

### Cuboid proximity switches (Varikont L)

(active surface facing forward)

Type	Installation	Installation diagrams					Dimensions [mm]	
		X	Y	Y	B	Y	X	
NBB20-L2...	flush	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 60$	$\geq 80$	$\geq 0$	
NBN30-L2...	not flush	$\geq 20$	-	-	$\geq 90$	$\geq 160$	$\geq 10$	
NBN40-L2...	not flush	40	-	-	$\geq 120$	$\geq 160$	$\geq 20$	
NRB20-L3...	bündig	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 60$	$\geq 90$	$\geq 0$	
NRN35-L3...	nicht bündig	$\geq 35$	-	-	$\geq 105$	$\geq 200$	$\geq 15$	
NRN40-L3K...	nicht bündig	40	-	-	$\geq 120$	$\geq 300$	$\geq 20$	

(active surface facing up)

Type	Installation	Installation diagrams					Dimensions [mm]			
		X	Y	Y	X	Y	X	Y		
NBB20-L2...	flush	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	
NBN30-L2...	not flush	$\geq 0$	$\geq 15$	$\geq 20$	$\geq 30$ $\geq 40$	$\geq 5$ $\geq 0$	$\geq 30$ $\geq 40$	$\geq 10$ $\geq 0$		
NBN40-L2...	not flush	$\geq 0$	$\geq 28$	$\geq 35$	$\geq 0$	$\geq 28$	$\geq 0$	$\geq 35$		
NRB20-L3...	bündig	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$		
NRN35-L3...	nicht bündig	$\geq 0$	$\geq 30$	$\geq 35$	$\geq 30$ $\geq 40$	$\geq 20$ $\geq 10$	$\geq 30$ $\geq 40$	$\geq 30$ $\geq 20$		
NRN40-L3K...	nicht bündig	$\geq 0$	$\geq 45$	$\geq 45$	$\geq 30$ $\geq 40$	$\geq 20$ $\geq 10$	$\geq 30$ $\geq 40$	$\geq 30$ $\geq 20$		

### Flat Pack switches (FP)

Type	Installation	Installation diagrams					Dimensions [mm]		
		X	Y	Y	B	Y	Y		
NCB40-FP...	flush	$\geq 0$	$\geq 0$	$\geq 0$	120	$\geq 225$	$\geq 0$		
NCN50-FP...	not flush	$\geq 25$	$\geq 20$	$\geq 30$	150	$\geq 450$	$\geq 45$		
NCB50-FP...	flush	$\geq 5$	$\geq 0$	$\geq 0$	150	$\geq 250$	$\geq 5$		
NJ40-FP...	not flush	$\geq 40$	$\geq 0$	$\geq 0$	120	$\geq 150$	$\geq 20$		
NJ50-FP...	not flush	$\geq 40$	$\geq 20$	$\geq 0$	150	$\geq 240$	$\geq 45$		
NRB50-FP...	flush	$\geq 5$	$\geq 0$	$\geq 0$	150	$\geq 170$	$\geq 10$		
NRN75-FP...	not flush	$\geq 20$	$\geq 40$	$\geq 40$	200	$\geq 300$	$\geq 45$		

In individual cases deviations are possible due to exemplary dispersion

(active surface facing forward, continuation)

A = any		A = any			
X	Y	X	Y	X	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 70	
≥ 15	≥ 10	≥ 15	≥ 25	≥ 140	
≥ 20	≥ 0	≥ 20	≥ 15	≥ 300	
≥ 30	≥ 10	≥ 30	≥ 15	≥ 130	
≥ 40	≥ 0	≥ 40	≥ 0	≥ 250	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 300	
≥ 20	≥ 10	≥ 25	≥ 15		
≥ 30	≥ 0	≥ 30	≥ 0		
≥ 25	≥ 15	≥ 25	≥ 25		
≥ 40	≥ 0	≥ 40	≥ 0		

(active surface to the side)

	Type
X	
≥ 0	NBB20-L2...
-	NBN30-L2...
-	NBN40-L2...
≥ 0	NRB20-L3...
-	NRN35-L3...
-	NRN40-L3K...

(active surface facing up, continuation)

								Type
A = any		A = any		A = any		A = any		
Y	Y	X	Y	X	Y			
≥ 5	≥ 10	≥ 0	≥ 5	≥ 0	≥ 10	NBB20-L2...		
≥ 20	≥ 25	≥ 30	≥ 10	≥ 30	≥ 15	NBN30-L2...		
		≥ 40	≥ 0	≥ 40	≥ 5			
≥ 36	≥ 42	≥ 0	≥ 36	≥ 0	≥ 42	NBN40-L2...		
≥ 5	≥ 10	≥ 0	≥ 5	≥ 0	≥ 10	NRB20-L3...		
≥ 35	≥ 40	≥ 30	≥ 20	≥ 30	≥ 30	NRN35-L3...		
		≥ 40	≥ 10	≥ 40	≥ 20			
≥ 45	≥ 50	≥ 30	≥ 20	≥ 30	≥ 30	NRN40-L3K...		
		≥ 40	≥ 10	≥ 40	≥ 20			

Flat Pack switches (FP), continuation

	Type
X	
≥ 290	NCB40-FP...
≥ 530	NCN50-FP...
≥ 240	NCB50-FP...
≥ 400	NJ40-FP...
≥ 500	NJ50-FP...
≥ 250	NRB50-FP...
≥ 560	NRN75-FP...

**Mutual interference**

To prevent the mutual interference between two similar sensors the minimum distances specified in these tables must be kept. For applications where these distances cannot be maintained proximity switches with offset frequencies are available upon request. These can then be installed directly adjacent.

Please talk to our product specialist.