

Cuboid proximity switches (Varikont)

(active surface facing forward)

Type	Installation	Diagram 1		Diagram 2		Diagram 3		Diagram 4	
		X	Y	Y	Y	B	Y	X	
	Dimensions [mm]								
NJ15+U1+...	flush	≥ 0	≥ 0	≥ 0	≥ 0	45	≥ 50	≥ 0	
NCB15+U1...	flush	≥ 0	≥ 0	≥ 0	≥ 0	45	≥ 60	≥ 0	
NJ20+U1...(AC)	non-flush	≥ 20	-	-	-	60	≥ 60	≥ 5	
NJ20+U1...(DC)	flush	≥ 0	≥ 0	≥ 0	≥ 0	60	≥ 40	≥ 0	
NCN20+U1+...	non-flush	≥ 25	-	-	-	60	≥ 120	≥ 10	
NJ30+U1+...	non-flush	≥ 35	-	-	-	90	≥ 120	≥ 20	
NCN30+U1+...	non-flush	≥ 30	-	-	-	90	≥ 100	≥ 20	
NJ40+U1+... (head 55 x 55 mm)	non-flush	-	-	-	-	120	≥ 160	≥ 25	
NCN40+U1+...(AC) (head 55 x 55 mm)	non-flush	-	-	-	-	120	≥ 240	≥ 25	
NCN40+U1+...(DC) (head 40 x 40 mm)	non-flush	-	-	-	-	120	≥ 160	≥ 25	
NRB20-U1...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 60	≥ 90	≥ 0	
NRN40-U1...	non-flush								

(active surface facing up)

Type	Installation	Diagram 1		Diagram 2		Diagram 3		Diagram 4	
		X	Y	Y	X	Y	X	Y	
	Dimensions [mm]								
NJ15+U1+...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NCB15+U1...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NJ20+U1...(AC)	non-flush	≥ 0	-	-	-	≥ 30 ≥ 40	≥ 5 ≥ 0	≥ 30 ≥ 40	≥ 5 ≥ 0
NJ20+U1...(DC)	flush	≥ 0	≥ 0	≥ 5	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NCN20+U1+...	non-flush	≥ 0	≥ 10	≥ 20	≥ 0	≥ 0	≥ 10	≥ 0	≥ 20
NJ30+U1+...	non-flush	≥ 15	-	-	≥ 40	≥ 40	≥ 15	≥ 40	≥ 20
NCN30+U1+...	non-flush	≥ 0	-	-	≥ 30 ≥ 40	≥ 30 ≥ 40	≥ 5 ≥ 0	≥ 30 ≥ 40	≥ 10 ≥ 5
NJ40+U1+... (head 55 x 55 mm)	non-flush	≥ 0	-	-	≥ 45	≥ 45	≥ 0	≥ 55	≥ 0
NCN40+U1+...(AC) (head 55 x 55 mm)	non-flush	≥ 0	-	-	≥ 50	≥ 50	≥ 0	≥ 55	≥ 0
NCN40+U1+...(DC) (head 40 x 40 mm)	non-flush	≥ 30	-	-	≥ 40	≥ 40	≥ 15	≥ 40	≥ 20
NRB20-U1...	flush	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
NRN40-U1...	non-flush	≥ 0	≥ 45	≥ 45	≥ 30 ≥ 40	≥ 30 ≥ 40	≥ 20 ≥ 10	≥ 30 ≥ 40	≥ 30 ≥ 20

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	≥ 50
≥ 0	≥ 0	≥ 0	≥ 0	≥ 80
≥ 10	≥ 5	≥ 10	≥ 15	≥ 60
≥ 20	≥ 0	≥ 20	≥ 0	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 50
≥ 20	≥ 0	≥ 20	≥ 0	≥ 120
≥ 30	≥ 0	≥ 30	≥ 10	≥ 160
		≥ 40	≥ 0	
≥ 30	≥ 10	≥ 40	≥ 0	≥ 100
≥ 40	≥ 0			
≥ 30	≥ 0	≥ 30	≥ 20	≥ 180
		≥ 40	≥ 0	
≥ 30	≥ 0	≥ 40	≥ 0	≥ 300
≥ 30	≥ 10	≥ 30	≥ 15	≥ 300
≥ 40	≥ 0	≥ 40	≥ 0	
≥ 0	≥ 0	≥ 0	≥ 0	≥ 130
≥ 25	≥ 15	≥ 25	≥ 25	≥ 300
≥ 40	≥ 0	≥ 40	≥ 0	

(active surface to the side)

	Type
≥ 0	NJ15+U1+...
≥ 0	NCB15+U1...
≥ 20	NJ20+U1...(AC)
≥ 0	NJ20+U1...(DC)
≥ 25	NCN20+U1+...
≥ 30	NJ30+U1+...
≥ 30	NCN30+U1+...
≥ 45	NJ40+U1+... (head 55 x 55 mm)
≥ 45	NCN40+U1+...(AC) (head 55 x 55 mm)
-	NCN40+U1+...(DC) (head 40 x 40 mm)
≥ 0	NRB20-U1...
-	NRN40-U1...

(active surface facing up, continuation)

 A = any		 A = any		 A = any		 A = any		Type
Y	Y	X	Y	X	Y	X	Y	
≥ 0	≥ 5	≥ 0	≥ 0	≥ 0	≥ 5	≥ 0	≥ 5	NJ15+U1+...
≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	NCB15+U1...
-	-	≥ 30	≥ 5	≥ 30	≥ 5	≥ 30	≥ 5	NJ20+U1...(AC)
		≥ 40	≥ 0	≥ 40	≥ 0	≥ 40	≥ 0	
≥ 0	≥ 5	≥ 0	≥ 0	≥ 0	≥ 5	≥ 0	≥ 5	NJ20+U1...(DC)
≥ 10	≥ 20	≥ 0	≥ 10	≥ 0	≥ 20	≥ 0	≥ 20	NCN20+U1+...
-	-	≥ 40	≥ 15	≥ 40	≥ 20	≥ 40	≥ 20	NJ30+U1+...
-	-	≥ 30	≥ 5	≥ 30	≥ 10	≥ 30	≥ 10	NCN30+U1+...
		≥ 40	≥ 0	≥ 40	≥ 5	≥ 40	≥ 5	
-	-	≥ 50	≥ 0	≥ 55	≥ 5	≥ 55	≥ 5	NJ40+U1+... (head 55 x 55 mm)
-	-	≥ 50	≥ 0	≥ 55	≥ 5	≥ 55	≥ 5	NCN40+U1+...(AC) (head 55 x 55 mm)
-	-	≥ 40	≥ 15	≥ 40	≥ 20	≥ 40	≥ 20	NCN40+U1+...(DC) (head 40 x 40 mm)
≥ 5	≥ 10	≥ 0	≥ 5	≥ 0	≥ 10	≥ 0	≥ 10	NRB20-U1...
≥ 45	≥ 50	≥ 30	≥ 20	≥ 30	≥ 30	≥ 30	≥ 30	NRN40-U1...
		≥ 40	≥ 10	≥ 40	≥ 20	≥ 40	≥ 20	