema 4X

(3)
Product Type
R Push / Twist Release

(4)
Style
8 Plastic Head

Selection (5)
Operation
Full voltage ☼
B 6 - 8V AC/DC
C 12 - 13V AC/DC
D 24 - 28V AC/DC
E 120V AC/DC

Transformer ☼
G 120V AC
H 240V AC
J 480V AC
K 600V AC

LED module ☼
L 24V AC/DC
M 120V AC
N 240V AC

Lighting Placeholder ☼
X No lighting module[1]
Non-Illuminated ✸
W No lighting module,
non-illuminated

(6)
Color[2]
R Red ☼
2 Red ✸
S Green ☼
3 Green ✸
T Amber ☼
9 Yellow ✸
Z Less Operating
Head ☼ ✸

(7)
Optional: LED and/or Contact Blocks
A 1 NO - 1 NC (1-52BJK)
AB 1 NO - 1 NC (1-52BJK)
and LED Single Bulb[3]
**XB** LED Single Bulb[3]

Default is incandescent bulb.

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

☼ Illuminated
✸ Non-Iluminated

[1] Lighting module accessory kits can be ordered on page 31. When using LED, lens and LED bulb must match.
[2] Illuminated and non-Illuminated features cannot be mixed. Example: If full voltage (illuminated) has been selected, a color with an illuminated symbol must be used.
[3] This option cannot be selected when using 12-13V Full Voltage or LED Module. All LED Modules utilize a single LED bulb. When selecting this in combination with 120V Full Voltage, only AC voltage can be used.
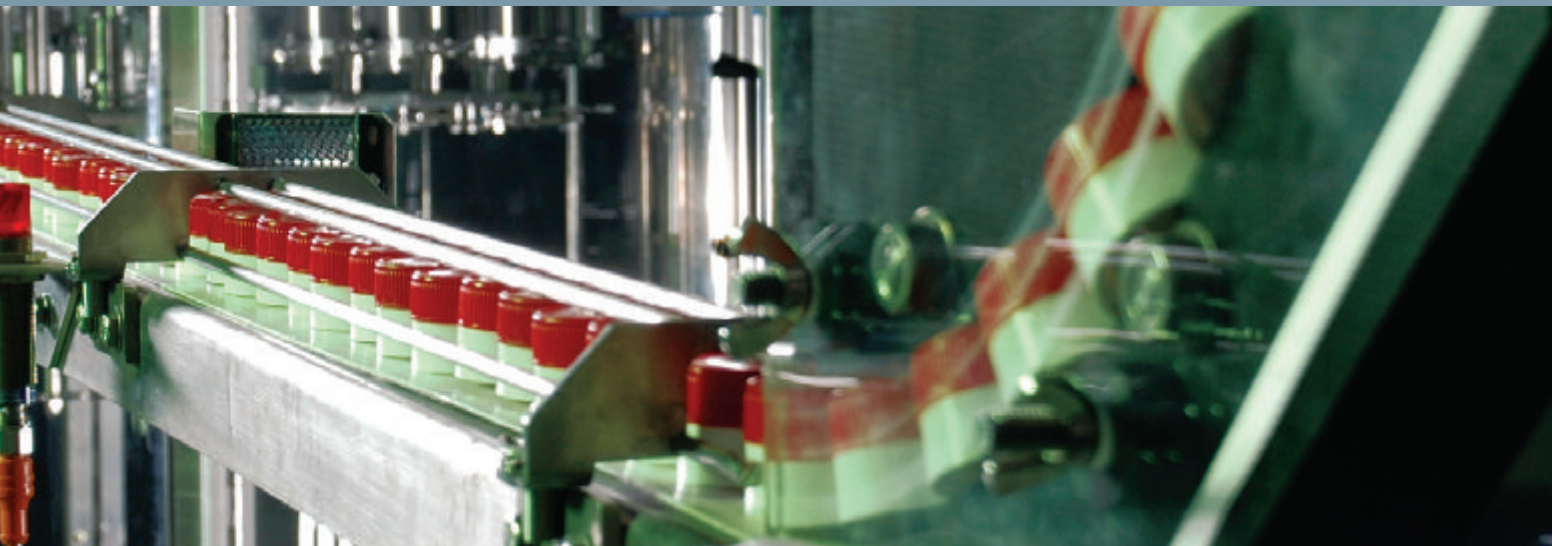
Stock Product and Cross Reference

The listed twist-to-release units are just a selection of stocked product. Please consult your Siemens account manager for a complete list of stocked product.

CHROME Twist-to-Release Pushbuttons, 30mm (2-Pos, Maintained)

Catalog ID	Color	Illuminated	Head Type	Power Module	Lamp	Contacts
52PR8ERA	Red	Illum	1 3/4" Plastic	Full Voltage - 120 V	Incandescent Bulb	1NO-1NC
52PR8ERAB	Red	Illum	1 3/4" Plastic	Full Voltage - 120 V	Single LED	1NO-1NC
52PR8DRA	Red	Illum	1 3/4" Plastic	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52PR8DRAB	Red	Illum	1 3/4" Plastic	Full Voltage - 24 V	Single LED	1NO-1NC
52PR8MRA	Red	Illum	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NO-1NC
52PR8LRA	Red	Illum	1 3/4" Plastic	LED Module - 24 V	Integrated LED	1NO-1NC
52PR8NRA	Red	Illum	1 3/4" Plastic	LED Module - 240 V	Integrated LED	1NO-1NC
52PR8GRA	Red	Illum	1 3/4" Plastic	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52PR8GRAB	Red	Illum	1 3/4" Plastic	Transformer - 120 V	Single LED	1NO-1NC
52PR8HRA	Red	Illum	1 3/4" Plastic	Transformer - 240 V	Incandescent Bulb	1NO-1NC
52PR8HRAB	Red	Illum	1 3/4" Plastic	Transformer - 240 V	Single LED	1NO-1NC
52PR8W2	Red	No-Illum	1 3/4" Plastic			
52PR8W2A	Red	No-Illum	1 3/4" Plastic			1NO-1NC

BLACKMAX Twist-to-Release Pushbuttons, 30mm (2-Pos, Maintained)

Catalog ID	Color	Illuminated	Head Type	Power Module	Lamp	Contacts
52BR8DRA	Red	Illum	1 3/4" Plastic	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52BR8DRAB	Red	Illum	1 3/4" Plastic	Full Voltage - 24 V	Single LED	1NO-1NC
52BR8ERA	Red	Illum	1 3/4" Plastic	Full Voltage - 120 V	Incandescent Bulb	1NO-1NC
52BR8ERAB	Red	Illum	1 3/4" Plastic	Full Voltage - 120 V	Single LED	1NO-1NC
52BR8LRA	Red	Illum	1 3/4" Plastic	LED Module - 24 V	Integrated LED	1NO-1NC
52BR8MRA	Red	Illum	1 3/4" Plastic	LED Module - 120 V	Integrated LED	1NO-1NC
52BR8NRA	Red	Illum	1 3/4" Plastic	LED Module - 240 V	Integrated LED	1NO-1NC
52BR8GRA	Red	Illum	1 3/4" Plastic	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52BR8GRAB	Red	Illum	1 3/4" Plastic	Transformer - 120 V	Single LED	1NO-1NC
52BR8HRA	Red	Illum	1 3/4" Plastic	Transformer - 240 V	Incandescent Bulb	1NO-1NC
52BR8HRAB	Red	Illum	1 3/4" Plastic	Transformer - 240 V	Single LED	1NO-1NC
52BR8W2	Red	No-Illum	1 3/4" Plastic			
52BR8W2A	Red	No-Illum	1 3/4" Plastic			1NO-1NC

Stock product is subject to availability. This list may change at anytime without notice.

Push-to-Test / Illuminated Pushbuttons

Ordering Guide : Push-to-Test Units

Example:

52PT6G3A
- Push-to-Test Illum PB, 30mm
- Chrome
- Momentary
- Green, Illuminated
- Plastic Lens
- Transformer, 120V
- Incandescent Bulb
- 1NO-1NC

52BT6D3AB
- Push-to-Test Illum PB, 30mm
- BlackMax
- Momentary
- Green, Illuminated
- Plastic Lens
- Full Voltage, 24V
- Single LED
- 1NO-1NC

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	T	6	G	3	A

Use the selection information below to build your push-to-test unit catalog number. Please contact your Siemens account manager for further ordering details.

Selection

(1)
Class
52 30mm
(Oil Tight Products)

(2)
Finish
P Chrome
B BlackMax - NEMA 4X

(3)
Product Type
T Push-to-test / Illuminated Pushbutton

(4)
Style
6 Plastic Lens

Selection

(5)
Operation
Full voltage
B 6 - 8V AC/DC
C 12 - 13V AC/DC
D 24 - 28V AC/DC
E 120V AC/DC

Transformer
G 120V AC
H 240V AC
J 480V AC
K 600V AC

LED Module
L 24V AC/DC
M 120V AC
N 240V AC

Lighting Placeholder
X No lighting module[1]

(6)
Color
2 Red
3 Green
5 Blue
9 Amber
A Clear
B White
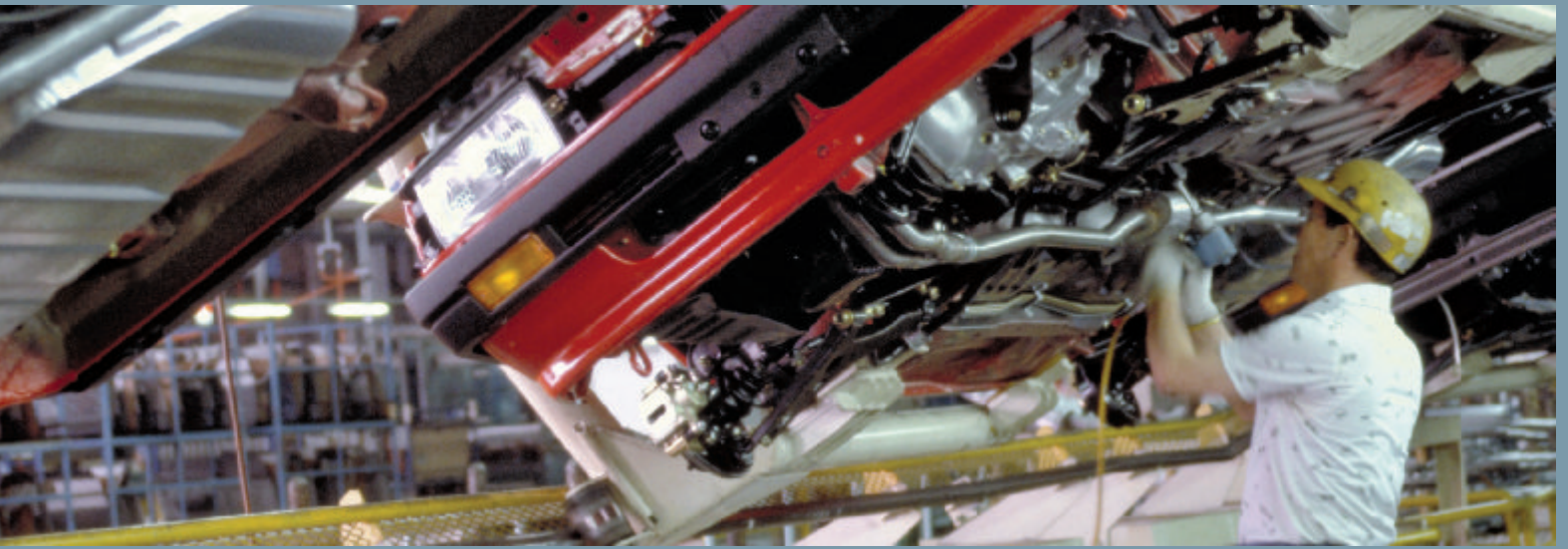**N** No lens

(7)
Optional: LED, Contact Blocks and/or Guards
A 1 NO - 1 NC (1-52BJK)
AB 1 NO - 1 NC (1-52BJK) and LED Single Bulb[2]
AV 1 NO - 1 NC (1-52BJK) and Guarded
XB LED Single Bulb[2]
XV Guarded

Default is incandescent bulb.

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

[1] Lighting module accessory kits can be ordered on page 31. When using LED, lens and LED bulb must match.
[2] This option cannot be selected when using 12-13V Full Voltage or LED Module. All LED Modules utilize a single LED bulb. When selecting this in combination with 120V Full Voltage, only AC voltage can be used.

Stock Product and Cross Reference

The following section is a cross-reference of our pre-2009 generation and new generation of push-to-test/illuminated pushbuttons.

The listed push-to-test/illuminated pushbuttons are just a selection of stockedproduct. Please consult your Siemens account manager for a complete cross-reference and list of stocked product.

CHROME Push-to-Test and Illuminated Pushbuttons, 30mm (Momentary)

New Catalog ID	Old Catalog ID	Color	Head Type	Power Module	Lamp	Contacts
52PT6D2A	52PA6D2A	Red	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52PT6D2AB	52PE6D2A	Red	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52PT6G2A	52PA6G2A	Red	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52PT6G2AB	52PE6G2A	Red	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52PT6D3A	52PA6D3A	Green	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52PT6D3AB	52PE6D3A	Green	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52PT6G3A	52PA6G3A	Green	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52PT6G3AB	52PE6G3A	Green	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52PT6G5A	52PA6G5A	Blue	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52PT6D9A	52PA6D9A	Amber	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52PT6D9AB	52PE6D9A	Amber	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52PT6G9A	52PA6G9A	Amber	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52PT6G9AB	52PE6G9A	Amber	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52PT6DAAB	52PE6DAA	Clear	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52PT6DBA	52PA6DBA	White	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52PT6DBAB	52PE6DBA	White	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52PT6GBA	52PA6GBA	White	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52PT6GBAB	52PE6GBA	White	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52PT6DNA	52PA6DNA	No Lens	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52PT6GNA	52PA6GNA	No Lens	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC

Stock product is subject to availability. This list may change at anytime without notice.

BLACKMAX Push-to-Test and Illuminated Pushbuttons, 30mm (Momentary)

New Catalog ID	Old Catalog ID	Color	Head Type	Power Module	Lamp	Contacts
52BT6D2A	52PX6D2A	Red	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52BT6G2A	52PX6G2A	Red	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52BT6G2AB	52PX6G2AY	Red	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52BT6D3A	52PX6D3A	Green	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52BT6D3AB	52PX6D3AY	Green	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52BT6G3A	52PX6G3A	Green	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52BT6G3AB	52PX6G3AY	Green	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52BT6D5AB	52PX6D5AY	Blue	Plastic Lens	Full Voltage - 24 V	Single LED	1NO-1NC
52BT6G9A	52PX6G9A	Amber	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52BT6G9AB	52PX6G9AY	Amber	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52BT6DBA	52PX6DBA	White	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52BT6GBA	52PX6GBA	White	Plastic Lens	Transformer - 120 V	Incandescent Bulb	1NO-1NC
52BT6GBAB	52PX6GBAY	White	Plastic Lens	Transformer - 120 V	Single LED	1NO-1NC
52BT6BNA	52PX6BNA	No Lens	Plastic Lens	Full Voltage - 6 V	Incandescent Bulb	1NO-1NC
52BT6DNA	52PX6DNA	No Lens	Plastic Lens	Full Voltage - 24 V	Incandescent Bulb	1NO-1NC
52BT6GNA	52PX6GNA	No Lens	Plastic Lens	Transformer - 24 V	Incandescent Bulb	1NO-1NC

Stock product is subject to availability. This list may change at anytime without notice.

Basic Pushbuttons

Ordering Guide: Basic Pushbuttons

Example:

52PA8A1K
- Pushbutton, 30mm
- Chrome
- 2-Pos, Momentary
- Black, Non-illuminated
- Flush
- 1 NO

52PX8B2J
- Pushbutton, 30mm
- BlackMax
- 2-Pos, Momentary
- Red, Non-illuminated
- Extended
- 1 NC

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	A	8	A	1	K

Use the selection information below to build your basic pushbutton catalog number. Please contact your Siemens account manager for further ordering details.

Selection

(1)
Class
52 30mm
(Oil Tight Products)

(2)
Product Type
P Pushbuttons

(3)
Finish
A Chrome
X BlackMax - NEMA 4X

(4)
Function
8 2 Pos: Momentary

Selection

(5)
Head Type
A Flush
B Raised
C Step raised

(6)
Color
1 Black
2 Red
3 Green
4 Yellow
5 Blue
6 Gray
8 Orange

(7)
Optional: Contact Blocks
A 1 NO - 1 NC (1-52BJK)
B 2 NO - 2 NC (2-52BJK)
F 2 NO (2-52BAK)
G 2 NC (2-52BAJ)
J 1 NC (1-52BAJ)
K 1 NO (1-52BAK)

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

Basic Pushbuttons

Stock Product

The listed basic pushbuttons are just a selection of stocked product. Please consult your Siemens account manager for a complete list of stocked product.

CHROME 2-Pos Basic Pushbuttons, 30mm (Momentary)

Catalog ID	Color	Head Type	Contacts
52PA8B1	Black	Extended	
52PA8B1K	Black	Extended	1NO
52PA8A1	Black	Flush	
52PA8A1J	Black	Flush	1NC
52PA8A1K	Black	Flush	1NO
52PA8A1A	Black	Flush	1NO-1NC
52PA8B2	Red	Extended	
52PA8B2J	Red	Extended	1NC
52PA8B2K	Red	Extended	1NO
52PA8B2A	Red	Extended	1NO-1NC
52PA8A2	Red	Flush	
52PA8A2J	Red	Flush	1NC
52PA8A2K	Red	Flush	1NO
52PA8A2A	Red	Flush	1NO-1NC
52PA8B3	Green	Extended	
52PA8B3K	Green	Extended	1NO
52PA8A3	Green	Flush	
52PA8A3K	Green	Flush	1NO
52PA8A3A	Green	Flush	1NO-1NC
52PA8A4	Yellow	Flush	
52PA8A5	Blue	Flush	
52PA8A6	Gray	Flush	
52PA8	No Lens		

Stock product is subject to availability. This list may change at anytime without notice.

BLACKMAX 2-Pos Basic Pushbuttons, 30mm

Catalog ID	Color	Head Type	Contacts
52PX8B2	Red	Extended	
52PX8B2J	Red	Extended	1NC
52PX8A2	Red	Flush	
52PX8A2J	Red	Flush	1NC
52PX8A2K	Red	Flush	1NO
52PX8A2A	Red	Flush	1NO-1NC
52PX8A1	Black	Flush	
52PX8A1K	Black	Flush	1NO
52PX8A1A	Black	Flush	1NO-1NC
52PX8A3	Green	Flush	
52PX8A3K	Green	Flush	1NO
52PX8A3A	Green	Flush	1NO-1NC
52PX8	No Lens		

Stock product is subject to availability. This list may change at anytime without notice.

Mushroom Head Pushbuttons

Ordering Guide: Mushroom Head Pushbuttons

Example:

52PX9E3K
- Mushroom Head
  Pushbutton, 30mm
- BlackMax
- 2-Pos, Momentary
- Green, Non-illuminated
- 2 1/2" Plastic
- 1NO

52PB9D2
- Mushroom Head
  Pushbutton, 30mm
- Chrome
- 2-Pos, Momentary
- Red, Non-illuminated
- 1 5/8" Plastic

Selection	1	2	3	4	5	6	7
Catalog Number	52	P	X	9	E	3	K

Use the selection information below to build your basic mushroom head pushbutton catalog number. Please contact your Siemens account manager for further ordering details.

Selection

(1)
Class
52 30mm
(Oil Tight Products)

(2)
Product Type
P Mushroom Head
Pushbuttons

(3)
Model
B Chrome
X BlackMax - Nema 4X

(4)
Function
9 2 Pos: Momentary

Selection

(5)
Style
D Small Plastic, 1 5/8"
E Large Plastic, 2 1/2"

(6)
Color
1 Black
2 Red
3 Green
4 Yellow
5 Blue
6 Gray
8 Orange

(7)
Optional: Contact Blocks
A 1 NO - 1 NC (1-52BJK)
B 2 NO - 2 NC (2-52BJK)
F 2 NO (2-52BAK)
G 2 NC (2-52BAJ)
J 1 NC (1-52BAJ)
K 1 NO (1-52BAK)

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

Stock Product

The listed basic mushroom pushbuttons are just a selection of stocked product. Please consult your Siemens account manager for a complete list of stocked product.
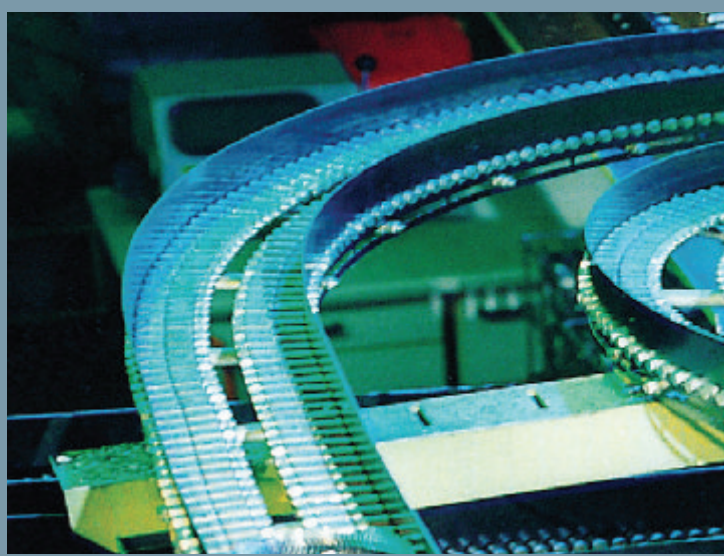
CHROME 2-Pos Basic Mushroom Pushbuttons, 30mm (Momentary)

Catalog ID	Color	Head Type	Contacts
52PB9D1	Black	1 5/8" Plastic	
52PB9D2	Red	1 5/8" Plastic	
52PB9D2J	Red	1 5/8" Plastic	1NC
52PB9D2K	Red	1 5/8" Plastic	1NO
52PB9D2A	Red	1 5/8" Plastic	1NO-1NC
52PB9E2	Red	2 1/2" Plastic	
52PB9E2J	Red	2 1/2" Plastic	1NC
52PB9E2K	Red	2 1/2" Plastic	1NO
52PB9D3	Green	1 5/8" Plastic	
52PB9E3	Green	2 1/2" Plastic	
52PB9D4	Yellow	1 5/8" Plastic	
52PB9	No Lens		

BLACKMAX 2-Pos Basic Mushroom Pushbuttons, 30mm (Momentary)

Catalog ID	Color	Head Type
52PX9D2	Red	1 5/8" Plastic
52PX9	No Head/Lens	

Stock product is subject to availability. This list may change at anytime without notice.

Keyed Selector Switches

Ordering Guide: Keyed Selector Switches

Use the selection information below to build your keyed selector switch catalog number. Please contact your Siemens account manager for further ordering details.

Example:

52SC6AFK1

- Keyed Selector Switch, 30mm
- Chrome, Standard
- 2-Pos, Maintained
- Key removal in left position
- Cam A
- 1 NC

52SC5BEX300

- Keyed Selector Switch, 30mm
- Chrome, Non-standard key
- 3-Pos, Maintained
- Key removal in all positions
- Cam B
- Lock/key number 548CH

Selection	1	2	3	4	5	6	7
Catalog Number	52	S	C	6	A	F	K1

Selection (1)
Class
52 Pushbutton (Oil TIght)

(2)
Type
S Keyed Selector Switch

(3)
Model
C Chrome

(4)
Style
5 Non-standard Lock/Key [1]
6 Standard Lock/Key

Selection (5)
Cam
A 2 Pos: CAM A
B 3 Pos: CAM B
C 3 Pos: CAM C
D 3 Pos: CAM D
E 3 Pos: CAM E
G 3 Pos: CAM G
H 4 Pos: CAM H

Please see page 29 for Cam selection

(6)
Lock Type
2 Position
E Maintained, removal in both positions
F Maintained, removal in left
G Maintained, removal in right
X Spring return from right, lock left

3 Position
E Maintained, removal in all positions
F Maintained, removal in left
G Maintained, removal in right
H Maintained, removal in center
J Maintained, removal in left and right
K Maintained, removal in left and center
M Maintained, removal in right and center
T Spring return from left, lock center
U Spring return from right, lock center
V Spring return from left and right, lock center
W Spring return from left, lock right
Y Spring return from left, lock center and right
Z Spring return from right, lock left and center

4 Position
E Maintained, removal in all positions
F Maintained, removal in left
G Maintained, removal in right

(7)
**Optional: Contact Blocks and Mounting Positions**
A0 1 NO - 1 NC (1-52BJK)
Mounted on left
A1 1 NO - 1 NC (1-52BJK)
Mounted on right
A2 2 NO - 2 NC (2-52BJK)
Mounted one left and one right
J0 1 NC (1-52BAJ)
Mounted on left
J1 1 NC (1-52BAJ)
Mounted on right
J2 2 NC (2-52BAJ)
Mounted one left & one right
J2K1 2NC - 1 NO (2-52BAJ and 1-52BAK)
Mounted one left (52BAJ) and one right (52BAK)
K0 1 NO (1-52BAK)
Mounted on left
K1 1 NC (1-52BAK)
Mounted on right
K2 2 NC (2-52BAK)
Mounted one left & one right

Additional contact block combination arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

See table at top of page 34 for contact block position.

---

[1] Please append X___ to the end of the catalog number to specify which non-standard lock/key to use. For example, append X299 to get lock/key number 549CH.
X298 = 550CH
X299 = 549CH
X300 = 548CH
X301 = 547CH
X302 = 546CH
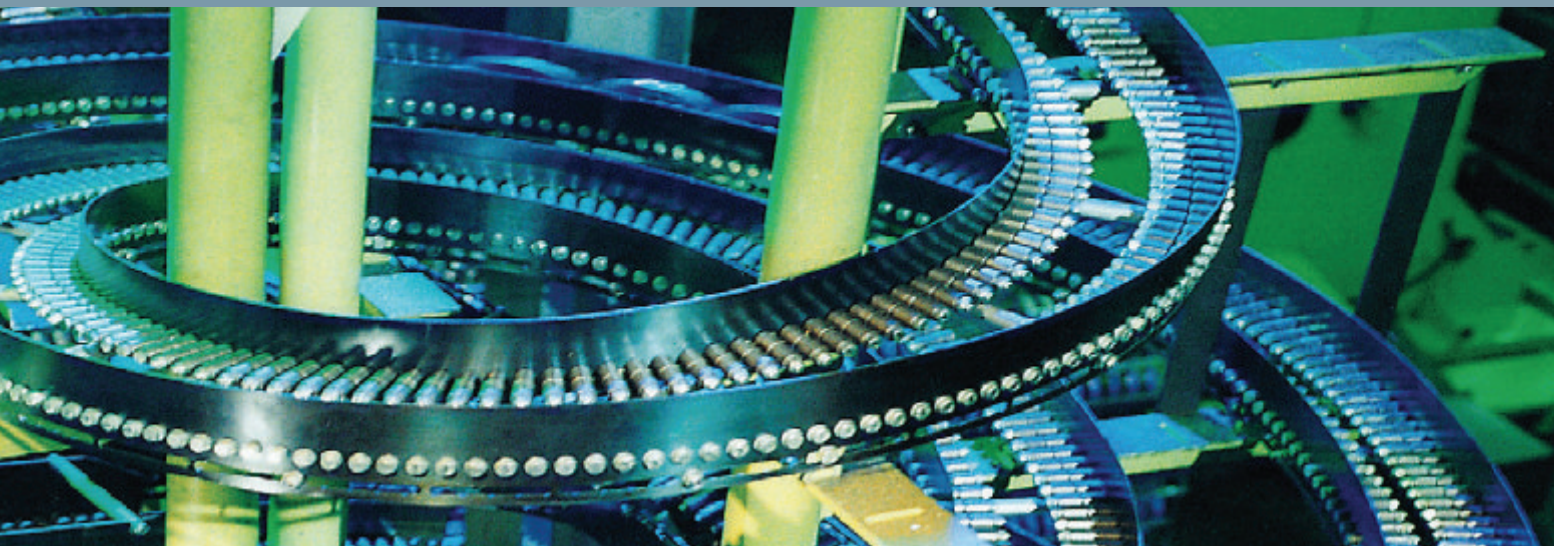
Stock Product

The listed keyed selector switches are just a selection of stocked product. Please consult your Siemens accountmanager for a complete list of stocked product.

CHROME Keyed Selector Switches, 30mm

Catalog ID	Pos / Funct	Cam	Key Removal	Key Type	Contacts
52SC6AE	2-Pos, Maintained	A-Cam	All	501CH	
52SC6AF	2-Pos, Maintained	A-Cam	Left	501CH	
52SC6AFK1	2-Pos, Maintained	A-Cam	Left	501CH	1NO (left)
52SC6AX	2-Pos, Spring Return From Right	A-Cam	Left	501CH	
52SC6BE	3-Pos, Maintained	B-Cam	All	501CH	
52SC6BH	3-Pos, Maintained	B-Cam	Center	501CH	
52SC6CE	3-Pos, Maintained	C-Cam	All	501CH	
52SC6BV	3-Pos, Spring Return From Left and Right	B-Cam	Center	501CH	
52SC6HG	4-Pos, Maintained	H-Cam	Right	501CH	

Stock product is subject to availability. This list may change at anytime without notice.

23

Illuminated Selector Switches

Ordering Guide: Illuminated Selector Switches

Example:

52SA7CDN
- Illuminated Selector Switch 30mm
- Chrome
- 3-Position, Maintained
- Full Voltage - 24V
- Incandescent Bulb
- Cam C

52SA7BC3
- Illuminated Selector Switch 30mm
- Chrome
- 3-Position, Maintained
- Full Voltage - 12V
- Incandascent Bulb
- Cam B

Selection	1	2	3	4	5	6	7	8
Catalog Number	52	S	A	7	C	D	N	

Use the selection information below to build your Illuminated selector switch catalog number. Please contact your Siemens account manager for further ordering details.

Selection

(1)
Class
52 Pushbutton (Oil Tight)

(2)
Type
S Illuminated Selector Switch

(3)
Finish
A Chrome
B BlackMax

(4)
Description
7 Maintained

(5)
CAM
A 2 Pos: CAM A
B 3 Pos: CAM B
C 3 Pos: CAM C

Please see page 29 for CAM selection.

Selection

(6)
Operation
Full voltage
B 6 - 8V AC/DC
C 12 - 13V AC/DC
D 24 - 28V AC/DC
E 120V AC/DC

Transformer
G 120V AC
H 240V AC
J 480V AC
K 600V AC

(7)
Color
2 Red
3 Green
5 Blue
9 Amber
A Clear
N No Lens

(8)
Optional[1]
Mounted on Left (CAM A and C)
A0 1 NO - 1 NC (1-52BJK)
A3 2 NO - 2 NC (2-52BJK)
J0 1 NC (1-52BAJ)
J3 2 NC (2-52BAJ)
K0 1 NO (1-52BAK)
K3 2 NO (2-52BAK)

Mounted on Right (CAM B)
A2 1 NO - 1 NC (1-52BJK)
A4 2 NO - 2 NC (2-52BJK)
J2 1 NC (1-52BAJ)
J4 2 NC (2-52BAJ)
K2 1 NO (1-52BAK)
K4 2 NO (2-52BAK)

Additional contact block arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

See table at top of page 34 for contact block position.

---

[1] CAM A and CAM C have the light illumination assembly on the right, so contact blocks must be mounted on the left. CAM B has the light illumination assembly on the left, so contact blocks must be mounted on the right.

Stock Product

The listed illuminated selector switches are just a selection of stocked product. Please consult your Siemens account manager for a complete list of stocked product.

CHROME Illuminated Selector Switches, 30mm

Catalog ID	Pos / Func	Power Module	Lamp	Cam
52SA7AGN	2-Pos, Maintained	Transformer - 120 V	Incandescent Bulb	Cam A
52SA7CDN	3-Pos, Maintained	Full Voltage - 24 V	Incandescent Bulb	Cam C

Stock product is subject to availability. This list may change at anytime without notice.

Non-Illuminated Selector Switches

Ordering Guide: Non-Illuminated Selector Switches

52SW2AAB
- Selector Switch, 30mm
- BlackMax, Long Lever
- 2-Pos, Maintained
- White Insert
- CAM A

52SA2AABA1
- Selector Switch, 30mm
- Chrome, Short Lever
- 2-Pos, Maintained
- White Insert
- CAM A
- 1NO-1NC

Selection	1	2	3	4	5	6	7	8
Catalog Number	52	S	W	2	A	A	B	

Use the selection information below to build your non-illuminated selector switch catalog number. Please contact your Siemens account manager for further ordering details.

Selection (1)
Class
52 Pushbutton (Oil TIght)

(2)
Product Type
S Selector Switch

(3)
Model
A Chrome, short lever
B Chrome, long lever
X BlackMax - NEMA 4X short lever
W BlackMax - NEMA 4X long lever

(4)
Style
2 Non-Illuminated

(5)
CAM
A 2 Pos: CAM A
B 3 Pos: CAM B
C 3 Pos: CAM C
D 3 Pos: CAM D
E 3 Pos: CAM E
G 3 Pos: CAM G
H 4 Pos: CAM H

Please see page 34 for CAM selection.

Selection (6)
Description
2 Position
A Maintained all positions
C Spring return from left

3 Position
A Maintained all positions
B Spring Return from left
C Spring Return from right
D Spring Return from left & right

4 Position
A Maintained all positions

(7)
Color
2 Red
3 Green
4 Yellow
**B** White
N No lens/head

(8)
Optional: Contact Blocks and Mounting Positions
A0 1 NO - 1 NC (1-52BJK) Mounted on left
A1 1 NO - 1 NC (1-52BJK) Mounted on right
A2 2 NO - 2 NC (2-52BJK) Mounted one left and one right
J0 1 NC (1-52BAJ) Mounted on left
J1 1 NC (1-52BAJ) Mounted on right
J2 2 NC (2-52BAJ) Mounted one left & one right
J2K1 2NC - 1 NO (2-52BAJ & 1-52BAK) Mounted one left (52BAJ) & one right (52BAK)
K0 1 NO (1-52BAK) Mounted on left
K1 1 NC (1-52BAK) Mounted on right
K2 2 NC (2-52BAK) Mounted one left and one right

Additional contact block combination arrangements are available upon request. See contact block table on page 32 for a complete list of contact block offerings.

See table at top of page 34 for contact block position.
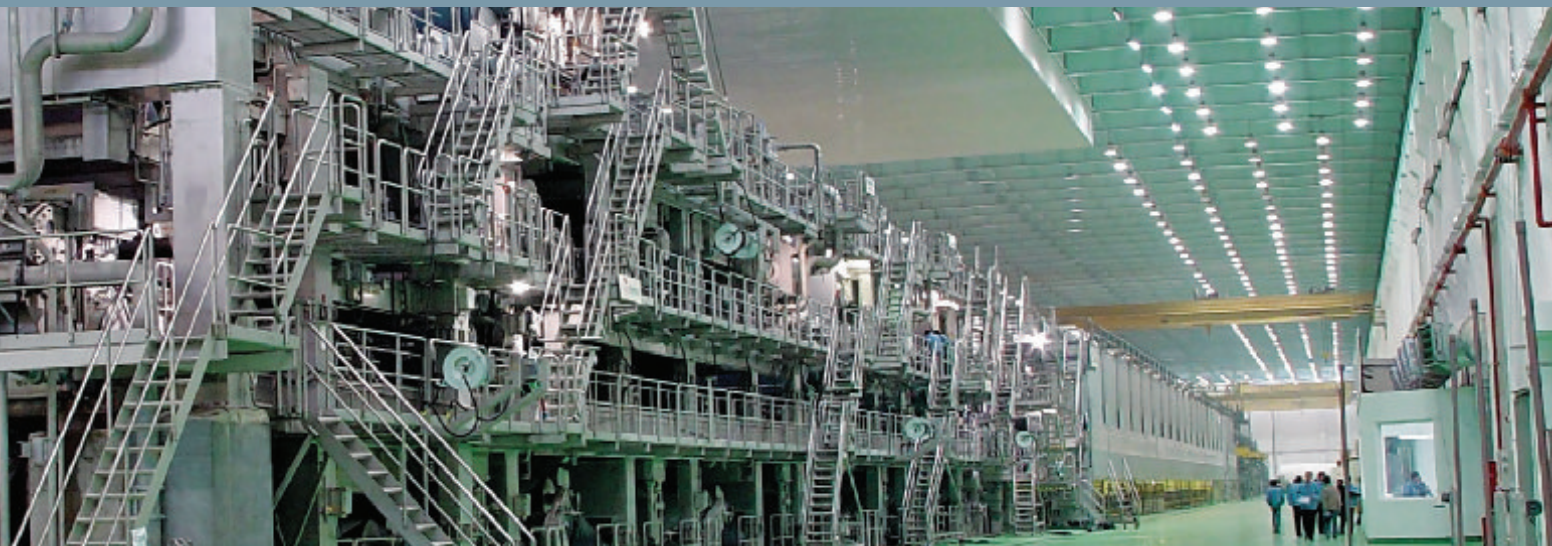
Stock Product

The listed selector switches are just a selection of stocked product. Please consult your Siemens account manager for a complete list of stocked product.

CHROME Selector Switches, 30mm

Catalog ID	Positions	Function	Color	Head Type	Cam	Contacts
52SB2AAB	2-Pos	Maintained	White Insert	Long Lever	A-Cam	
52SB2AABA1	2-Pos	Maintained	White Insert	Long Lever	A-Cam	1NO-1NC
52SA2AAB	2-Pos	Maintained	White Insert	Short Lever	A-Cam	
52SA2AABK0	2-Pos	Maintained	White Insert	Short Lever	A-Cam	1NO
52SA2AABK1	2-Pos	Maintained	White Insert	Short Lever	A-Cam	1NO
52SA2AABA1	2-Pos	Maintained	White Insert	Short Lever	A-Cam	1NO-1NC
52SA2AA4	2-Pos	Maintained	Yellow Insert	Short Lever	A-Cam	
52SB2ACB	2-Pos	Spring Return From Right	White Insert	Long Lever	A-Cam	
52SA2ACB	2-Pos	Spring Return From Right	White Insert	Short Lever	A-Cam	
52SA2ACBK1	2-Pos	Spring Return From Right	White Insert	Short Lever	A-Cam	1NO
52SB2BAB	3-Pos	Maintained	White Insert	Long Lever	B-Cam	
52SB2CAB	3-Pos	Maintained	White Insert	Long Lever	C-Cam	
52SB2CABA1	3-Pos	Maintained	White Insert	Long Lever	C-Cam	1NO-1NC
52SB2GAB	3-Pos	Maintained	White Insert	Long Lever	G-Cam	
52SA2BAB	3-Pos	Maintained	White Insert	Short Lever	B-Cam	
52SA2CAB	3-Pos	Maintained	White Insert	Short Lever	C-Cam	
52SA2CABA1	3-Pos	Maintained	White Insert	Short Lever	C-Cam	1NO-1NC
52SA2CABA2	3-Pos	Maintained	White Insert	Short Lever	C-Cam	1NO-1NC
52SA2GAB	3-Pos	Maintained	White Insert	Short Lever	G-Cam	
52SB2CBB	3-Pos	Spring Return From Left	White Insert	Long Lever	C-Cam	
52SA2BBB	3-Pos	Spring Return From Left	White Insert	Short Lever	B-Cam	
52SA2CBB	3-Pos	Spring Return From Left	White Insert	Short Lever	C-Cam	
52SB2BDB	3-Pos	Spring Return From Left and Right	White Insert	Long Lever	B-Cam	
52SB2CDB	3-Pos	Spring Return From Left and Right	White Insert	Long Lever	C-Cam	
52SA2BDB	3-Pos	Spring Return From Left and Right	White Insert	Short Lever	B-Cam	
52SA2CDB	3-Pos	Spring Return From Left and Right	White Insert	Short Lever	C-Cam	
52SA2CDBA1	3-Pos	Spring Return From Left and Right	White Insert	Short Lever	C-Cam	1NO-1NC
52SA2CDBA2	3-Pos	Spring Return From Left and Right	White Insert	Short Lever	C-Cam	1NO-1NC
52SA2BD4K2	3-Pos	Spring Return From Left and Right	Yellow Insert	Short Lever	B-Cam	1NO
52SB2CCB	3-Pos	Spring Return From Right	White Insert	Long Lever	C-Cam	
52SA2BCB	3-Pos	Spring Return From Right	White Insert	Short Lever	B-Cam	
52SB2HAB	4-Pos	Maintained	White Insert	Long Lever	H-Cam	
52SA2HAB	4-Pos	Maintained	White Insert	Short Lever	H-Cam	

Stock product is subject to availability. This list may change at anytime without notice.

BlackMax Selector Switches, 30mm

Catalog ID	Positions	Function	Color	Head Type	Cam	Contacts
52SW2AAB	2-Pos	Maintained	White Insert	Long Lever	A-Cam	
52SW2AABA1	2-Pos	Maintained	White Insert	Long Lever	A-Cam	1NO-1NC
52SW2BAB	3-Pos	Maintained	White Insert	Long Lever	B-Cam	
52SW2CAB	3-Pos	Maintained	White Insert	Long Lever	C-Cam	
52SW2CABA1	3-Pos	Maintained	White Insert	Long Lever	C-Cam	1NO-1NC
52SX2AAB	2-Pos	Maintained	White Insert	Short Lever	A-Cam	
52SX2AABK1	2-Pos	Maintained	White Insert	Short Lever	A-Cam	1NO
52SX2BAB	3-Pos	Maintained	White Insert	Short Lever	B-Cam	
52SX2BBB	3-Pos	Spring Return From Left	White Insert	Short Lever	B-Cam	
52SX2BDB	3-Pos	Spring Return From Left and Right	White Insert	Short Lever	B-Cam	
52SX2CAB	3-Pos	Maintained	White Insert	Short Lever	C-Cam	
52SX2CABA1	3-Pos	Maintained	White Insert	Short Lever	C-Cam	1NO-1NC
52SX2CBB	3-Pos	Spring Return From Left	White Insert	Short Lever	C-Cam	

[1] CAM A and CAM C have the light illumination assembly on the right, so contact blocks must be mounted on the left.
CAM B has the light illumination assembly on the left, so contact Blocks must be mounted on the right.

Stock product is subject to availability. This list may change at anytime without notice.

Selector Pushbuttons
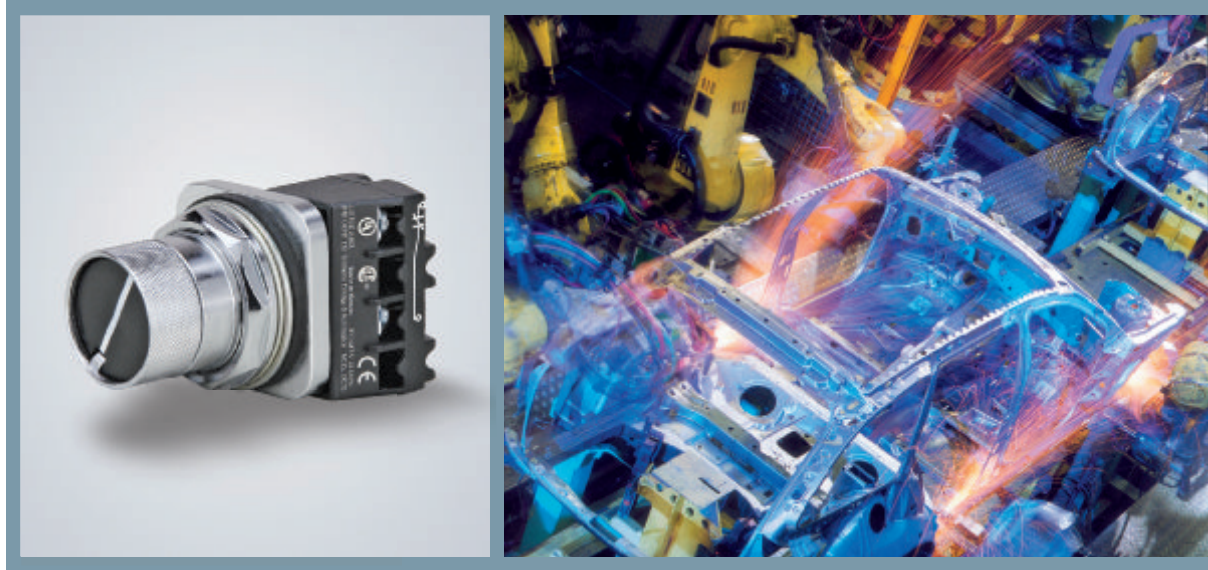
Ordering Guide: Selector Pushbuttons

Example:

52SA3P1
- Selector Pushbutton, 30mm
- Chrome
- 2-Position
- Cam P
- Black

52SA4S1
- Selector Pushbutton, 30mm
- Chrome
- 3-Position
- Cam S
- Black

Selection	1	2	3	4	5	6
Catalog Number	52	S	A	3	P	1

Use the selection information below to build your selector pushbutton catalog number. Please contact your Siemens account manager for further ordering details.

Selection

(1)
Class
52 Pushbutton (Oil TIght)

(2)
Product Type
S Push Selector Switch

(3)
Finish
A Chrome

(4)
Style
3 Flush Button
4 Extended Button

Selection

(5)
CAM
P 2 Pos: CAM P
Q 2 Pos: CAM Q
R 2 Pos: CAM R
S 3 Pos: CAM S

Please see bottom of page 34 for CAM selection.

(6)
Color
1 Black
2 Red

Stock Product

The listed selector pushbuttons are just a selection of stocked product. Please consult your Siemens accountmanager for a complete list of stocked product.

Catalog ID	Pos ition	Function	Color	Head Type	Cam
52SA3Q1	2-Pos	Momentary	Black	Flush	Q-Cam

Stock product is subject to availability. This list may change at anytime without notice.

Operator Specific Accessories

Pushbuttons

		Flush and Extended Buttons Non-Illum PB	Mushroom Head (Ext.) Plastic / Non-Illum PB	Mushroon Head (Ext.) Metal / Non-Illum PB	Button Lens Push-to Test / Illum PB
Black	●	52RA1□1	52RB3□1		
Red	●	52RA1□2	52RB3□2	52RB3F2	52RA5P2
Green	●	52RA1□3	52RB3□3	52RB3F3	52RA5P3
Yellow	●	52RA1□4	52RB3□4		
Blue	●	52RA1□5	52RB3□5		52RA5P5
Grey	●	52RA1□6	52RB3□6		
Orange	●	52RA1□8	52RB3□8		
Amber	●				52RA5P9
Clear	○				52RA5PA
White	○				52RA5PB
Chrome Plated				52RB3FC	
Kit (All Avail. Colors)		52RA1□N	52RB3□N		

A Flush   D 1 5/8" Head
F Extended   E 2 1/2" Head

Push-Pull Operators – Mushroom Head

Push-Pull Devices		Plastic / Non-Illum	Plastic / Illum	Metal / Non-Illum	Metal / Illum
Black	●	52RC3□1			
Red	●	52RC3□2	52RC3□R	52RC2F2	52R□3H2
Green	●	52RC3□3	52RC3□S	52RC2F3	52R□3H3
Yellow	●	52RC3□4			
Blue	●	52RC3□5			52R□3H5
Grey	●	52RC3□6			
Orange	●	52RC3□8			
Amber	●		52RC3□T		52R□3H9
Clear	○				52R□3HA
White	○				52R□3HB
Chrome Plated				52RC2FC	
Kit (All Avail. Colors)		52RC3□N			

D 1 3/4" Head   J 1 3/4" Head   B Chrome
E 2 1/2" Head   K 2 1/2" Head   X BlackMax

Twist-to-Release

Twist-to-Release		Plastic / Non-Illum	Plastic / Illum
Red	●	52RC3R 2	52RC3R R
Green	●	52RC3R 3	52RC3R S
Yellow	●	52RC3R 4	
Amber	●		52RC3R T

Operator Specific Accessories

Selector Switches - 2 Position

		Lever Inserts	Lens Kit - Illum (Knob plus Insert)
Red	●	52RA2□2	52RA6P2
Green	●	52RA2□3	52RA6P3
Yellow	●	52RA2□4	
Blue	●	52RA2□5	52RA6P5
Amber	●		52RA6P9
Grey	●	52RA2□6	
Orange	●	52RA2□8	
Clear	○		52RA6PA
White	○	52RA2□B	52RA6PB

A Short Lever
B Long Lever

Pilot Lights

		Lens
Red	●	52RA4□2
Green	●	52RA4□3
Blue	●	52RA4□5
Amber	●	52RA4□9
Clear	○	52RA4□A
White	○	52RA4□B
Kit (All Colors)		52RA□N

S Plastic
T Glass

Lighting Modules Accessory Kit[1]

Full-Voltage		LED	LED Cluster	Incadescent
Red	●	52AAF□2 B	52AAF□2 Y	
Green	●	52AAF□3 B	52AAF□3 Y	
Yellow	●	52AAF□4 B	52AAF□4 Y	
Blue	●	52AAF□5 B		
White	○	52AAF□B B		
Incandescent	○			52AAF□

B 6V	**B** 6V	**B** 6V
D 24V	**D** 24V	**D** 24V
E 120V	**E** 120V	**E** 120V

Transformer		LED	LED Cluster	Incadescent
Red	●	52AAT□2 B	52AAT□2 Y	
Green	●	52AAT□3 B	52AAT□3 Y	
Yellow	●	52AAT□4 B	52AAT□4 Y	
Blue	●	52AAT□5 B		
White	○	52AAT□B B		
Incandescent	○			52AAT□

G 120V	**G** 120V	**G** 120V
H 240V	**H** 240V	**H** 240V
J 480V	**J** 480V	**J** 480V
K 600V	**K** 600V	**K** 600V

LED Module		Single LED
Red	●	52AAT□2
Green	●	52AAT□3
Yellow	●	52AAT□4
Blue	●	52AAT□5
White	○	52AAT□B

L 24 V AC/DC
M 120 V AC
N 240V AC

[1] When using LED, the LED bulb and lens must match. When using incandescent bulb, any color lens may be used.

General Accessories

Contact Blocks

Contact Blocks for All Operators	
52BAK	1 NO
52BAJ	1 NC
52BJK	1 NO + 1 NC
52BAH	1 NO Early Make
52BAE	1 NC Late Break
52BAU	1 NC Extra Late Break
52BAR	1 NO + 1 NC [2]

Demo Panel

Pilot Lights Demo Panel
Orderable in SAP as DP-31

Lamps

		Lamps - LED [3]	Lamps - LED Cluster [3]
Red	●	52AAE□2 [3]	52AAE□2Y [3]
Green	●	52AAE□3	52AAE□3Y
Yellow	●	52AAE□4	52AAE□4Y
Blue	●	52AAE□5	
White	○	52AAE□B	

B	6V UC	B	6V UC
D	24V UC	D	24V UC
E	120V AC	E	120V AC

Lamps - Incandescent	
52AABN	6V, Type 755
52AAABNF	6V, Flashing, Type 267
52AACN	12V, Type 756
52AADN	24V, Type 757

Enclosures
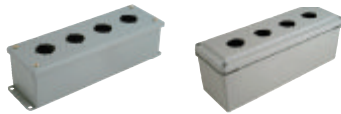
Enclosures		
		# of Holes
P30EMS	□ □ □	
	0 1 _	NEMA 12/13
	0 2 D	NEMA 12/13 Extra Deep
	0 3 4	NEMA 4/4X Stainless Steel
	0 4 4X	NEMA 4/4X Fiberglass
	0 6	
	0 9	
	1 2	
	1 6	

Legend Plate

Legend Plates			
52N□02	Blank	52N□11	On
52N□02R	Blank (red)	52N□40	On-Off-Auto
52N□02B	Blank (black)	52N□17	Open
52N□18	Close	52N□34	Open-Close
52N□10	Down	52N□41	Open-Off-Close
52N□16	Emerg Stop	52N□22	Pull to Start Out
52N□16R	Emerg Stop (red)	52N□47	Push to Stop/Pull to Start
52N□33	Fast-Slow	52N□19	Raise
52N□05	Forward	52N□36	Raise-Lower
52N□38	For-Off-Rev	52N□14	Reset
52N□31	For-Rev	52N□06	Reverse
52N□37	Hand-Off-Auto	52N□23	Run
52N□07	High	52N□29	Run-Jog
52N□30	High-Low	52N□27	Safe-Run
52N□44	High-Off-Low	52N□39	Slow-Off-Fast
52N□21	In	52N□03	Start
52N□13	Jog	52N□28	Start-Jog
52N□24	Jog-Forward	52N□32	Start-Stop
52N□25	Jog-Reverse	52N□04	Stop
52N□08	Low	52N□04R	Stop (red)
52N□20	Lower	52N□09	Up
52N□35	Man-Auto	52N□49	Up-Dow
52N□12	Off	52N□42	Up-Off-Down
52N□26	Off-On		

L Large Metal (1⁷⁄₁₆" x 2")
A Automotive (2⁷⁄₁₆" x 2⁷⁄₁₆")

[1] 52BAR
[2] Hermitically Sealed, UL Listed for Class 1, Division 2, .25A Max., 200V AC, 10 Watt .5A Max., 200V AC, 10 Watt
[3] LED bulb and lens must match

General Accessories

Protective Boot   Pushbutton Guard   Lens Guard

Protective Boots and Guards	
52AABA	Protective Boot: Clear boot that provides protection of ice and foreign substances from interfering with button operation
52AAGP	Pushbutton guard for non-Illuminated pushbuttons (Chrome)
52AXGP	Pushbutton guard for non-Illuminated pushbuttons (BlackMax)
52AAGL	Lens guard for illuminated pushbuttons/push-to-test units and pilot lights (Chrome)
52AXGL	Lens guard for illuminated pushbuttons/push-to-test units and pilot lights (BlackMax)
52AAGM	1 5/8" (41.3mm) mushroom head pushbutton and push-pull operator guard (Chrome)
52AXGM	1 5/8" (41.3mm) mushroom head pushbutton and push-pull operator guard (BlackMax)

Locknut – Pushbutton   Locknut – 1 5/8" Mushroom Head and Pilot Light   Locknut – Push-Pull, Twist-to-Release and Push-to-Test / Illum PB   Locknut – Selector Switch   Lock Wrench

Locknuts (Replacements for Front Ring)	
52AANP	Locknut for Non-Illuminated Pushbutton (Chrome)
52AAXP	Locknut for Non-Illuminated Pushbutton (BlackMax)
52AANL	Locknut for Momentary PB Mushroom Head and Pilot Light (Chrome)
52AXNL	Locknut for Momentary PB Mushroom Head and Pilot Light (BlackMax)
52AANS	Locknut for Selector Switch (Chrome)
52AXNS	Locknut for Selector Switch (BlackMax)
52CANP	Locknut for Push-Pull Units, Twist-to-Release Units, and Push-to-Test / Illum Pushbuttons (Chrome)
52CXNP	Locknut for Push-Pull Units, Twist-to-Release Units, and Push-to-Test / Illum Pushbuttons (BlackMax)
52MAWB	Locknut wrench (all devices)

Padlock Attachment – Flush Pushbutton   Padlock Attachment – Pushbutton, Selector Switch and Non-illuminated Mushroom Head Unit   Padlock Attachment – Illuminated Push-Pull Unit
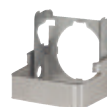
Padlock Attachments	
52AALA	Flush pushbutton operators
52AALB	Extended pushbutton operators
52AALS	Pushbuttons, selector switches, and non-illuminated mushroom head operators
52AALE	Illuminated push-pull operators

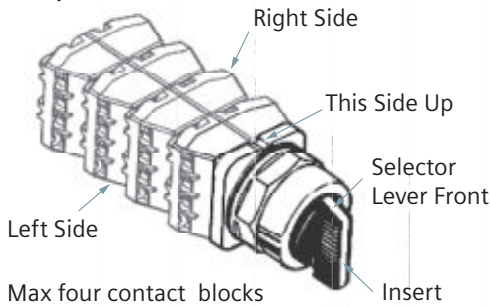Corrosion Resistant Hole Plugs   Grounding Kit

Hole Plugs	
52AAH6	Corrosion resistant
52ABH6	Steel, gray
52ABHS	Stainless steel
52AL109145	Grounding kit (all devices)

Selector Switch and Selector Pushbutton Configurations [1]

1. Determine which table to use based upon the type of selector (non-illum selector switch-top, illum selector switch-middle, and selector pushbutton-bottom).
2. Find the correct number of selector positions (2, 3 or 4 positions).
3. Select the contact operation required for each selector position. X indicates the contacts are closed, while O indicates the contacts are open. (For the selector pushbutton, N=normal and D=depressed).
4. Determine the CAM letter required for the chosen contact operation (only 1 CAM can be used per selector switch or selector pushbutton).
5. Contact blocks must be assembled in the position shown for each circuit application. The mounting position is viewed from the front of the device.

Contact Block Mounting
Example: Non-Illuminated Selector Switch

Right Side

This Side Up

Selector Lever Front

Left Side

Max four contact blocks

Insert

Configuration Examples

Example 1: 3-Pos Maintained Selector Switch
Required Contact Operation: Hand-Off-Auto
Left	Center	Right
X	O	O
O	O	X

CAM Selection: C
Contact Block(s) and Position: 1NO-1NC (mounted either left or right)
Resulting Catalog Number: 52SA2CABA0 (assumed chrome, white short lever, and mounted on left)

Example 2: 3-Pos Illuminated Selector Switch
Required Contact Operation:
Left	Center	Right
O	X	O
O	O	X

CAM Selection: B
Contact Block(s) & Position: 2NO (mounted on right)
Resulting Catalog Number: 52SA7BG5K4 (assumed chrome, 120V transformer, and blue)

Non-Illuminated and Keyed Selector Switches
Viewed from Front

2 Selector Positions Left	Right	Contact Block	CAM	Mounting Left	Right
X	O	NC (52BAJ)	A	● or	●
O	X	NO (52BAK)	A	●	

3 Selector Positions Left	Center	Right	Contact Block	CAM	Mounting Left	Right
X	O	O	NO (52BAK)	B	–	●
O	O	X	NO (52BAK)	B	●	
X	X	O	NC (52BAJ)	B	●	–
O	X	X	NC (52BAJ)	B	–	●
X	O	X	2-NO (2-52BAK)	B	● and	●
O	X	O	NO (52BAK)	B	●	–
X	O	O	NC (52BAJ)	C	● or	●
O	O	X	NO (52BAK)	C	● or	●
O	X	O	NC (52BAJ)	D	● or	●
O	O	X	NO (52BAK)	D	● or	●
X	O	O	NO (52BAK)	E	● or	●
O	X	O	NC (52BAJ)	E	● or	●
X	O	O	NC (52BAJ)	G	●	–
O	X	O	NC (52BAJ)	G	–	●
O	O	X	NO (52BAK)	G	● or	●

4 Selector Positions Left	Left Center	Right Center	Right	Contact Block (s)	CAM	Mounting Left	Right
X	O	O	O	NO (52BAK)	H	●	–
O	X	O	O	NC (52BAJ)	H	●	–
O	O	X	O	NC (52BAJ)	H	–	●
O	O	O	X	NO (52BAK)	H	●	–

Illuminated and Keyed Selector Switches
Viewed from Front

2 Selector Positions Left	Right	Contact Block	CAM	Mounting Left	Right
X	O	NC (52BAJ)	A	●	–
O	X	NO (52BAK)	A	●	–

3 Selector Positions Left	Center	Right	Contact Block	CAM	Mounting Left	Right
O	O	X	NO (52BAK)	B	-	●
O	X	O	NO (52BAK)	B	-	●
X	O	O	NC (52BAJ)	C	●	–
O	O	X	NO (52BAK)	C	●	–

Selector Pushbuttons
Viewed from Front

2 Selector Positions Left N	D	Right N	D	CAM	Mounting Left	Right
X	O	O	O	Q	–	●
X	X	O	O	Q	●	–
O	X	O	X	Q	–	●
O	O	O	X	Q	●	–
X	O	O	O	P	● or	●
O	X	X	X	P	● or	●
X	X	X	O	R	●	–
X	O	X	X	R	–	●
O	X	O	O	R	●	●
O	O	O	X	R	●	–

3 Selector Positions Left N	D	Center N	D	Right N	D	CAM	Mounting Left	Right
X	X	O	O	O	O	S	●	–
X	O	X	X	O	O	S	–	●
O	X	O	O	O	X	S	–	●
O	O	O	X	O	X	S	●	–

General Information

UL and CSA
- UL 508 Industrial Control Equipment
- CSA 22.2 No. 14-05. Industrial Control Equipment

CE Mark
- EN 60947-5-1 Ed. 2.2 (Low-voltage switchgear and control gear – Part 5-1: Control Circuit Devices and Switching Elements – Electromechanical Control Circuit Devices)
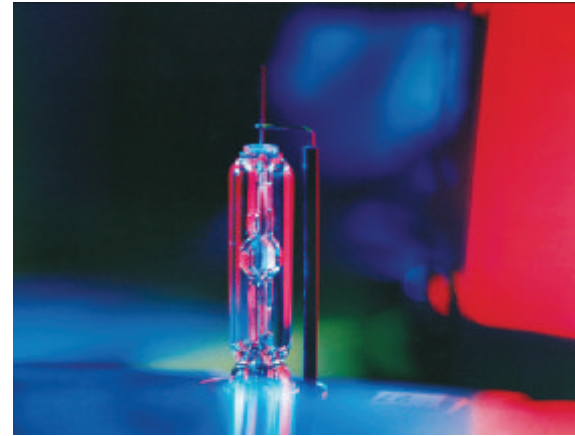
NEMA Types 1, 3, 4, 4X, 12 and 13

IP 10, 11, 14, 52, 54, 56, 57, 67 (front), 20 (back)

IEC 60529

NEMA ICS 5
   Annex F-2002
   High Pressure Power Wash

FAQs

1. **What are the new products and features available for the 30mm pilot devices?**
   a - Previous Generation Improvements:
   - I - Modular Lighting Modules – Enabling easy replacement and ability to order as a kit
   - II - Ribbed Concentric Lens – Increasing light distribution on the Pilot Lights and Push-to-Test units
   - III - Components and features – Enhancing and updating to support our customers with even better designs and aesthetics

   b - New Products
   - I - Integrated LED Modules
   - II - Twist-to-Release
   - III - 3-Position Push-to-Maintained
   - IV - IEC 6094755 Rated E-Stops for European Market (includes red 2-position push-pull and twist-to-release units)

2. **Can I mix new product with the old?**
   a - The main constraint from a product mix perspective is using one generation per grouping. For example, don't mix different generations of Pilot Lights.

3. **Are the components interchangeable between generations?**
   a - For the most part, the answer is no. Components and accessories should be used for a specific generation.

4. **How do I select products for the 30mm Pilot Devices? What cross-reference tools are available?**
   a - Selecting New Generation Products
   - I - 30mm Pilot Devices Brochure (this document)
   - II - 2010 Industrial Controls Catalog - Section 10
   - III - Sielect Online Catalog (http://sielect.sea.siemens.com)

   b - Old Generation Products
   - I - 2006 Industrial Controls Catalog - Section 10
   - II - Accessories can be found in the 2010 Industrial Controls Catalog - Section 10

   c - Cross-Reference Tools
   - I - Sielect Online Catalog (http://sielect.sea.siemens.com) has downloads for cross-reference tools (excel based).
   - II - 30mm Pilot Devices Brochure (this document) contains cross-reference tables of stocked product.
   - III - Pushbutton and Pilot Devices Internet Site has downloads for cross-reference tools (excel based).

5. **What are BlackMax products?**
   a - BlackMax/NEMA4X provides a corrosion resistant epoxy fluorocarbon coating. Examples of the protection include: hydraulic fluid, methyl ethyl ketone, H-D lube oil, and trichloroethlene.

6. **What is the difference between glass and plastic lens?**
   a - Plastic lens provide an attractive ribbed/grooved design. Glass lens provide lenses that are noticeably sleek and are made of a robust durable glass. Glass lens are very aesthetically sharp.

7. **What is an LED Module? What is the key benefit?**
   a - The integrated LED modules are a single unit combining all the features of a LED bulb and lighting module into one. These will have extended life and are the most resistant to vibration.

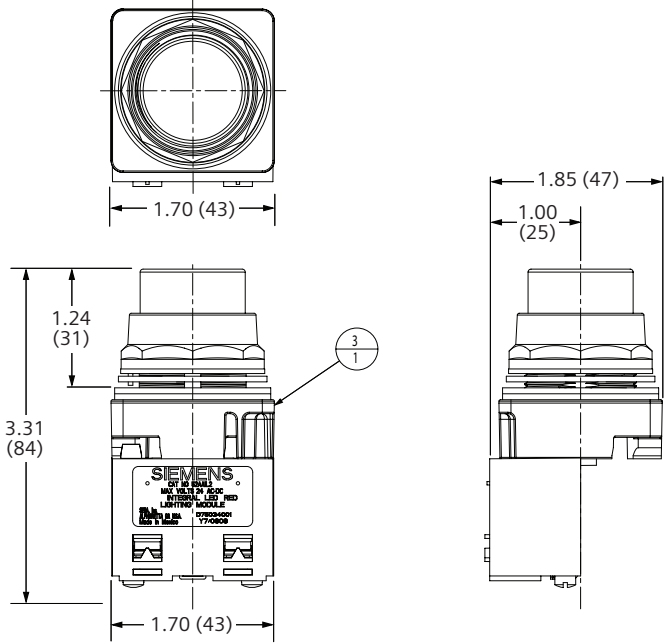8. **Why are stock products listed in the guide with such emphasis?**
   a - Choosing a stock product will generally give the quickest delivery for our Pilot Devices. Therefore, we are making every effort to provide what's available at our Distribution Center.
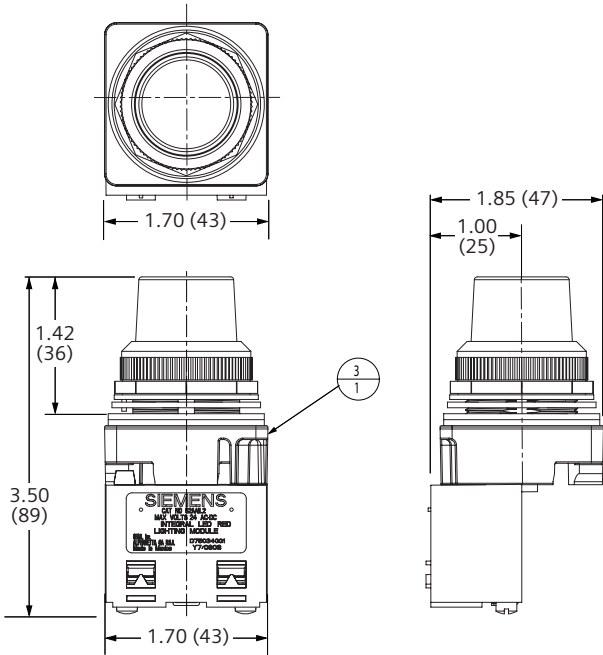
Dimension Drawings

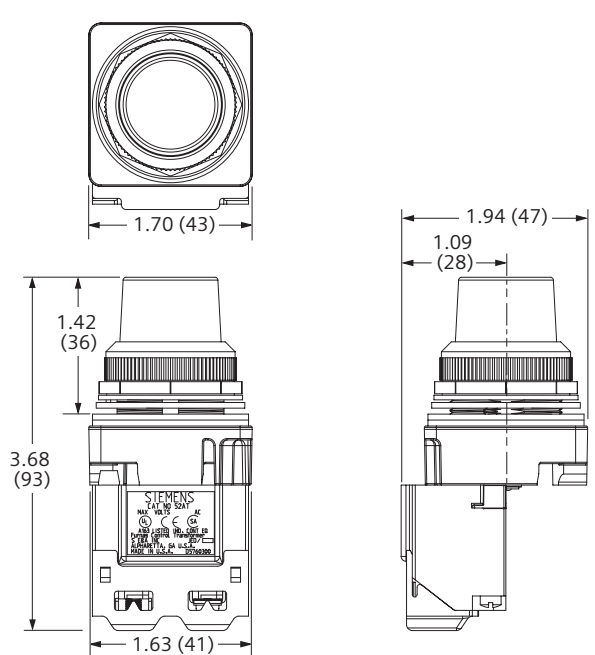**Pilot Light, Plastic Lens, Transformer or Full Voltage,
Lighting Module**

1.70 (43)

1.94 (49)

1.09 (28)

1.24 (31)

3.49 (89)

3 / 1

SIEMENS

1.70 (43)
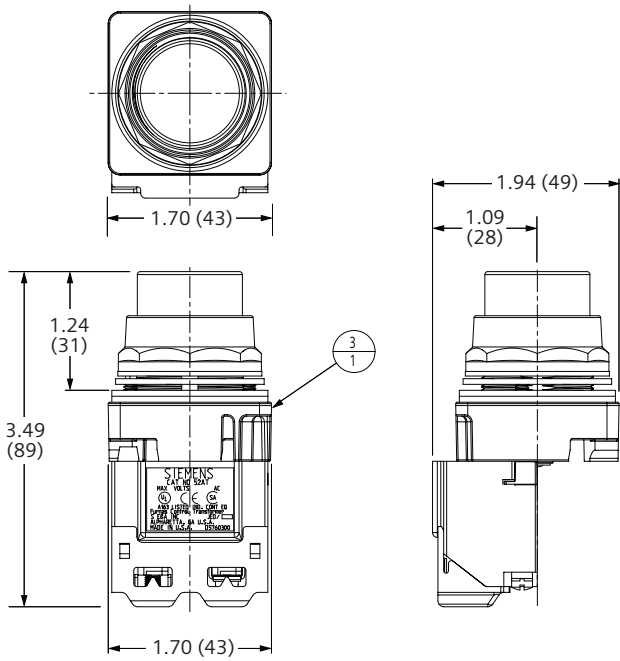
**Pilot Light, Plastic Lens, Integral LED,
Lighting Module**

1.70 (43)

1.85 (47)

1.00 (25)

1.24 (31)

3.31 (84)

3 / 1

SIEMENS

1.70 (43)

**Pilot Light, Glass Lens, Integral LED,
Lighting Module**

1.70 (43)

1.85 (47)

1.00 (25)

1.42 (36)

3 / 1

3.50 (89)

SIEMENS

1.70 (43)

**Pilot Light, Glass Lens, Transformer or Full Voltage,
Lighting Module**

1.70 (43)

1.94 (47)

1.09 (28)

1.42 (36)

3.68 (93)

SIEMENS

1.63 (41)

**Non-Illuminated Pushbutton Device,
Large Mushroom Head**

1.70
(43)

1.70 (43)

Ø2.50 (64)

1.75
(45)

1.74
(44)

2.74
(70)

1.05
(27)

2.10 (53)
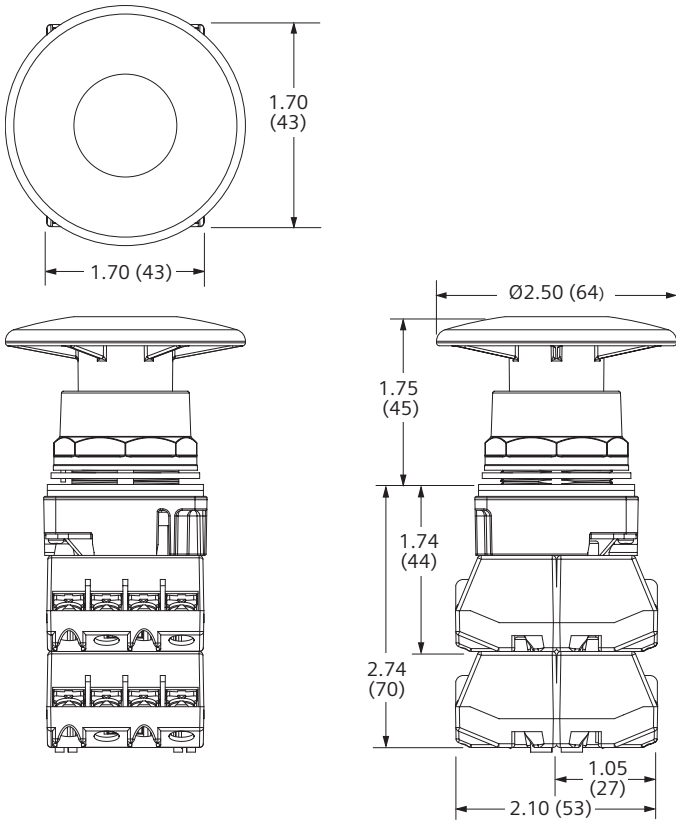
**Non-Illuminated Pushbutton Device,
Metal Mushroom Head**

1.70
(43)

1.70 (43)

Ø1.73 (44)

1.65
(42)

1.74
(44)

2.74
(70)

1.05
(27)

2.10 (53)
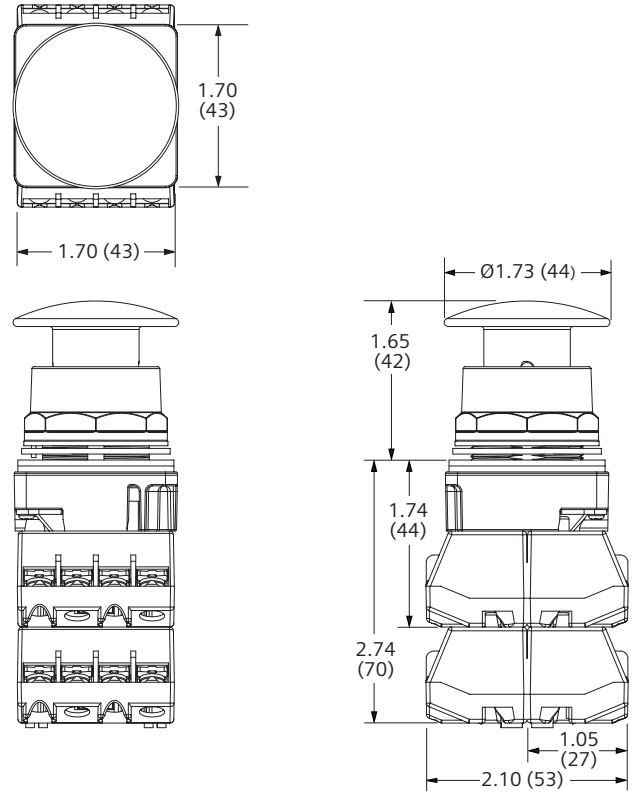
**Pushbutton Device, Illuminated Metal Head,
Transformer or Full Voltage, Lighting Module**

1.70 (43)

Ø1.75 (45)

1.88
(48)

2.25
(57)

1.74
(44)

2.74
(70)

1.09
(28)

1.05
(27)
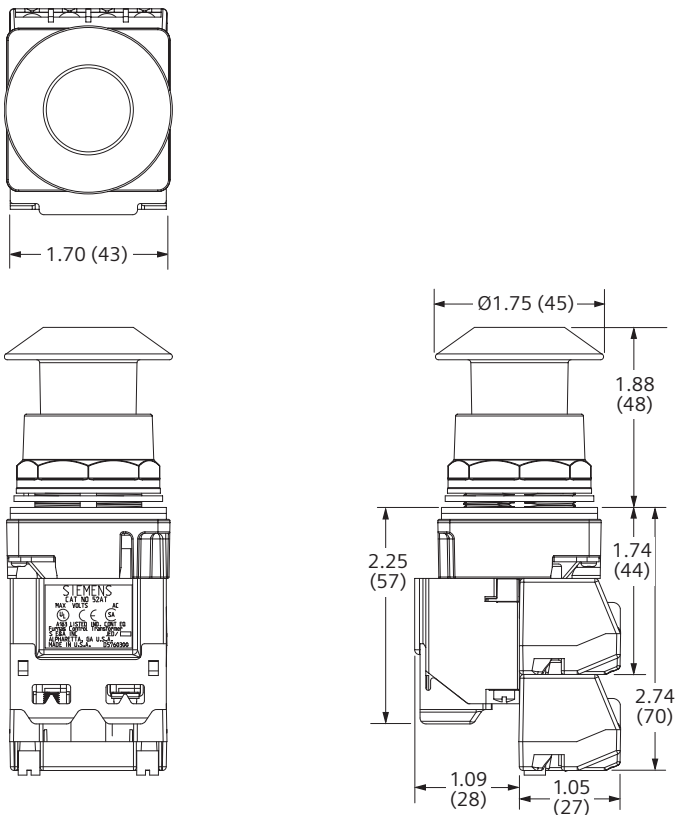
**Pushbutton Device, Illuminated Metal Head,
Integral LED, Lighting Module**

1.70 (43)

Ø1.75 (45)

1.88
(48)

2.01
(51)

1.74
(44)

2.74
(70)

1.00
(25)

1.05
(27)

37
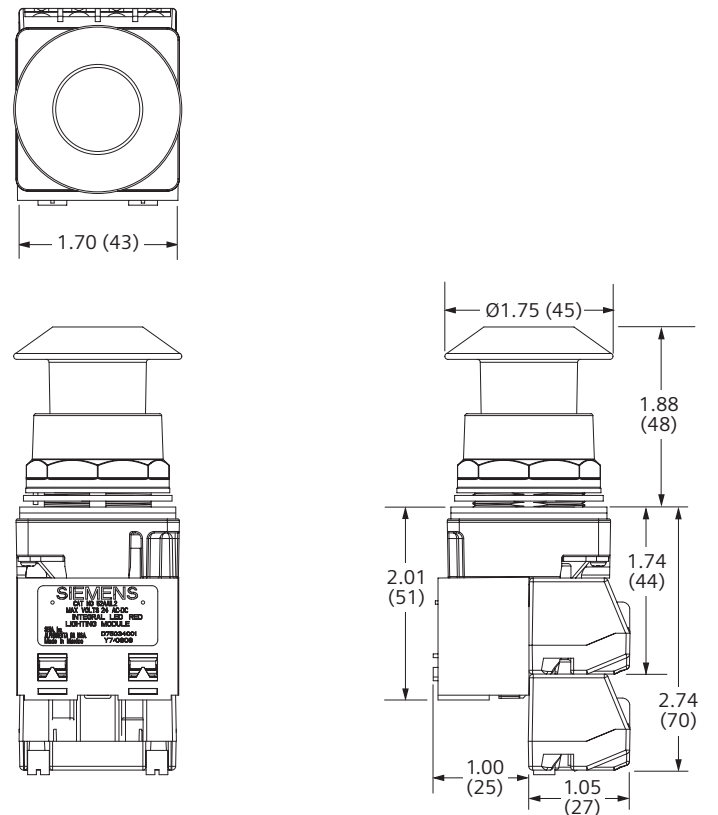
**Pushbutton Device, Small Mushroom Head,
Transformer or Full Voltage, Lighting Module**

1.70 (43)

Ø1.75 (45)

1.75 (45)

2.25 (57)

1.74 (44)

2.74 (70)

1.09 (28)

1.05 (27)
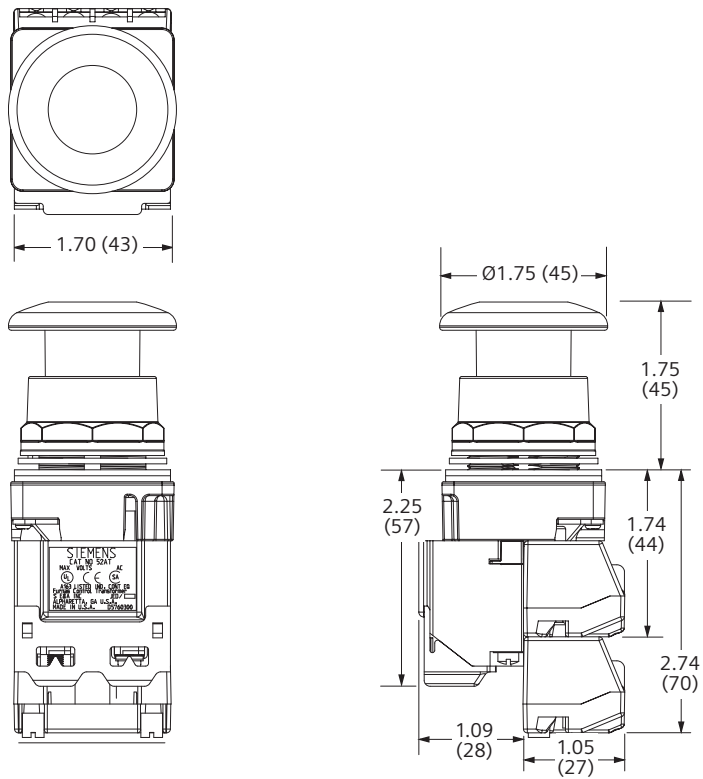
**Pushbutton Device, Small Mushroom Head,
Integral LED, Lighting Module**

1.70 (43)

Ø1.75 (45)

1.75 (45)

2.01 (51)

1.74 (44)

2. (7

1.00 (25)

1.05 (27)

**Non-Illuminated Pushbutton Device,
Small Mushroom Head**

1.70 (43)

1.70 (43)

Ø1.75 (44)

1.75 (45)

1.74 (44)

2.74 (70)

1.05 (27)

2.10 (53)
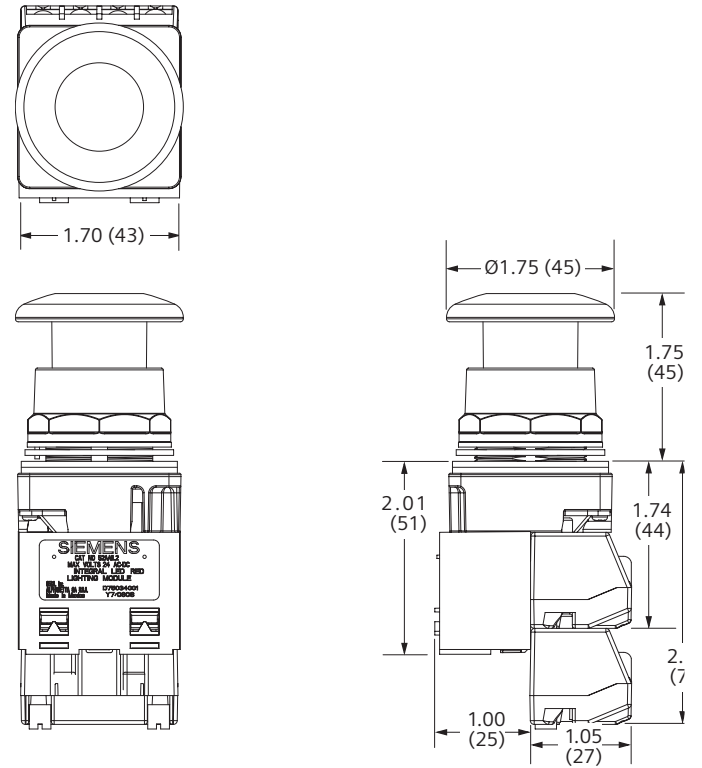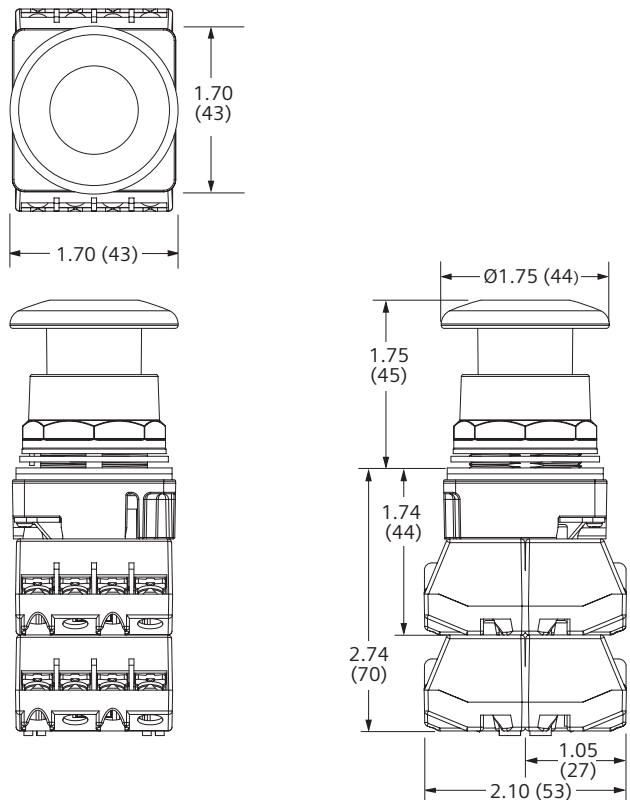
**Pushbutton Device, Twist-Release,
Transformer or Full Voltage, Lighting Module**

1.70 (43)

Ø1.79 (45)

1.75 (45)

2.25 (57)

1.74 (44)

2.74 (70)

1.09 (28)

1.05 (27)
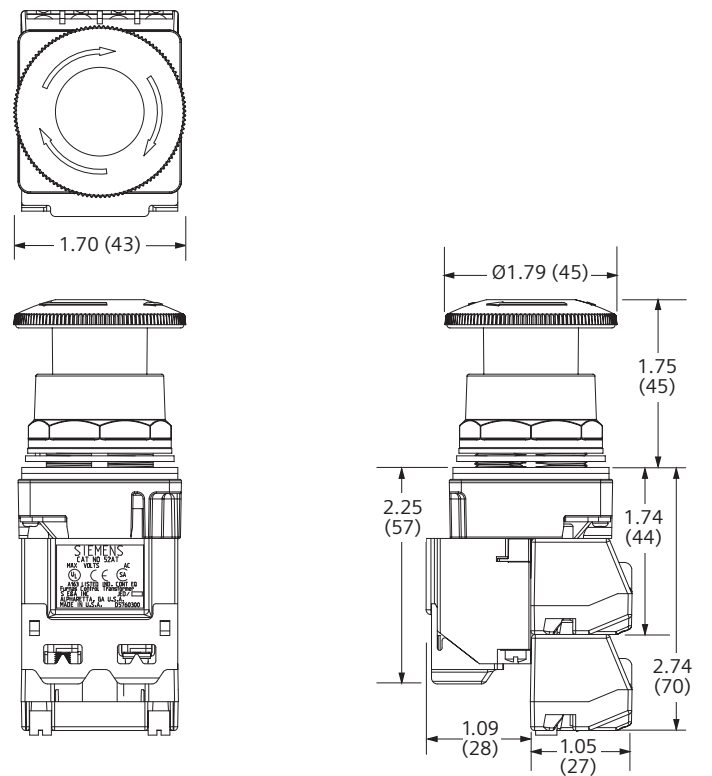
Pushbutton Device Twist-Release Integral LED Lighting Module

1.70 (43)

Ø1.79 (45)

1.75 (45)

1.74 (44)

2.01 (51)

2.74 (70)

1.00 (25)

1.05 (27)

Non-Illuminated Pushbutton Device Twist-Release

1.70 (43)

Ø1.79 (45)

1.75 (45)

1.74 (44)

2.74 (70)

1.05 (27)

2.10 (53)
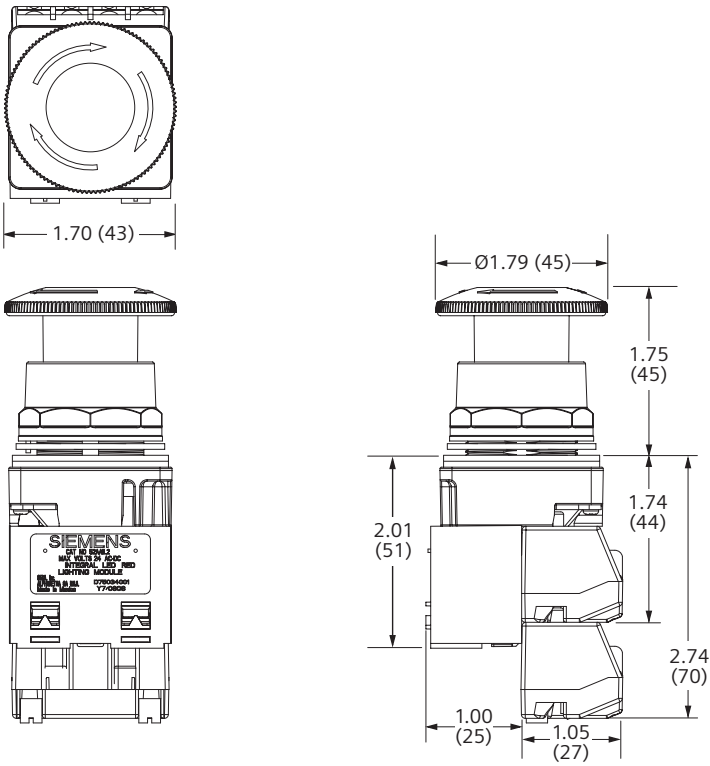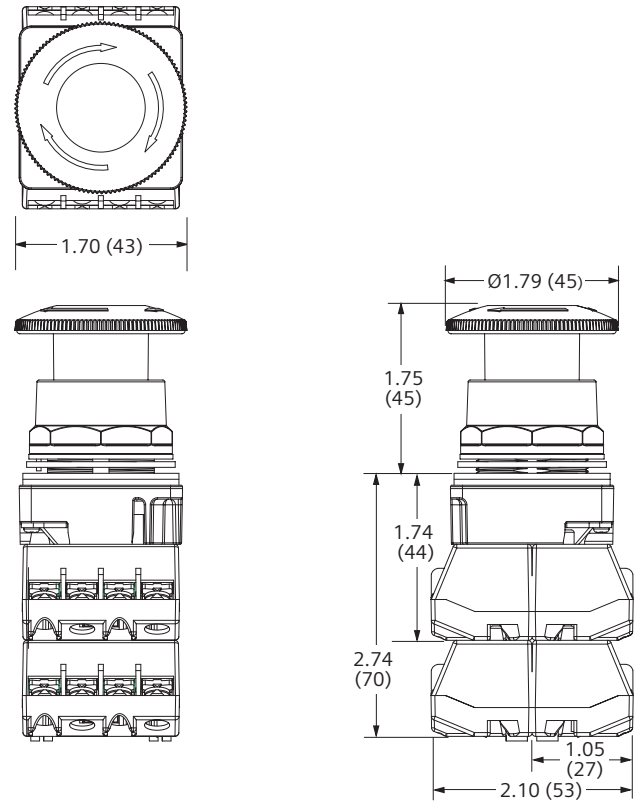
Push-to-Test Illuminated Pushbutton Transformer or Full Voltage Lighting Module

1.70 (43)

1.52 (39)

2.25 (57)

1.74 (44)

2.74 (70)

1.09 (28)

1.05 (27)
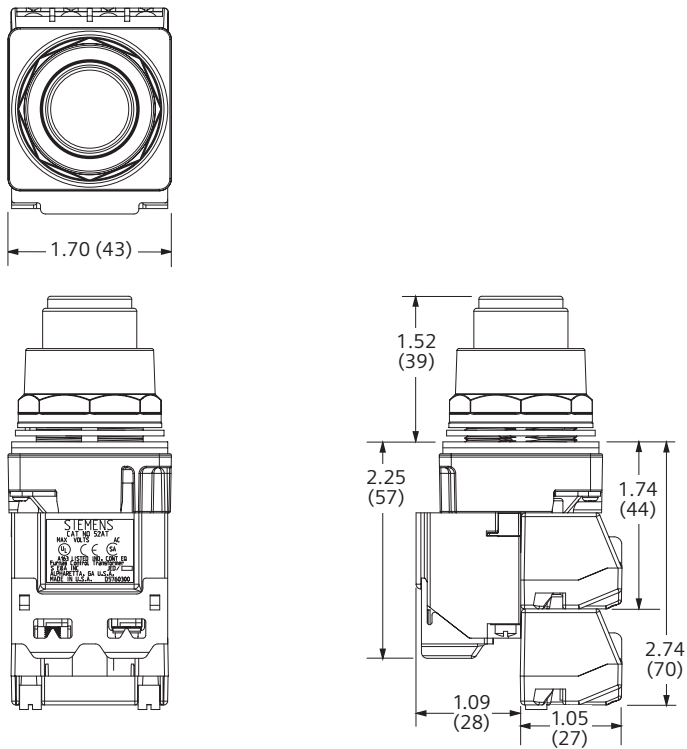
Push-to-Test Illuminated Pushbutton Integral LED Lighting Module

1.70 (43)

1.52 (39)

2.01 (51)

1.74 (44)

2.74 (70)

1.00 (25)

1.05 (27)

39
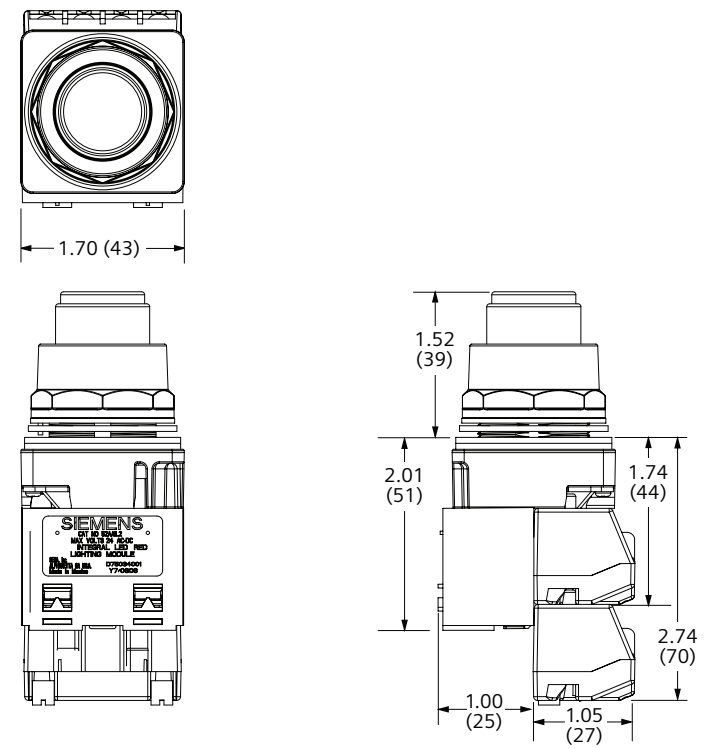
Additional Resources

Sielect On-line Product Selection & Resource Tool:
http://sielect.sea.siemens.com

Siemens Industrial Control Catalog:
http://automation.usa.siemens.com/controls/icc/default.asp

Distributor locator:
http://www2.sea.siemens.com/sales/distribuor-locator.htm

SE&A Controls main website:
http://www2.sea.siemens.com/products/controls/

Literature fulfilment
https://freeflowweb.xdocs.com/branding/sea/?code=653170009
(Order a Siemens Portal on a Disk - POAD)

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http://www2.sea.siemens.com/support/contact+technial+service.htm