

BUTTON CATALOG V1.1

WILLSMEN 2016

Button Technical Features

- ★ Most Buttons meet ISO4190 and EN81 Standard.
- ★ Hallo needs LED or LED & Buzzer normally.
- ★ LED Rated Voltage: (AC, DC) 12V, 24V.
- ★ LED Rated Current: < 30mA.
- ★ Button's Switch Rated Voltage: DC50V.
- ★ Button's Switch Rated Current: 500mA.
- ★ Button's Switch Contact Resistance: < 50mΩ.
- ★ Button's Insulation Resistance: >100mΩ.
- ★ Button Operation Distance: 0.25 ~ 0.8mm.
- ★ Button Maximum Distance: ≤1.2 mm.
- ★ Button Operation Pressure: 3 ~ 6N.
- ★ Button Mechanical Life: > 5 million times
- ★ Button Electrical Life: ≥ 1 million times
- ★ Button Operation Temperature: -10℃~ 50℃
- ★ Button Operation Humidity: 45% ~90%

Button Purchasing Guide

A, SERIES SELECTION: _____

B, MARK :

- 1, _____ Flat or Raised.
- 2, _____ Penetrable by light or Not.
- 3, _____ with Braille or not.
- 4, _____ Color : Black, Off-White, Red, Blue, or Tawny.
- 5, _____ Font & Size.

C, HALLO :

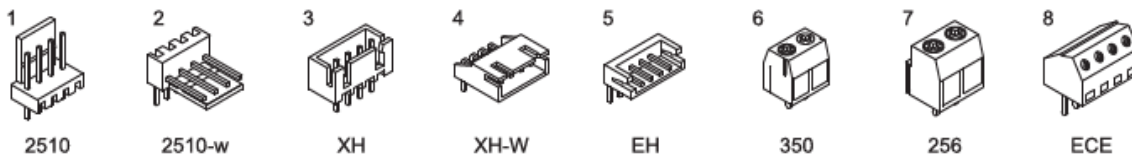
- 1, _____ Penetrable by light or Not.
- 2, _____ Response Way : Single Color LED, Double Color LED or Single Color LED with Buzzer.
- 3, _____ LED Color : Red, Green, Blue, White, Orange, Yellow, or Amber.

D, FACEPLATE :

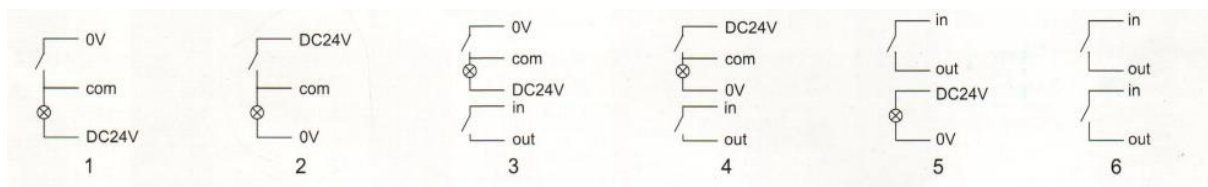
- 1, _____ Material : Stainless steel, Optical glass, or PMMA.
- 2, _____ Stainless Steel Lines : Hail Line, Mirror, Sand Blast, Concentric Circles, or Disorderly Lines.
- 3, _____ Stainless Steel with titanium coating : Blass effect, Black Ti, Tawny, or Bronze effect
- 4, _____ Stainless Steel with Painting : White or Black.

E, CURRENT & VOLTAGE : _____ (AC or DC, 24V, 12V, 5V)

F, TERMINALS : _____



G, Circuit Diagram : _____



H, Switch in Button : _____ (1NO, 1NC, 2NO, 1NO1NC)

I, Cable Requirements :

- 1, _____ Color Pattern: Defaults to the rainbow color pattern starting at 1=black.
- 2, _____ with Connector at One End or with Connector at each End.
- 3, _____ Length of Cable.

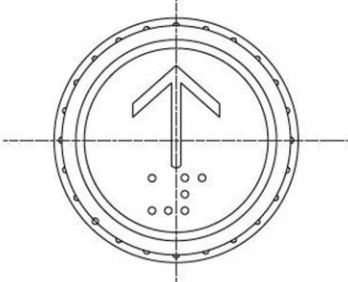
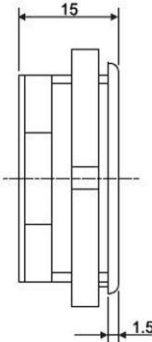
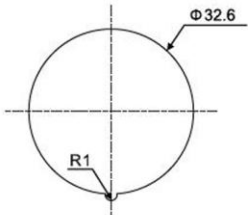
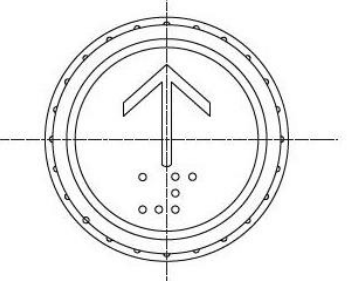
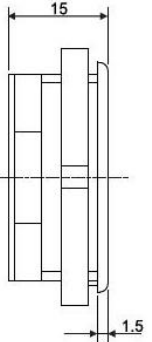
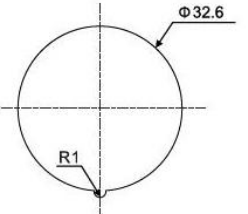
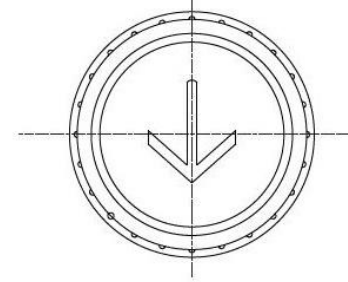
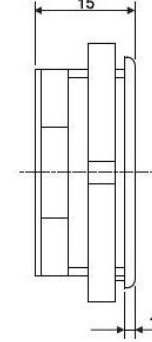
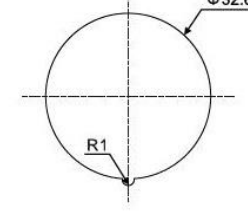
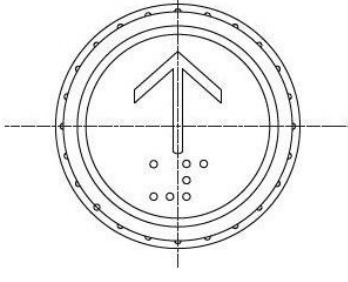
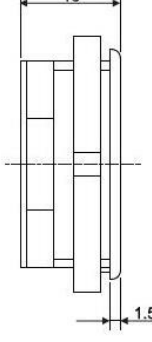
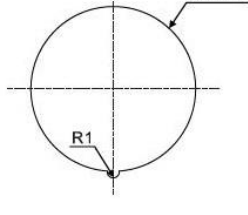
J, Other Requirements, (e.g.: positive and negative pole is exchangeable)

Button Series

B1 series 	B1a series 	B1c series 	B1p series 	B2 series 
B1	B1a	B1c	B1p	B2
B3 series 	B4 series 	B5 series 	B6 series 	B6r series 
B3	B4	B5	B6	B6r
B6t series 	B7 series 	B8 series 	B8a series 	B9 series 
B6t	B7	B8	B8a	B9
B10 series 	B10s series 	B11 series 	B12 series 	B12a series 
B10	B10s	B11	B12	B12a
B13 series 	B14 series 	B15 series 	B16a series 	B16b series 
B13	B14	B15	B16a	B16b
B17 series 	B17a series 	B17b series 	B17s series 	B18 series 
B17	B17a	B17b	B17s	B18
B19 series 	B20a series 	B20b series 	B20k series 	B20s series 
B19	B20a	B20b	B20k	B20s
B21 series 	B22 series 	B23 series 	B24 series 	B25 series 
B21	B22	B23	B24	B25

B26 series 	B27 series 	B27a series 	B28 series 	B28a series 
B26	B27	B27a	B28	B28a
B29 series 	B30 series 	B31 series 	B32 series 	B33 series 
B29	B30	B31	B32	B33
B34 series 	B35 series 	B36 series 	B37 series 	B38 series 
B34	B35	B36	B37	B38
B39 series 	B40 series 	B41 series 	B42 series 	B43 series 
B39	B40	B41	B42	B43
B44 series 	B45 series 	B46 series 	B47 series 	B48a series 
B44	B45	B46	B47	B48a
B48b series 	B49 series 	B50 series 	B51 series 	B52 series 
B48b	B49	B50	B51	B52
B53 series 	B54 series 	B55 series 	B56 series 	B57 series 
B53	B54	B55	B56	B57
B58 series 	B61 series 	B62 series 	B63 series 	B64 series 
B58	B61	B62	B63	B64



Product Picture	Figure Deminsions		Installation Deminsions
B1 series 			
B1			mm
B1a series 			
B1a			mm
B1c series 			
B1c			mm
B1p series 			
B1p			mm

Back to series form

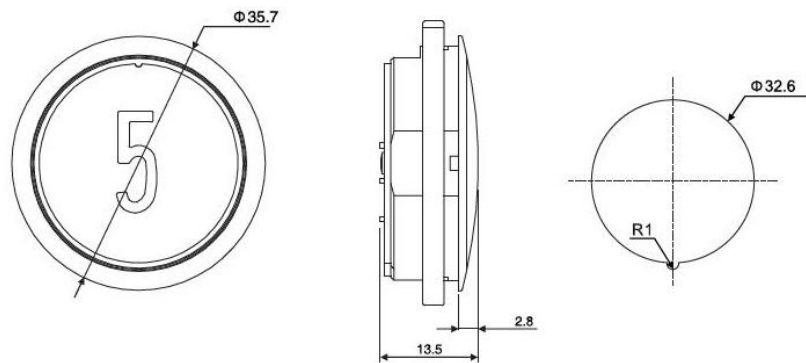
Product Picture

Figure Deminsions

Installation Deminsions



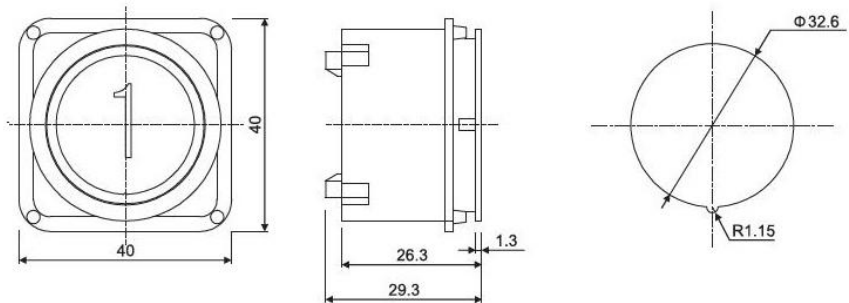
B2



mm



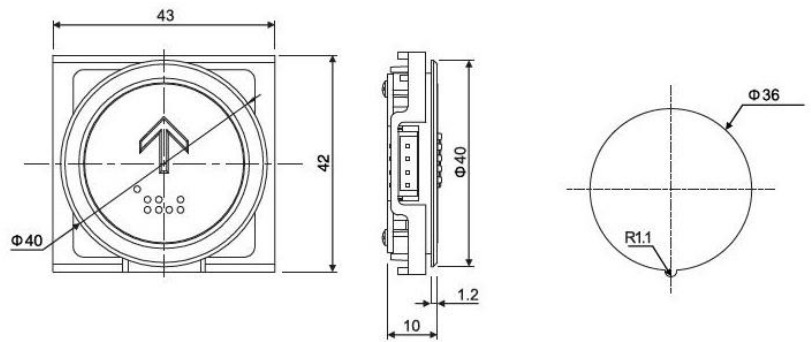
B3



mm



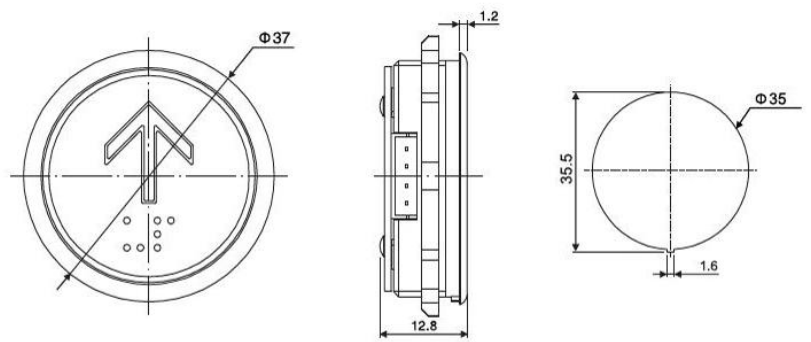
B4



mm



B5



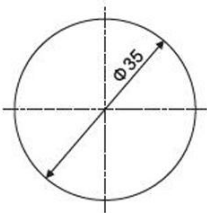
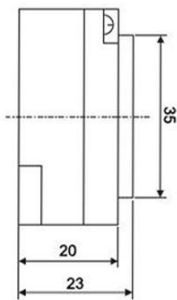
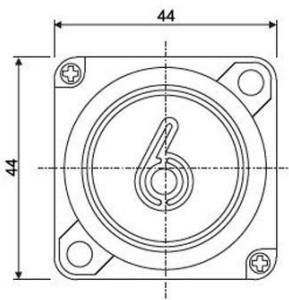
mm

Back to series form

Product Picture Figure Deminsions Installation Deminsions



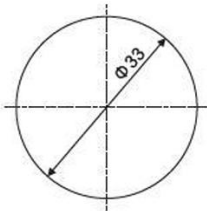
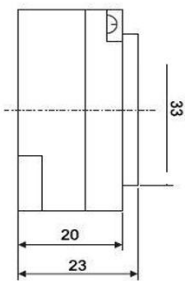
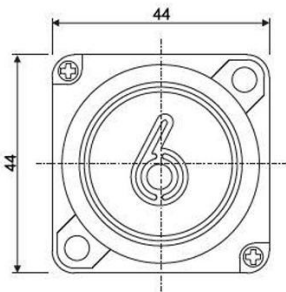
B6



mm



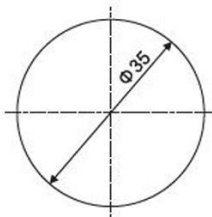
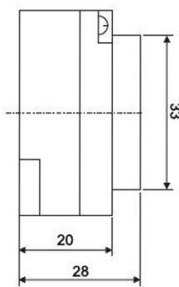
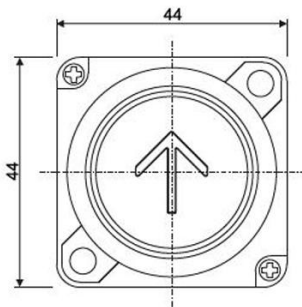
B6r



mm



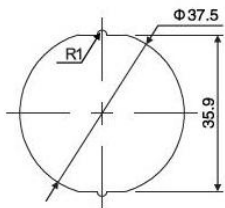
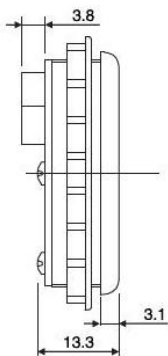
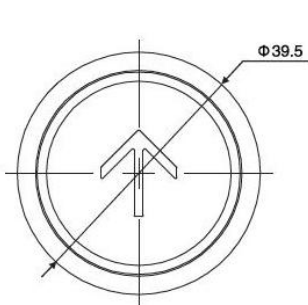
B6t



mm

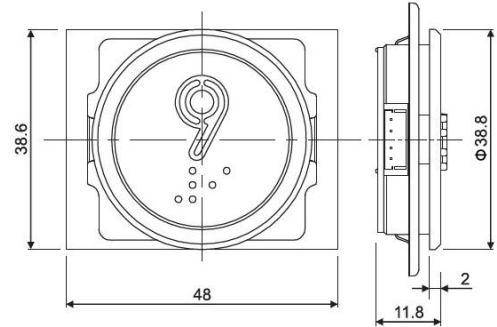
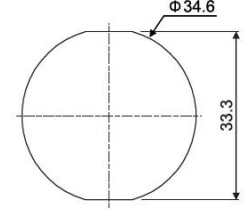
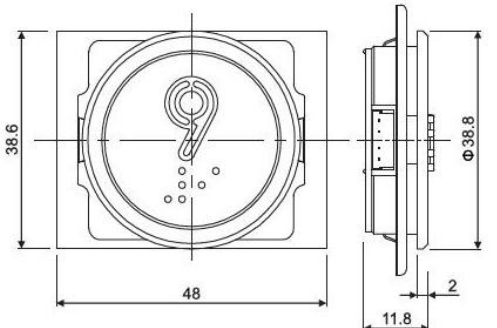
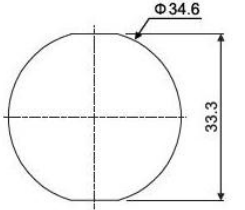
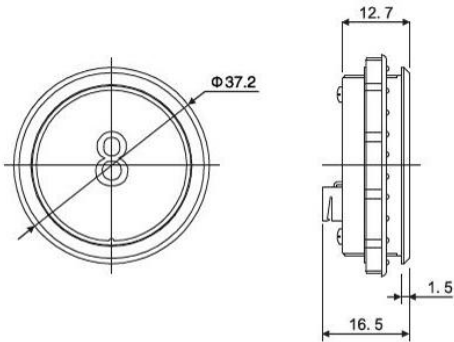
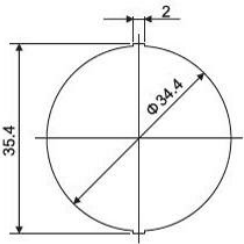
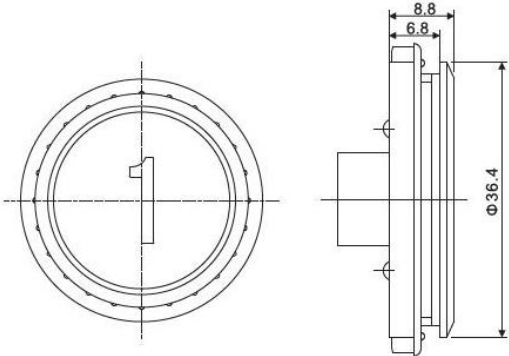
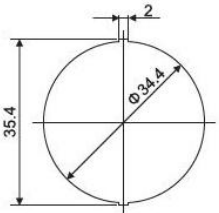


B7

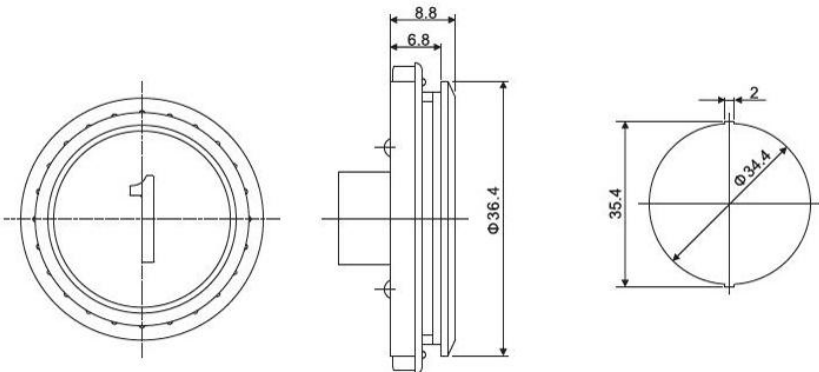
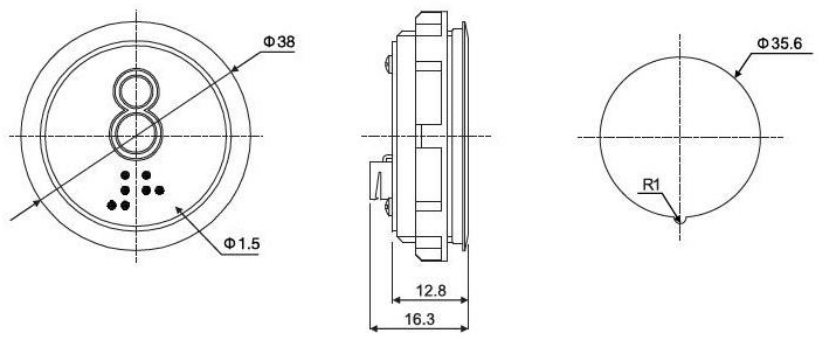
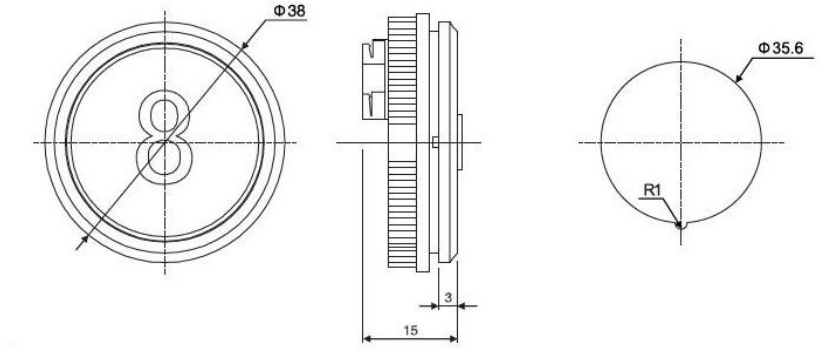
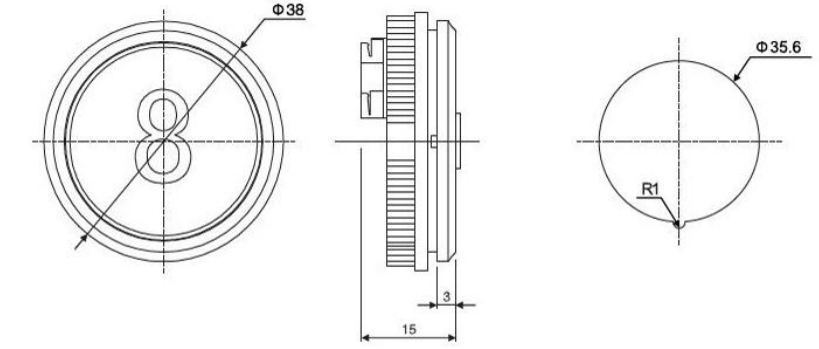


mm

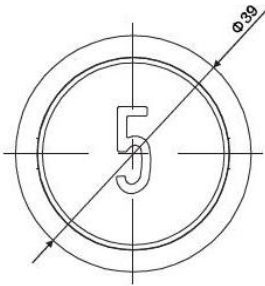
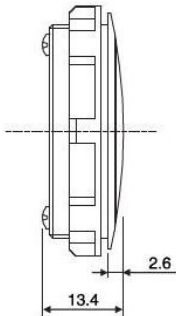
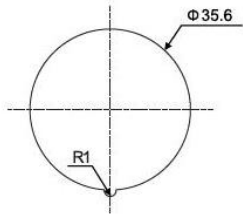
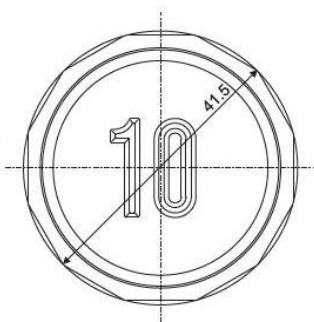
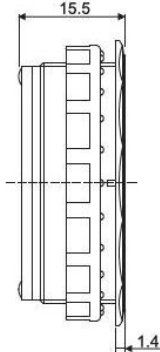
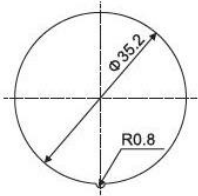
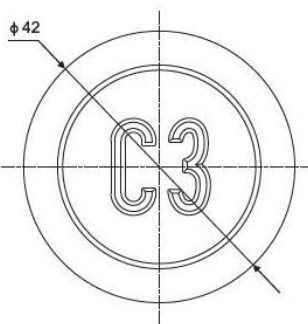
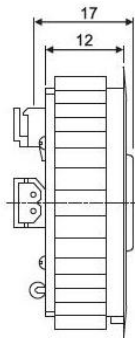
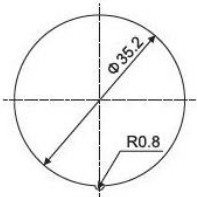
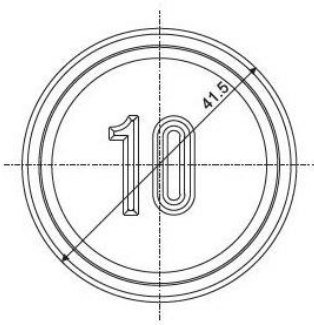
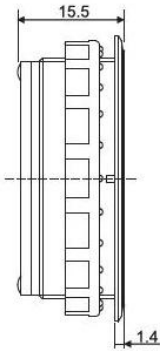
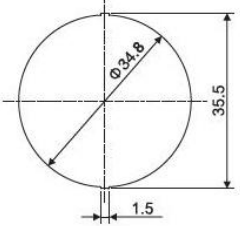
Back to series form

Product Picture	Figure Deminsions	Installation Deminsions
B8 series 		
B8		mm
B8a series 		
B8a		mm
B9 series 		
B9		mm
B10 series 		
B10		mm

Back to series form

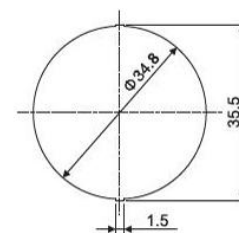
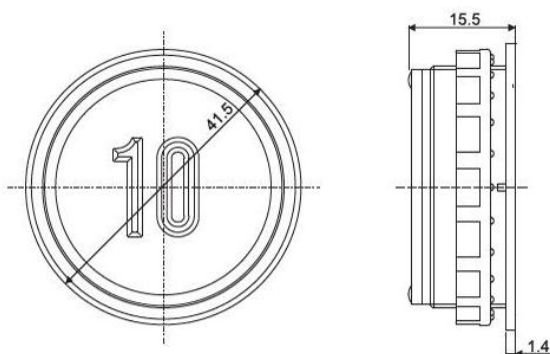
Product Picture	Figure Deminsions	Installation Deminsions
B10s series 		mm
B11 series 		mm
B12 series 		mm
B12a series 		mm

Back to series form

Product Picture	Figure Deminsions		Installation Deminsions
B13 series 			
B13			mm
B14 series 			
B14			mm
B15 series 			
B15			mm
B16a series 			
B16a			mm

Back to series form

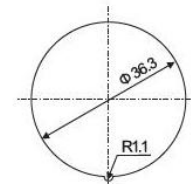
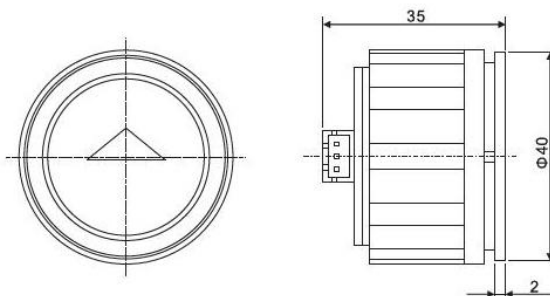
B16b series



mm

B16b

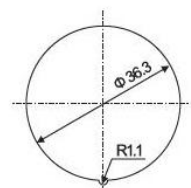
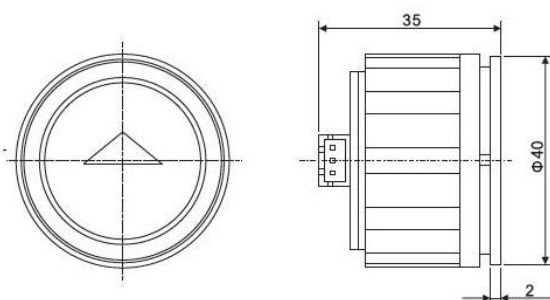
B17 series



mm

B17

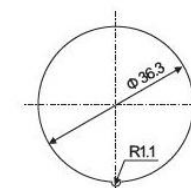
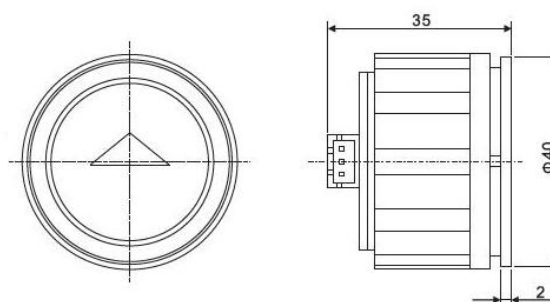
B17a series



mm

B17a

B17b series



mm

B17b

Product Picture

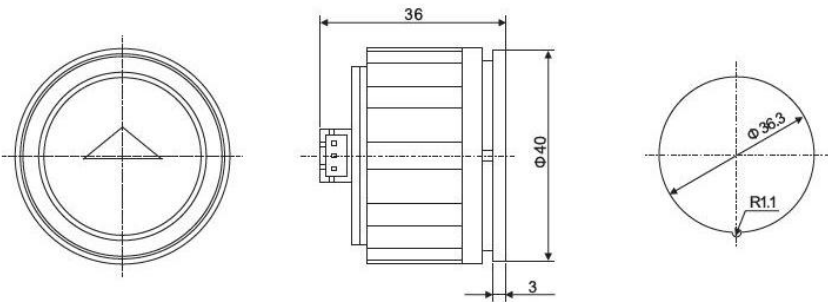
Figure Deminsions

Installation Deminsions

B17s series



B17s

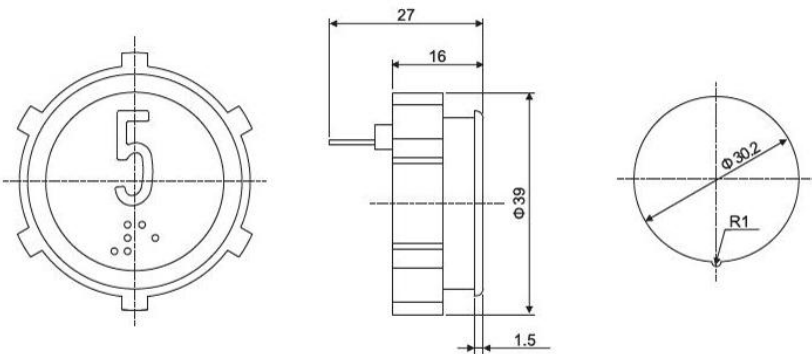


mm

B18 series



B18

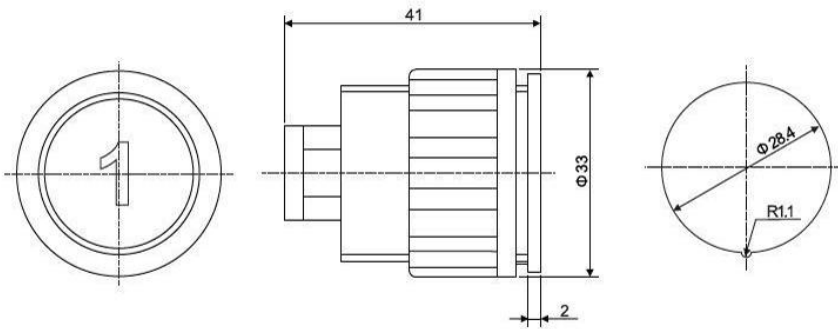


mm

B19 series



B19

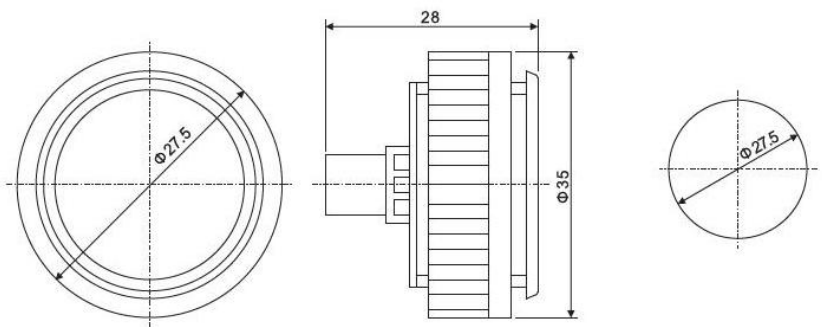


mm

B20a series



B20a



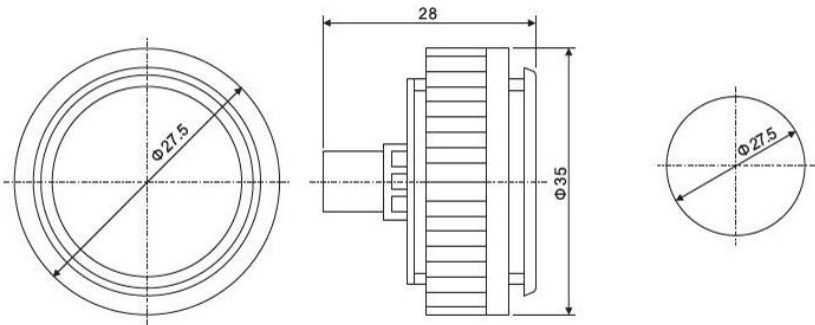
mm

Back to series form

Product Picture	Figure Deminsions	Installation Deminsions
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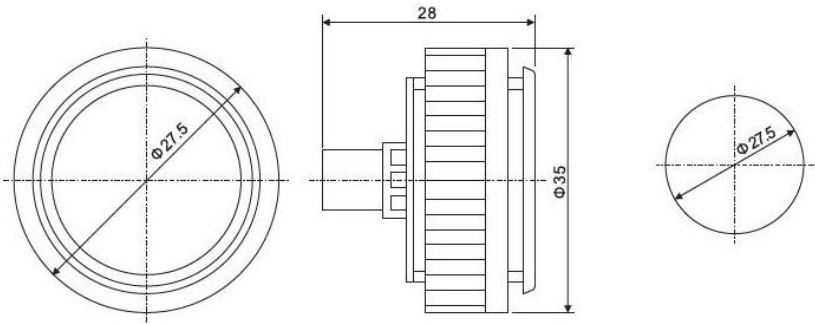
B20b



mm



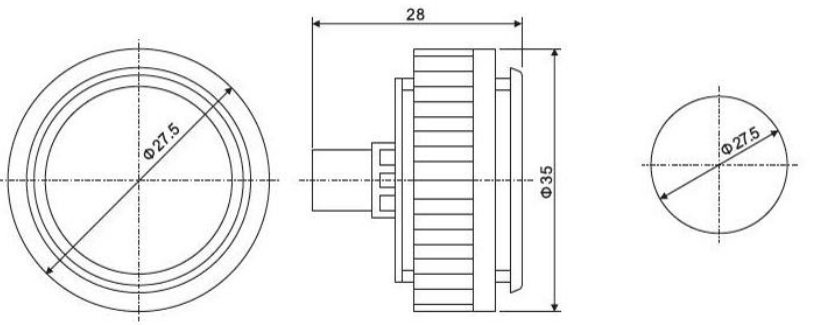
B20k



mm



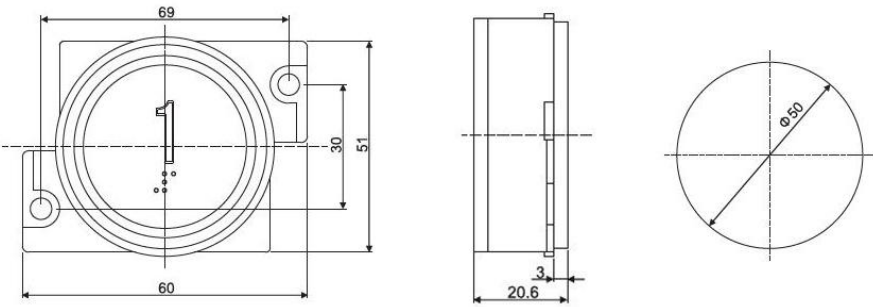
B20s



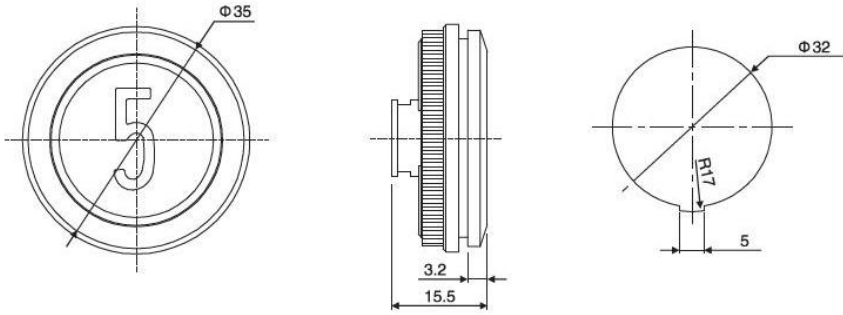
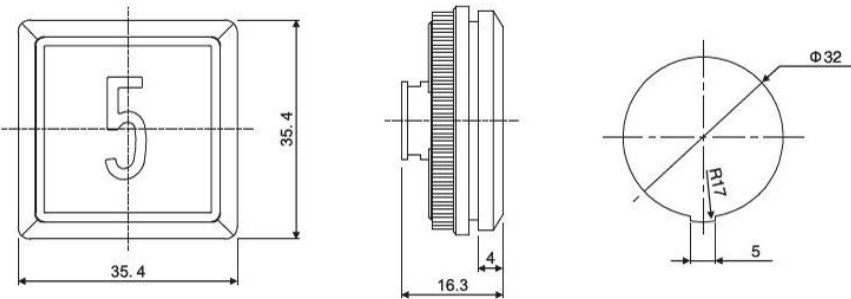
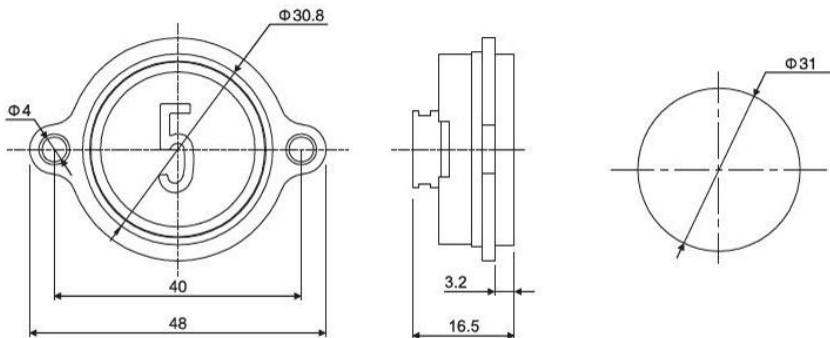
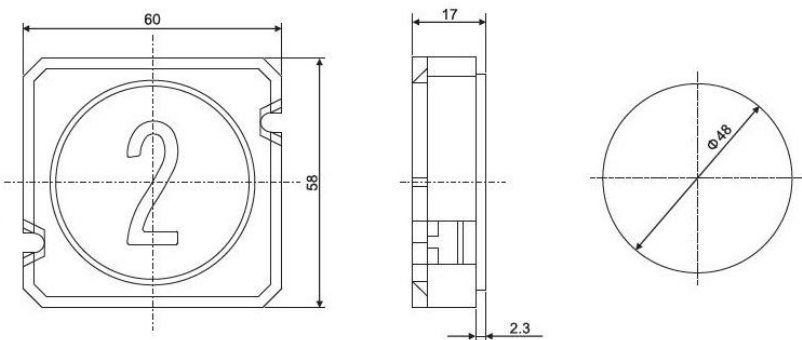
mm



B21



mm

Product Picture	Figure Deminsions		Installation Deminsions
B22 series 			
B22			mm
B23 series 			
B23			mm
B24 series 			
B24			mm
B25 series 			
B25			mm

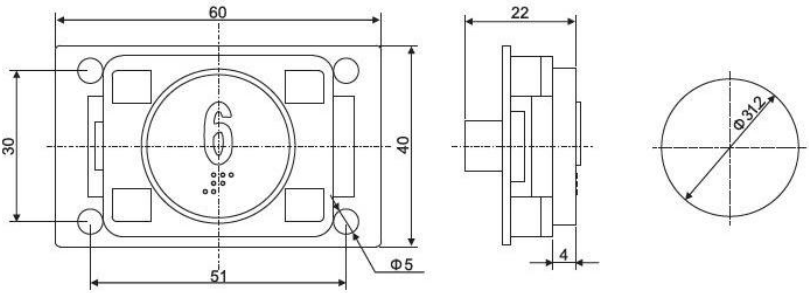
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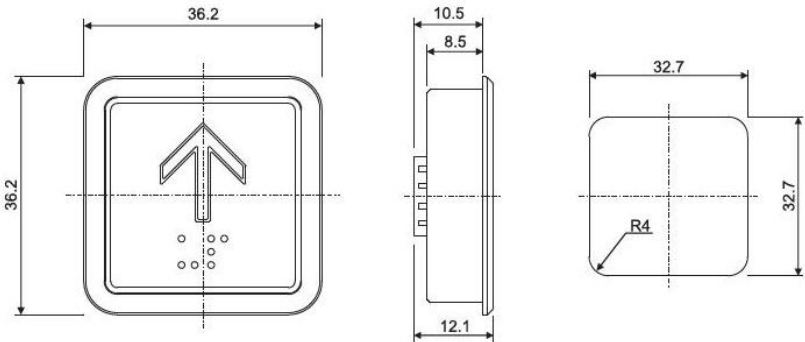
B26 series



mm

B26

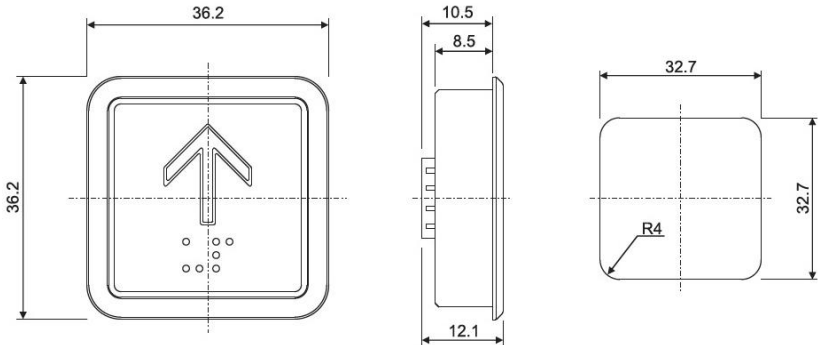
B27 series



mm

B27

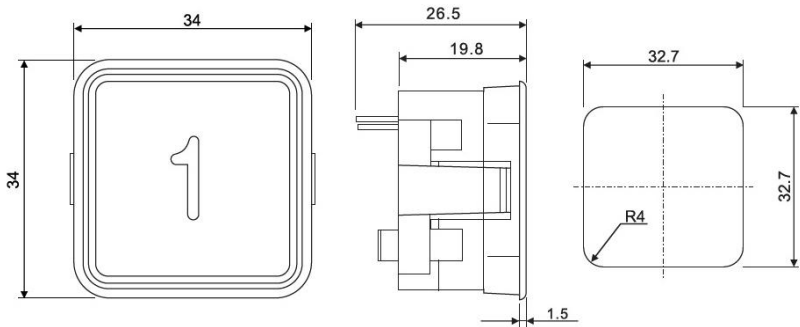
B27a series



mm

B27a

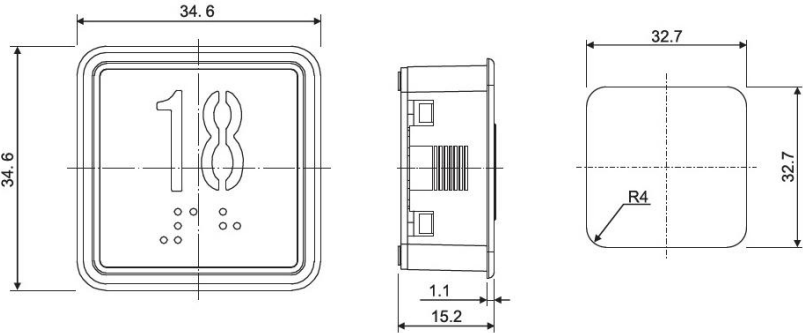
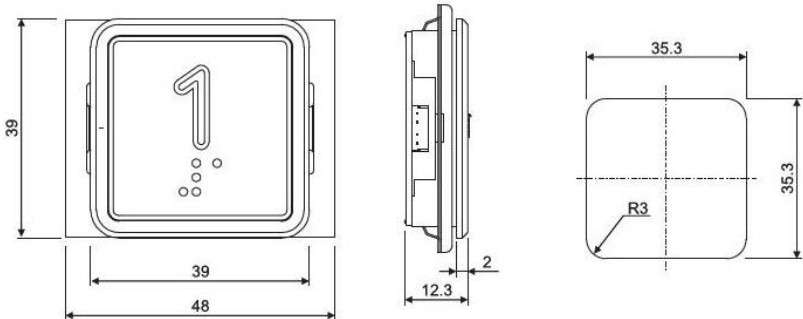
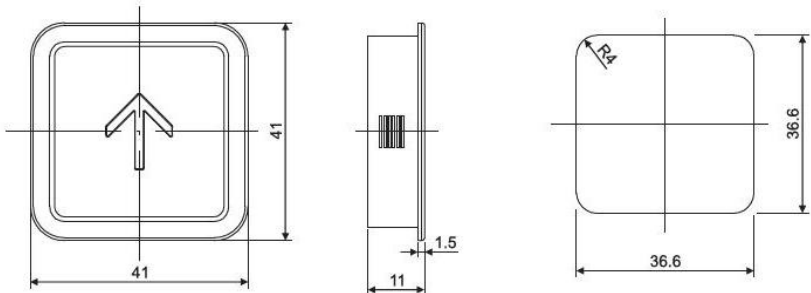
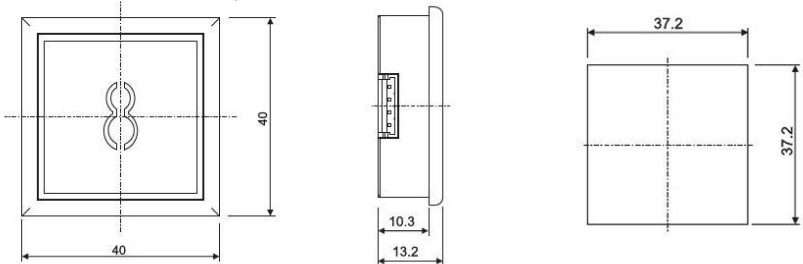
B28 series (TH)



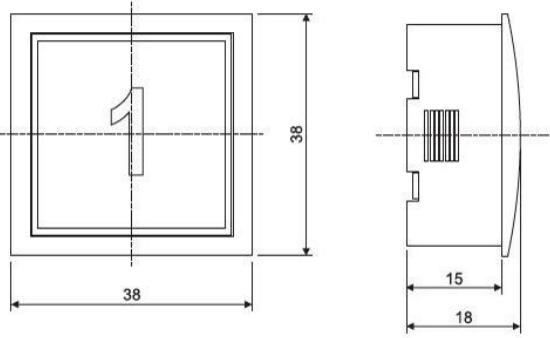
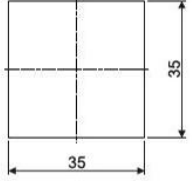
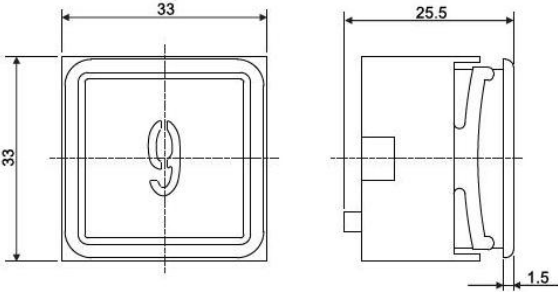
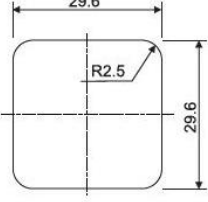
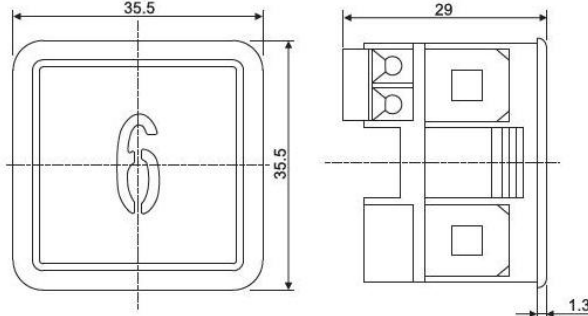
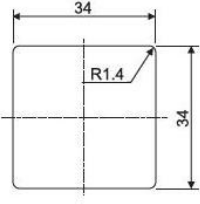
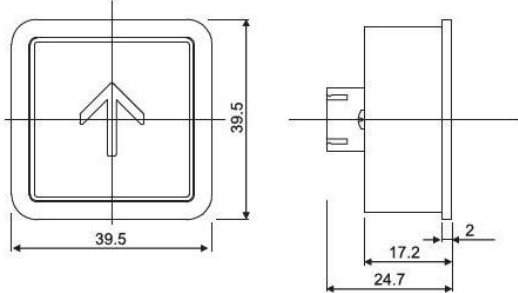
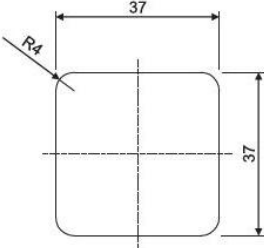
mm

B28

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B28a series  B28a		mm
B29 series  B29		mm
B30 series  B30		mm
B31 series  B31		mm

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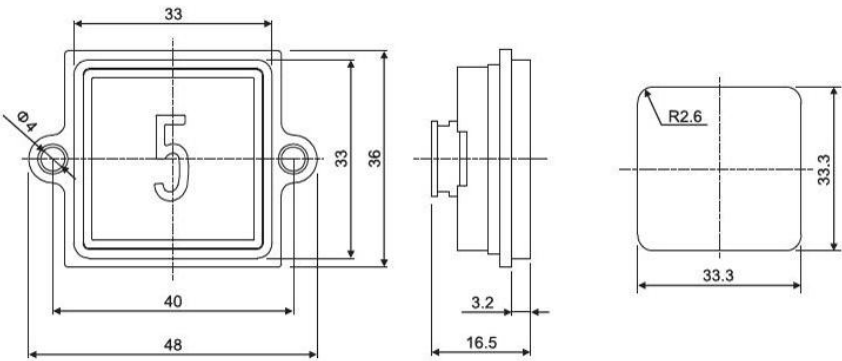
Product Picture	Figure Deminsions	Installation Deminsions
B32 series 		
mm		
B33 series 		
mm		
B34 series 		
mm		
B35 series 		
mm		

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Product Picture

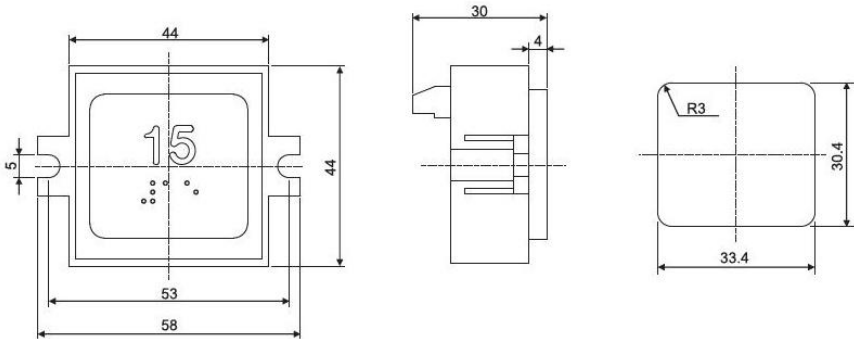
Figure Deminsions

Installation Deminsions



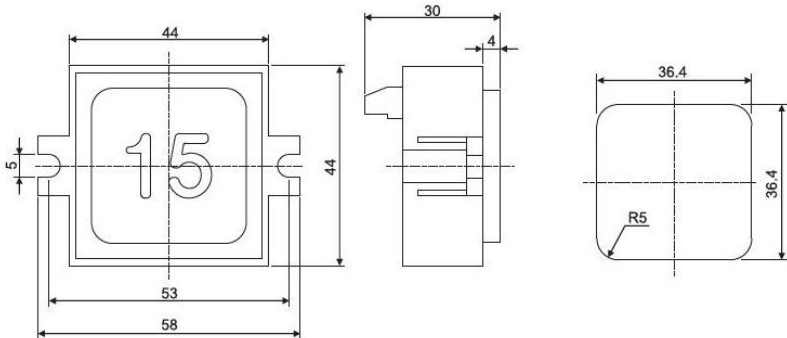
mm

B36



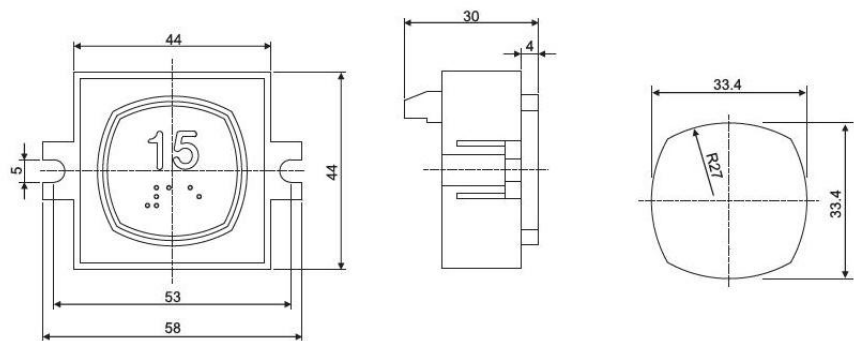
mm

B37



mm

B38



mm

B39

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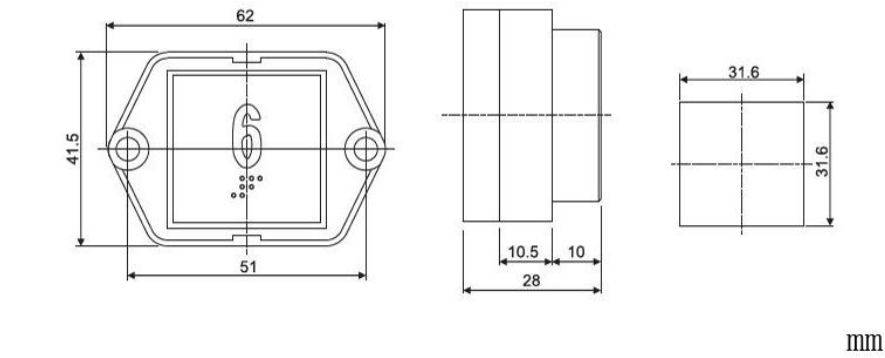
Product Picture

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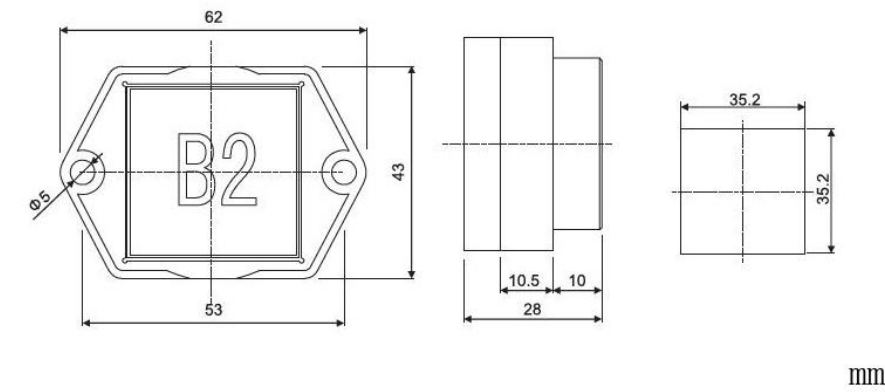
B40



mm



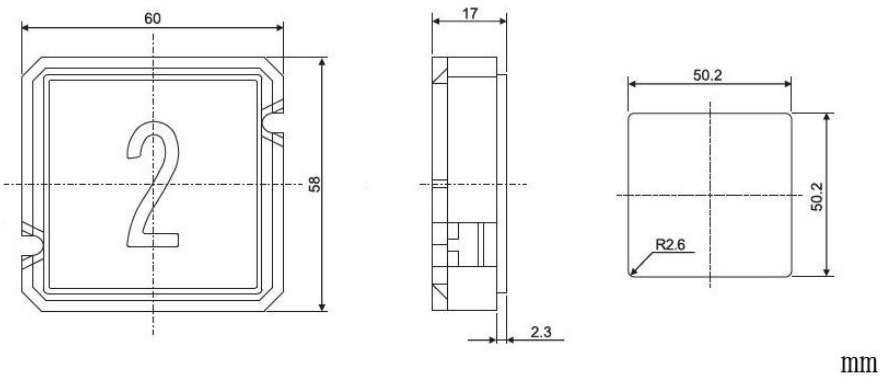
B41



mm



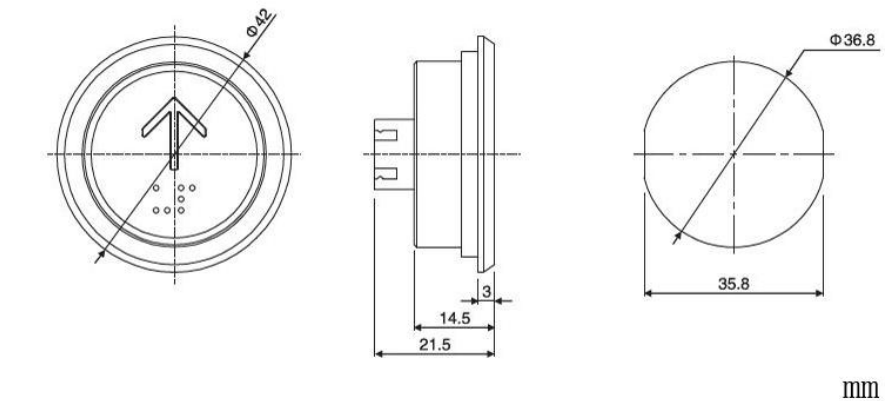
B42



mm

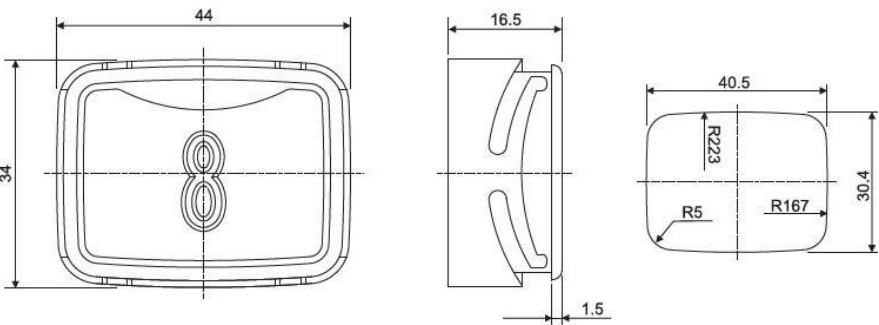
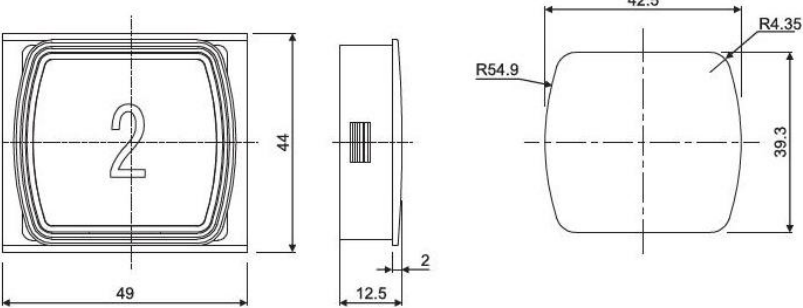
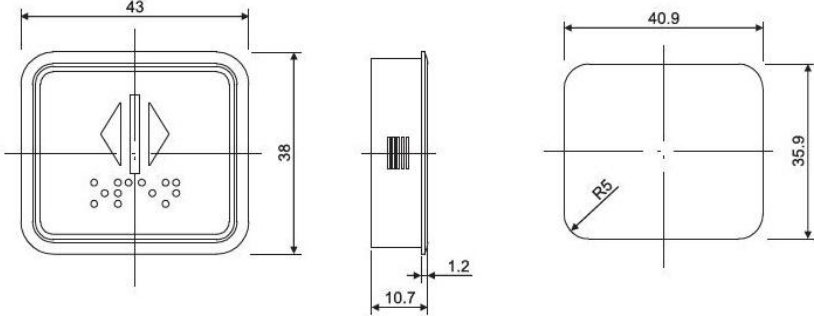
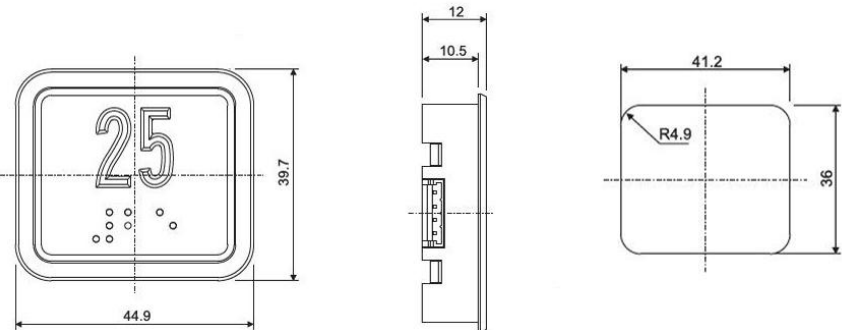


B43



mm

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Product Picture	Figure Deminsions	Installation Deminsions
B44 series 		mm
B45 series 		mm
B46 series 		mm
B47 series 		mm

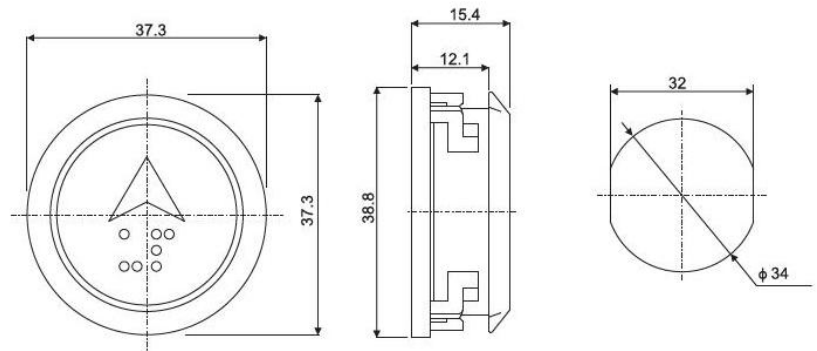
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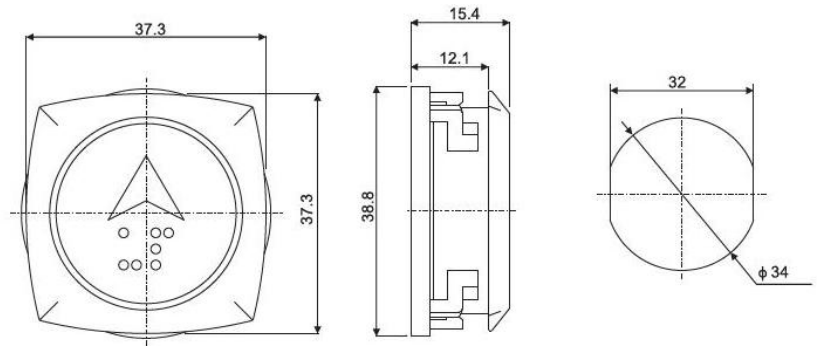
B48a series



mm

B48a

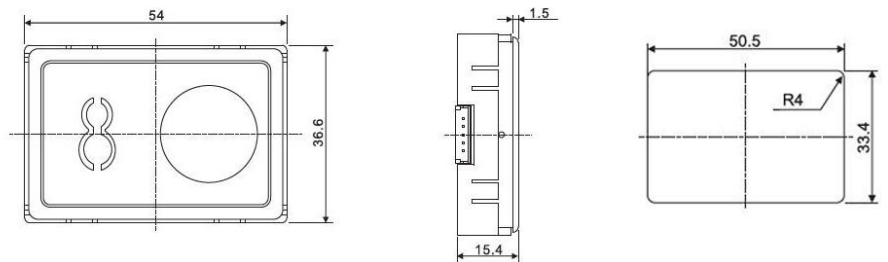
B48b series



mm

B48b

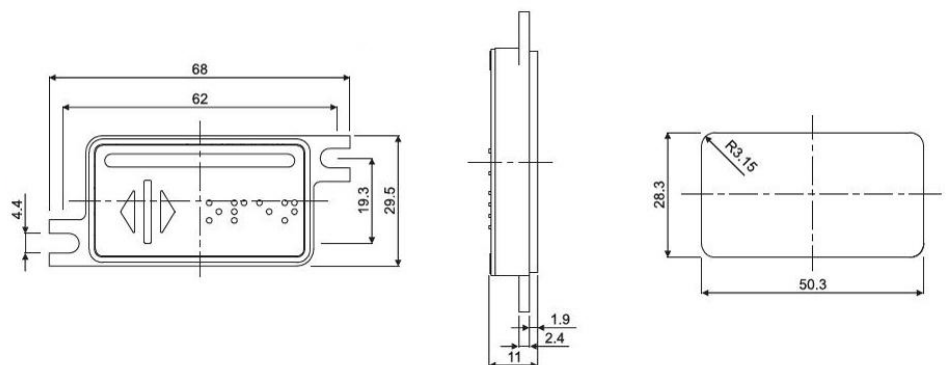
B49 series



mm

B49

B50 series



mm

B50

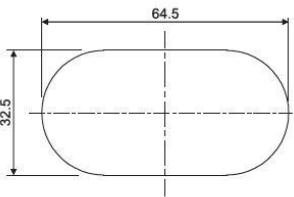
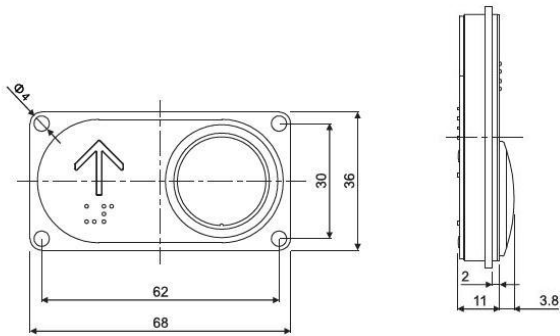
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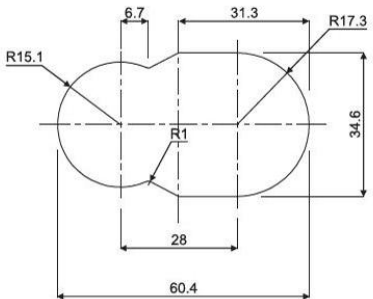
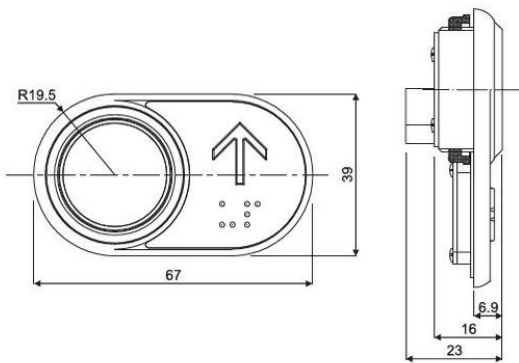
B51 series



mm

B51

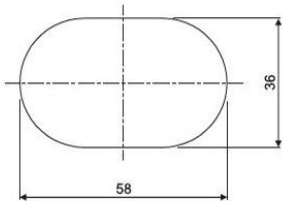
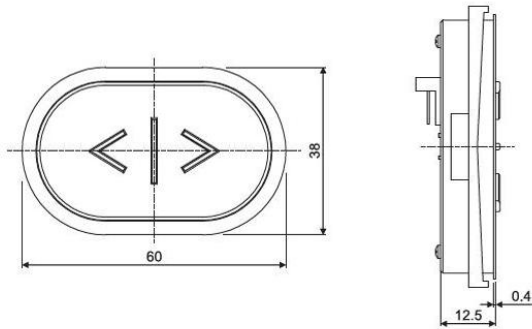
B52 series



mm

B52

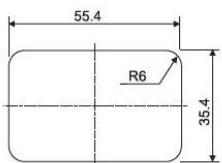
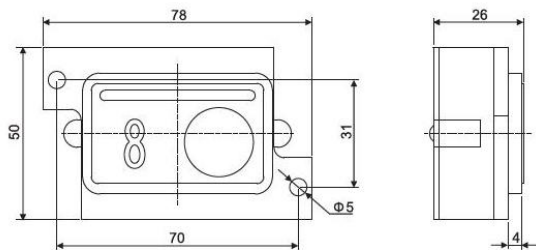
B53 series



mm

B53

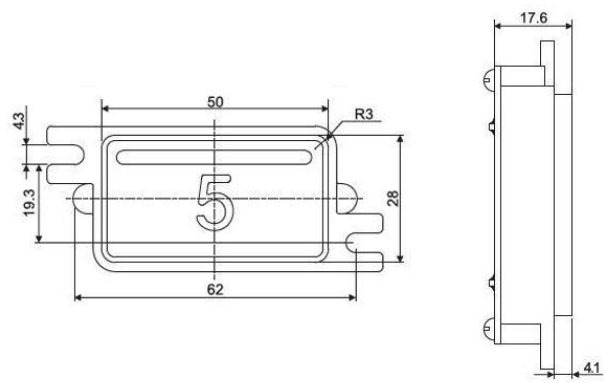
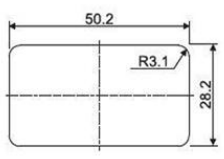
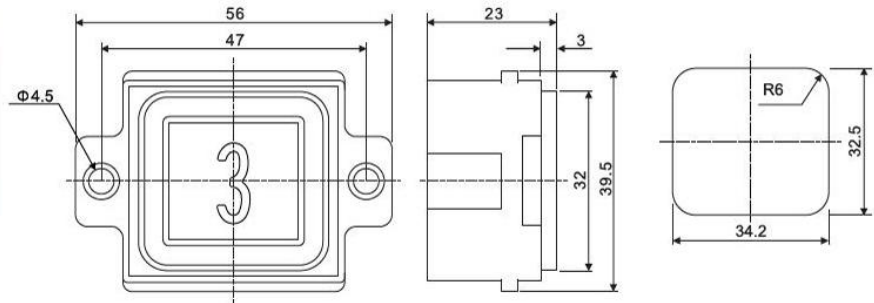
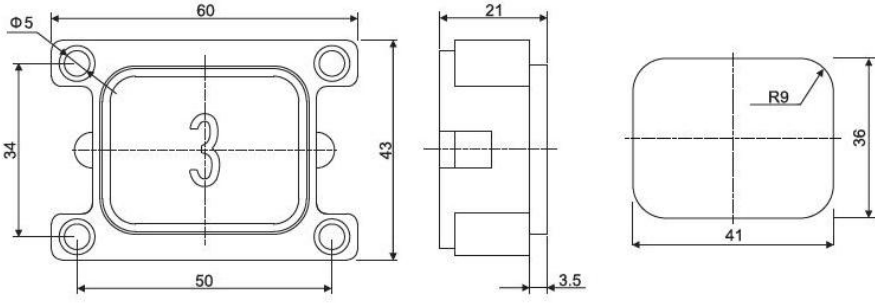
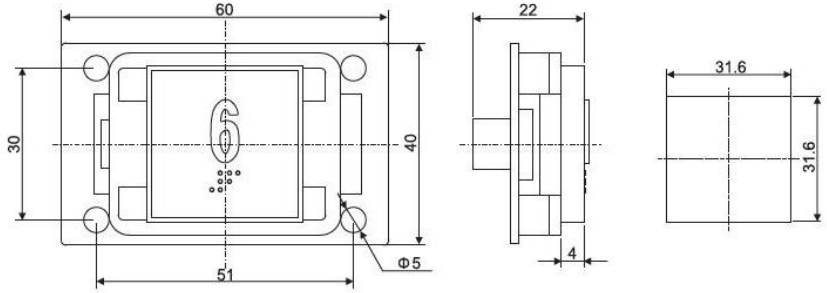
B54 series



mm

B54

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B55 series  B55		 mm
B56 series  B56		mm
B57 series  B57		mm
B58 series  B58		mm

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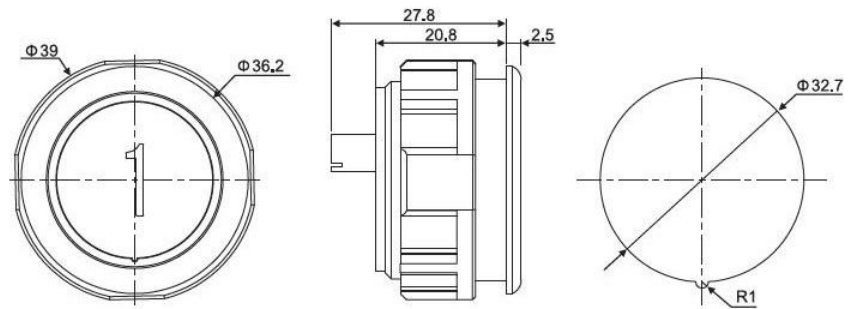
Product Picture

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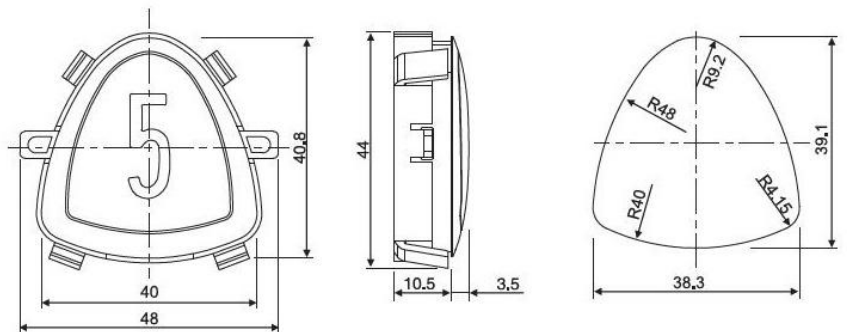
B61



mm



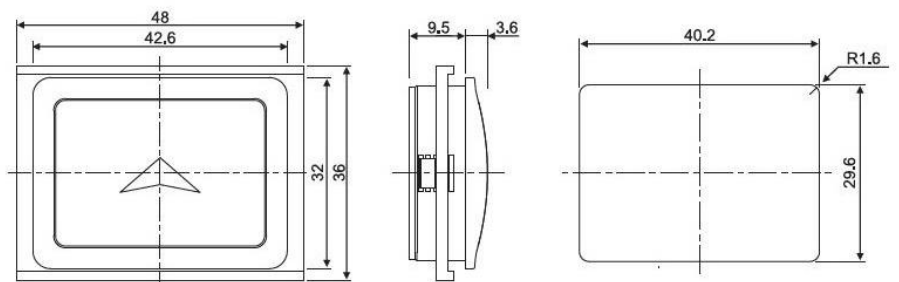
B62



mm



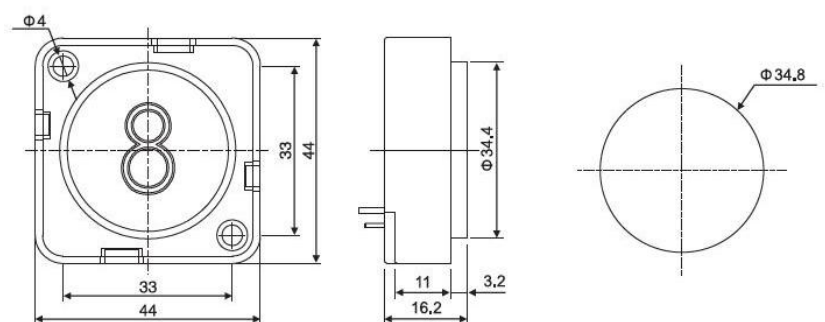
B63



mm



B64



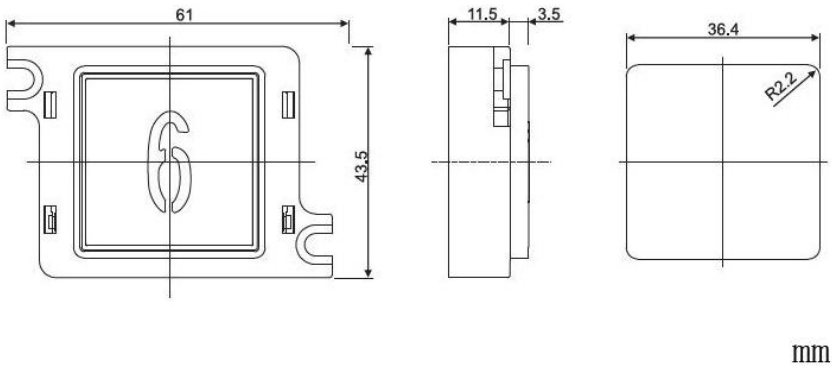
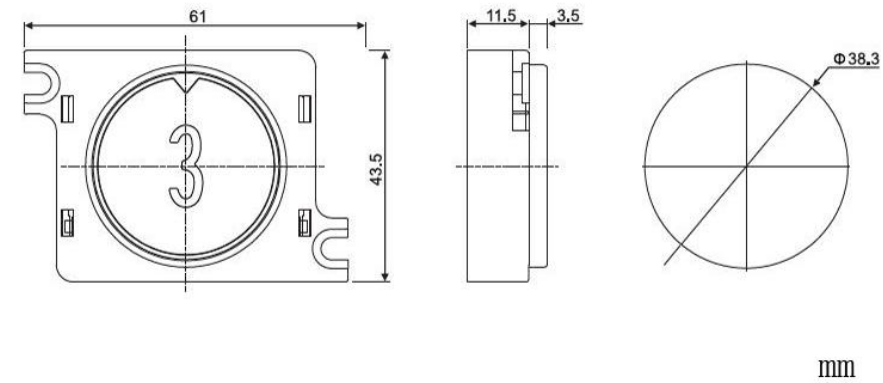
mm

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