

## Cuboid proximity switches (Varikont L)

(active surface facing forward)

Type	Installation	Diagram 1		Diagram 2		Diagram 3		Diagram 4	
		X	Y	Y	Y	B	Y	X	
				A = any		A = any			
	Dimensions [mm]	X	Y	Y	Y	B	Y	X	
NJ15-M1...	not flush	≥ 20	-	-	-	≥ 45	≥ 40	≥ 4	
NBB20-L2...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 60	≥ 80	≥ 0	
NBB30-L2K...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 90	≥ 220	≥ 0	
NAN30-L2...	not flush	≥ 20	-	-	-	≥ 90	≥ 160	≥ 10	
NBN30-L2...	not flush	≥ 20	-	-	-	≥ 90	≥ 160	≥ 10	
NBN40-L2...	not flush	40	-	-	-	≥ 120	≥ 160	≥ 20	
NRB20-L3...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 60	≥ 90	≥ 0	
NRN35-L3...	not flush	≥ 35	-	-	-	≥ 105	≥ 200	≥ 15	
NRN40-L3K...	not flush	40	-	-	-	≥ 120	≥ 300	≥ 20	
NBN50-L2K...	not flush	≥ 40	-	-	-	≥ 150	≥ 300	≥ 28	

(active surface facing up)

Type	Installation	Diagram 1		Diagram 2		Diagram 3		Diagram 4	
		X	Y	Y	Y	X	Y	X	Y
				A ≤ 40		A ≤ 40		A ≤ 40	
	Dimensions [mm]	X	Y	Y	Y	X	Y	X	Y
NBB20-L2...	flush	any	≥ 0	≥ 0	any	≥ 0	any	any	≥ 0
NBB30-L2K...	flush	any	≥ 0	≥ 0	any	≥ 0	any	any	≥ 0
NAN30-L2...	not flush	any	≥ 15	≥ 20	≥ 30	≥ 5	≥ 30	≥ 30	≥ 10
NBN30-L2...	not flush	any	≥ 15	≥ 20	≥ 40	≥ 0	≥ 40	≥ 40	≥ 0
NBN40-L2...	not flush	≥ 0	≥ 28	≥ 35	≥ 30	≥ 5	≥ 30	≥ 30	≥ 10
NRB20-L3...	bündig	any	≥ 0	≥ 0	≥ 40	≥ 0	≥ 40	≥ 40	≥ 0
NRN35-L3...	not flush	any	≥ 30	≥ 35	≥ 0	≥ 28	≥ 0	≥ 0	≥ 35
NRN40-L3K...	not flush	≥ 0	≥ 45	≥ 45	≥ 30	≥ 20	≥ 30	≥ 30	≥ 30
NBN50-L2K...	not flush	any	≥ 30	≥ 40	≥ 40	≥ 10	≥ 40	≥ 40	≥ 20
					≥ 30	≥ 25	≥ 30	≥ 30	≥ 30
					≥ 40	≥ 15	≥ 40	≥ 40	≥ 25

(active surface facing forward, continuation)

X	Y	X	Y	X	
≥ 4	≥ 25	≥ 4	≥ 25	≥ 70	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 70	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 300	
≥ 15	≥ 10	≥ 15	≥ 25	≥ 140	
≥ 20	≥ 0	≥ 20	≥ 15	≥ 140	
≥ 15	≥ 10	≥ 15	≥ 25	≥ 300	
≥ 20	≥ 0	≥ 20	≥ 15	≥ 130	
≥ 30	≥ 10	≥ 30	≥ 15	≥ 250	
≥ 40	≥ 0	≥ 40	≥ 0	≥ 300	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 300	
≥ 20	≥ 10	≥ 25	≥ 15	≥ 400	
≥ 30	≥ 0	≥ 30	≥ 0		
≥ 25	≥ 15	≥ 25	≥ 25		
≥ 40	≥ 0	≥ 40	≥ 0		
≥ 30	≥ 40	≥ 30	≥ 60		
≥ 35	≥ 0	≥ 35	≥ 30		

(active surface to the side)

	Type
X	
-	NJ15-M1...
≥ 40	NBB20-L2...
>36	NBB30-L2K...
-	NAN30-L2...
-	NBN30-L2...
-	NBN40-L2...
≥ 40	NRB20-L3...
-	NRN35-L3...
-	NRN40-L3K...
-	NBN50-L2K...

(active surface facing up, continuation)

								Type
Y	Y	X	Y	X	Y			
≥ 5	≥ 10	≥ 0	≥ 5	≥ 0	≥ 10	NBB20-L2...		
≥ 13	≥ 20	0	≥ 13	0	≥ 20	NBB30-L2K...		
≥ 20	≥ 25	≥ 30	≥ 10	≥ 30	≥ 15	NAN30-L2...		
≥ 20	≥ 25	≥ 40	≥ 0	≥ 40	≥ 5	NBN30-L2...		
≥ 20	≥ 25	≥ 30	≥ 10	≥ 30	≥ 15	NBN40-L2...		
≥ 36	≥ 42	≥ 40	≥ 0	≥ 40	≥ 5	NRB20-L3...		
≥ 5	≥ 10	≥ 0	≥ 5	≥ 0	≥ 10	NRN35-L3...		
≥ 35	≥ 40	≥ 30	≥ 20	≥ 30	≥ 30	NRN40-L3K...		
≥ 35	≥ 40	≥ 40	≥ 10	≥ 40	≥ 20	NBN50-L2K...		
≥ 45	≥ 50	≥ 30	≥ 20	≥ 30	≥ 30			
≥ 45	≥ 50	≥ 40	≥ 10	≥ 40	≥ 20			
≥ 40	≥ 45	≥ 30	≥ 35	≥ 30	≥ 40			
≥ 40	≥ 45	≥ 40	≥ 35	≥ 40	≥ 40			

**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.

**Flat Pack switches (FP)**

Type	Installation						
		X	Y	Y	B	Y	Y
NCB40-FP..	flush	≥ 0	≥ 0	≥ 0	120	≥ 225	≥ 0
NCN50-FP..	not flush	≥ 25	≥ 20	≥ 30	150	≥ 450	≥ 45
NCB50-FP..	flush	≥ 5	≥ 0	≥ 0	150	≥ 250	≥ 5
NJ40-FP..	not flush	≥ 40	≥ 20	≥ 20	120	≥ 150	≥ 20
NJ50-FP..	not flush	≥ 40	≥ 20	≥ 30	150	≥ 240	≥ 45
NRB50-FP..	flush	≥ 5	≥ 0	≥ 0	150	≥ 170	≥ 10
NRN75-FP..	not flush	≥ 20	≥ 40	≥ 40	200	≥ 300	≥ 45

In individual cases deviations are possible due to exemplary dispersion

**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..