



**A LEVEL HIGHER  
THE NEW VARIKONT®**



Stress-free guarantee

**PF** PEPPERL+FUCHS



## RAPID PLANNING ...

**Stress-free project planning – everything under control with the new VariKont®.**

Whether you are aiming to reach new heights with your rollercoaster or planning to open a bakery by the summer – the VariKont® will help you implement your plans in the most efficient way possible.



## RAPID INSTALLATION ...

**Stress-free installation – The new VariKont®: pushing the boundaries of versatility.**

Seamless replacement: simply remove the old switch and insert the new one. It could not be any easier. VariKont® means 100% compatibility.



## RAPID MAINTENANCE ...

**Stress-free maintenance – A better overview with the new VariKont®.**

A new monitoring and control concept. LEDs on the corners indicate the current status and give you overview of machine operations so you can keep everything under control.

**The new VariKont® – with 4 LEDs.**

**Excellent choice**

– Market leader since 1958

**4 LEDs**

– Visible from all angles

**Cosmopolitan**

– Now available as R1 version



**Superior EMC**

– Simplified planning



### Easy installation

- Standardized terminal base

### Compact dimensions

- 1 head for many operating distances

### Weatherproof

- Robust, water proof, UV resistant

### Highly versatile

- Designed for indoor and outdoor use

### Temperature resistant

- Temperature range -25 °C to +85 °C

[www.a-level-higher.com](http://www.a-level-higher.com)

**PEPPERL+FUCHS**



## PRODUCT OVERVIEW VARIKONT®

Model number	Mounting method	Operating distance	Output function	Output type	Voltage type	
NBB20-U1-A0	embeddable	20 mm	npn	Antivalent	4-wire	DC
NBB20-U1-A2	embeddable	20 mm	pnp	Antivalent	4-wire	DC
NBB20-U1-A0-T	embeddable	20 mm	npn	Antivalent	4-wire	DC
NBB20-U1-A2-T	embeddable	20 mm	pnp	Antivalent	4-wire	DC
NBB20-U1-E0	embeddable	20 mm	npn	NO	3-wire	DC
NBB20-U1-E1	embeddable	20 mm	npn	NC	3-wire	DC
NBB20-U1-E2	embeddable	20 mm	pnp	NO	3-wire	DC
NBB20-U1-E3	embeddable	20 mm	pnp	NC	3-wire	DC
NBB20-U1-Z2	embeddable	20 mm		NC or NO	2-wire	DC
NBB20-U1-E2-C	embeddable	20 mm	pnp	NO	3-wire	DC
NRB20-U1-A2	embeddable	20 mm <sup>1)</sup>	pnp	Antivalent	4-wire	DC
NBB20-U1-N0	embeddable	20 mm	NAMUR	NC	2-wire	DC
NBB20-U1-U	embeddable	20 mm		NC or NO	2-wire	AC/DC
NBB20-U1-U-T	embeddable	20 mm		NC or NO	2-wire	AC/DC
NBB20-U1-W4	embeddable	20 mm		Antivalent	4-wire	AC
						Available in 2009
NBN40-U1-A0	non-embeddable	40 mm	npn	Antivalent	4-wire	DC
NBN40-U1-A2	non-embeddable	40 mm	pnp	Antivalent	4-wire	DC
NBN40-U1-A0-T	non-embeddable	40 mm	npn	Antivalent	4-wire	DC
NBN40-U1-A2-T	non-embeddable	40 mm	pnp	Antivalent	4-wire	DC
NBN40-U1-E0	non-embeddable	40 mm	npn	NO	3-wire	DC
NBN40-U1-E1	non-embeddable	40 mm	npn	NC	3-wire	DC
NBN40-U1-E2	non-embeddable	40 mm	pnp	NO	3-wire	DC
NBN40-U1-E3	non-embeddable	40 mm	pnp	NC	3-wire	DC
NBN40-U1-Z2	non-embeddable	40 mm		NC or NO	2-wire	DC
NBN40-U1-E2-C	non-embeddable	40 mm	pnp	NO	3-wire	DC
NRN40-U1-A2	non-embeddable	40 mm <sup>1)</sup>	pnp	Antivalent	4-wire	DC
NBN40-U1-N0	non-embeddable	40 mm	NAMUR	NC	2-wire	DC
NBN40-U1-U	non-embeddable	40 mm		NC or NO	2-wire	AC/DC
NBN40-U1-W4	non-embeddable	40 mm		Antivalent	4-wire	AC
						Available in 2009

pnp switched high; npn switched low  
Other amplifier versions on request.

<sup>1)</sup> Reduction factor 1, same operating distance for all metals

### Mounting accessory:

#### MHW 01

Modular mounting bracket for profile sections



#### MH 04-2057

Mounting bracket 30 mm adjustment range



#### MH 04-2681

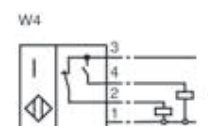
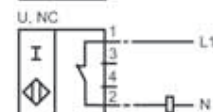
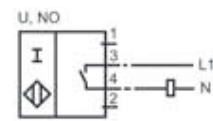
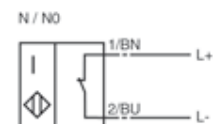
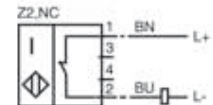
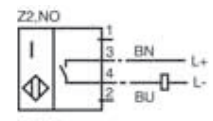
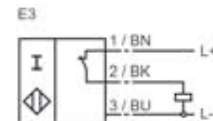
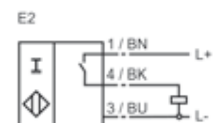
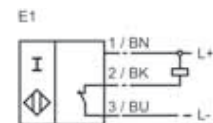
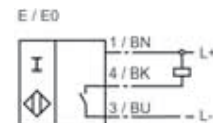
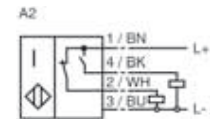
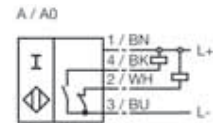
Mounting bracket 20 mm adjustment range and 360° turning range



See our catalog or internet site for more accessories.

[www.a-level-higher.com](http://www.a-level-higher.com)

### Circuit diagrams



# FACTORY AUTOMATION – SENSING YOUR NEEDS



Pepperl+Fuchs sets the standard in quality and innovative technology for the world of automation. Our expertise, dedication, and heritage of innovation have driven us to develop the largest and most versatile line of industrial sensor technologies and interface components in the world. With our global presence, reliable service, and flexible production facilities, Pepperl+Fuchs delivers complete solutions for your automation requirements – wherever you need us.

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