

## 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	$\geq 20$	-	-	-	$\geq 45$	$\geq 40$	$\geq 4$	
NBB20-L2...	flush	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 60$	$\geq 80$	$\geq 0$	
NBB30-L2K...	flush	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 90$	$\geq 220$	$\geq 0$	
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...	flush	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 0$	$\geq 60$	$\geq 90$	$\geq 0$	
NRN35-L3...	not flush	$\geq 35$	-	-	-	$\geq 105$	$\geq 200$	$\geq 15$	
NRN40-L3K...	not flush	40	-	-	-	$\geq 120$	$\geq 300$	$\geq 20$	
NBN50-L2K...	not flush	$\geq 40$	-	-	-	$\geq 150$	$\geq 300$	$\geq 28$	

(active surface facing up)

Type	Installation	Diagram 1		Diagram 2		Diagram 3		Diagram 4	
		X	Y	Y	Y	X	Y	X	Y
NBB20-L2...	flush	any	$\geq 0$	$\geq 0$	any	$\geq 0$	any	$\geq 0$	
NBB30-L2K...	flush	any	$\geq 0$	$\geq 0$	any	$\geq 0$	any	$\geq 0$	
NBN30-L2...	not flush	any	$\geq 15$	$\geq 20$	$\geq 30$ $\geq 40$	$\geq 5$ $\geq 0$	$\geq 30$ $\geq 40$	$\geq 10$ $\geq 0$	
NBN40-L2...	not flush	$\geq 0$	$\geq 28$	$\geq 35$	$\geq 0$	$\geq 28$	$\geq 0$	$\geq 35$	
NRB20-L3...	bündig	any	$\geq 0$	$\geq 0$	any	$\geq 0$	any	$\geq 0$	
NRN35-L3...	not flush	any	$\geq 30$	$\geq 35$	$\geq 30$ $\geq 40$	$\geq 20$ $\geq 10$	$\geq 30$ $\geq 40$	$\geq 30$ $\geq 20$	
NRN40-L3K...	not flush	$\geq 0$	$\geq 45$	$\geq 45$	$\geq 30$ $\geq 40$	$\geq 20$ $\geq 10$	$\geq 30$ $\geq 40$	$\geq 30$ $\geq 20$	
NBN50-L2K...	not flush	any	$\geq 30$	$\geq 40$	$\geq 30$ $\geq 40$	$\geq 25$ $\geq 15$	$\geq 30$ $\geq 40$	$\geq 30$ $\geq 25$	

(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	
≥ 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		
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 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..