

NKK's selection of accessories and hardware offers added protection or customization for switches. Panel seal qualities are enhanced with use of protective rubber boots for toggles or pushbuttons, and the boots offer extended defense against environmental elements. Additional security for pushbuttons or rockers is provided by NKK's line of protective guards and covers.

Panel Seal Boots

The splashproof boots seal switches to achieve IP65 rating or greater at the front panel.

Part Number	AT401 Half Boot	AT402 & AT402S Full Boots	AT428 Full Boot	AT4041 & AT4042 Full Boots	AT4043 Full Boot	AT4181 Full Boot
IP65 or Greater						
Material	AT401A for Oil Resistance: Nitrile Butadiene Rubber AT401H for Dust & Ozone Resistance: Ethylene Propylene Rubber AT401S for Flexibility, Resilience, Tensile Strength over Wide Temp Range: Silicone Rubber	AT402: Silicone Rubber for Black, Red, Yellow or Green Ethylene Propylene Rubber for Gray AT402S: Silicone Rubber	Silicone Rubber	AT4041: For Momentary AT4042: For Alternate Silicone Rubber	Silicone Rubber	Silicone Rubber
Color	AT401A: Black AT401H: Gray AT401S: Black	AT402: Black, Red, Yellow, Green or Gray AT402S: Black	Black	Black	Black	Black
Bushing	12mm	12mm	M6 or 1/4-40 Thd	M6 or 1/4-40 Thd	12mm	12mm
Series	M S WT	AT402: M S AT402S: M	D2 M	MB	MB SB WB	M S WT

SmartDisplay™ Splashproof Overlay

IP65 Rated Protection for Programmable Switches

IP65	Part Number	IS-SPA4X4A	IS-SPA2X2A	IS-SPA1X2A	IS-SPA1X1A
Number of Switches	Rows	4	2	1	1
	Columns	4	2	2	1
Dimensions	Width	125mm	80mm	80mm	55mm
	Height	115mm	74mm	53mm	53mm

The SmartDisplay overlay provides increased protection for SmartDisplay or any products where additional safeguarding is required. Installing over the switch cutout opening is sufficient to make the cutout splashproof. To achieve an IP65 rating, a supporting bezel is ideally used to reinforce the adhesive tape.

Products come in a package of two individual overlays in several standard sizes that cover typical size configurations of the SmartDisplay.

For custom sizes, contact engineering@nkkswitches.com.



Protective Guards & Covers

Part Number	AT499 Protective Guard	AT4001 Dust Cover	AT4002 Dust Cover	AT4072 Protective Guard
Material	Cover: Polycarbonate Base: Polyamide	Lid: Polyvinyl Chloride Gasket: Polyethylene	Lid: Polyvinyl Chloride Gasket: Polyethylene	Cover: Polycarbonate Base: Glass Fiber Reinforced Polycarbonate
Notes	Opens 90°, Closes Manually. Reduces Depth of Switch Behind Panel by .020" (0.5mm)	Reduces Depth of Switch Behind Panel by .020" (0.5mm)	Reduces Depth of Switch Behind Panel by .020" (0.5mm)	Opens 90°, Closes Manually. Reduces Depth of Switch Behind Panel by .047" (1.2mm)
Series	LB	LB UB	LB	YB
Part Number	AT4115 Dust/Splash Cover	AT4126 Dust Cover	AT4173 Protective Guard	AT9410 Splash Cover
Material	Lid: Polyvinyl Chloride Base: Polyamide	Lid: Polyvinyl Chloride Base: Polyamide	Cover: Polycarbonate Base: Polyamide Coil Spring: Stainless Steel	Lid: Polyvinyl Chloride Base: Polyethylene O-ring: Nitrile Butadiene Rubber
Notes	For Snap-in or Bushing Mount. Reduces Depth of Switch Behind Panel by .047" (1.2mm)	Rocker is Operable with Dust Cover in Place. Reduces Depth of Switch Behind Panel by .024" (0.6mm)	For Snap-in Model. Opens 180°, Closes Automatically	Reduces Depth of Switch Behind Panel by .020" (0.5mm)
Series	YB	JWL	UB	LB Panel Seal
Part Number	AT4142 Protective Guard	AT4145 Dust Cover	AT4172 Protective Guard	AT4175 Protective Guard
Material	Cover: Polycarbonate Base: GFR Polyamide Coil Spring: Stainless Steel	Lid: Polyvinyl Chloride Gasket: Polyethylene	Cover: Polycarbonate Base: GFR Polyamide Coil Spring: Stainless Steel	Cover: Polycarbonate Base: GFR Polyamide Coil Spring: Stainless Steel
Notes	For Snap-in Model. Opens 180°, Closes Automatically. Reduces Depth of Switch Behind Panel by .020" (0.5mm)	Not for Use with Barriers. Reduces Depth of Switch Behind Panel by .028" (0.7mm)	For Snap-in Model. Opens 180°, Closes Automatically. Reduces Depth of Switch Behind Panel by .020" (0.5mm)	Opens 180°, Closes Automatically. Reduces Depth of Switch Behind Panel by .047" (1.2mm)
Series	UB2	UB2	LB UB	YB