

**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	
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	
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	X	Y	X	Y	
NBB20-L2...	flush	any	≥ 0	≥ 0	any	≥ 0	any	≥ 0	
NBB30-L2K...	flush	any	≥ 0	≥ 0	any	≥ 0	any	≥ 0	
NBN30-L2...	not flush	any	≥ 15	≥ 20	≥ 30 ≥ 40	≥ 5 ≥ 0	≥ 30 ≥ 40	≥ 10 ≥ 0	
NBN40-L2...	not flush	≥ 0	≥ 28	≥ 35	≥ 0	≥ 28	≥ 0	≥ 35	
NRB20-L3...	bündig	any	≥ 0	≥ 0	any	≥ 0	any	≥ 0	
NRN35-L3...	not flush	any	≥ 30	≥ 35	≥ 30 ≥ 40	≥ 20 ≥ 10	≥ 30 ≥ 40	≥ 30 ≥ 20	
NRN40-L3K...	not flush	≥ 0	≥ 45	≥ 45	≥ 30 ≥ 40	≥ 20 ≥ 10	≥ 30 ≥ 40	≥ 30 ≥ 20	
NBN50-L2K...	not flush	any	≥ 30	≥ 40	≥ 30 ≥ 40	≥ 25 ≥ 15	≥ 30 ≥ 40	≥ 30 ≥ 25	

(active surface facing forward, continuation)

A = any		A = any			
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		
≥ 30	≥ 10	≥ 30	≥ 15	≥ 300	
≥ 40	≥ 0	≥ 40	≥ 0		
≥ 0	≥ 0	≥ 0	≥ 0	≥ 130	
≥ 20	≥ 10	≥ 25	≥ 15	≥ 250	
≥ 30	≥ 0	≥ 30	≥ 0		
≥ 25	≥ 15	≥ 25	≥ 25	≥ 300	
≥ 40	≥ 0	≥ 40	≥ 0		
≥ 30	≥ 40	≥ 30	≥ 60	≥ 400	
≥ 35	≥ 0	≥ 35	≥ 30		

(active surface to the side)

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

(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...		
≥ 13	≥ 20	0	≥ 13	0	≥ 20	NBB30-L2K...		
≥ 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			
≥ 40	≥ 45	≥ 30	≥ 35	≥ 30	≥ 40	NBN50-L2K...		
		≥ 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 off-set 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	≥ 0	≥ 0	120	≥ 150	≥ 20
NJ50-FP..	not flush	≥ 40	≥ 20	≥ 0	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..



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