

VariKont U1 Series



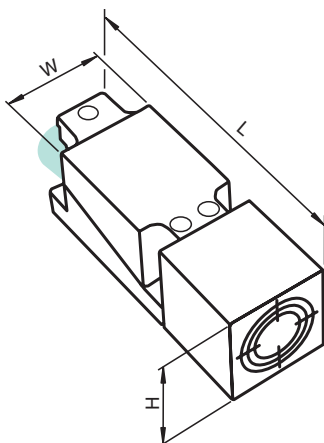
Standard Technical Data

UL

For detailed data and description, see the datasheet. Further products can be found online at www.pepperl-fuchs.com.

Model number	Type of installation	Detection range [mm]	Output type	Output type	Switching function	Voltage type	Switching frequency [Hz]	UB (min)	UB (max)	Connection type	Length L	Width W	Height H	CCC	CSA	EAC
NBB15-U1-A0	Flush	15	4-wire	NPN	Complementary	DC	560	10	30	Terminal compartment	118	40	40			
NBB15-U1-A2	Flush	15	4-wire	PNP	Complementary	DC	560	10	30	Terminal compartment	118	40	40			■
NBB15-U1-A2-V1	Flush	15	4-wire	PNP	Complementary	DC	560	10	30	M12 connector plug	118	40	40			
NBB15-U1-E0	Flush	15	3-wire	NPN	Normally-open (NO)	DC	560	10	30	Terminal compartment	118	40	40			
NBB15-U1-E1	Flush	15	3-wire	NPN	Normally-closed (NC)	DC	560	10	30	Terminal compartment	118	40	40			
NBB15-U1-E2	Flush	15	3-wire	PNP	Normally-open (NO)	DC	560	10	30	Terminal compartment	118	40	40			■
NBB15-U1-E2-V1	Flush	15	3-wire	PNP	Normally-open (NO)	DC	560	10	30	M12 connector plug	118	40	40			
NBB15-U1-E3	Flush	15	3-wire	PNP	Normally-closed (NC)	DC	560	10	30	Terminal compartment	118	40	40			
NBB15-U1-Z2	Flush	15	2-wire	2-wire	Normally open/close selectable	DC	400	5	60	Terminal compartment	118	40	40	■		■
NJ15+U1+DW1-1	Flush	15	3-wire	PNP	Normally-open (NO)	DC	1	15	60	Terminal compartment	118	40	40	■	■	
NJ15+U1+DW1-10	Flush	15	3-wire	PNP	Normally-open (NO)	DC	10	15	60	Terminal compartment	118	40	40	■	■	
NJ15+U1+DW1-100	Flush	15	3-wire	PNP	Normally-open (NO)	DC	100	15	60	Terminal compartment	118	40	40	■	■	
NBB20-U1-A0	Flush	20	4-wire	NPN	Complementary	DC	440	10	30	Terminal compartment	118	40	40			
NBB20-U1-A2	Flush	20	4-wire	PNP	Complementary	DC	440	10	30	Terminal compartment	118	40	40			■
NBB20-U1-A2-V1	Flush	20	4-wire	PNP	Complementary	DC	440	10	30	M12 connector plug	118	40	40			
NBB20-U1-B3B	Flush	20	2-wire	AS-Interface	Normally open/close selectable	DC	150	26.5	31.9	Terminal compartment	118	40	40		■	
NBB20-U1-E0	Flush	20	3-wire	NPN	Normally-open (NO)	DC	440	10	30	Terminal compartment	118	40	40			
NBB20-U1-E1	Flush	20	3-wire	NPN	Normally-closed (NC)	DC	440	10	30	Terminal compartment	118	40	40			
NBB20-U1-E2	Flush	20	3-wire	PNP	Normally-open (NO)	DC	440	10	30	Terminal compartment	118	40	40			■
NBB20-U1-E2-V1	Flush	20	3-wire	PNP	Normally-open (NO)	DC	440	10	30	M12 connector plug	118	40	40			
NBB20-U1-E3	Flush	20	3-wire	PNP	Normally-closed (NC)	DC	440	10	30	Terminal compartment	118	40	40			
NBB20-U1-UU	Flush	20	2-wire	2-wire	Normally open/close selectable	AC/DC	100	20	300	Terminal compartment	118	40	40	■		
NBB20-U1-Z2	Flush	20	2-wire	2-wire	Normally open/close selectable	DC	250	5	60	Terminal compartment	118	40	40	■		■
NJ20P+U1+A2	Non-flush	20	4-wire	PNP	Complementary	DC	200	10	30	Terminal compartment	118	40	40		■	
NBN30-U1-A0	Non-flush	30	4-wire	NPN	Complementary	DC	230	10	30	Terminal compartment	118	40	40			
NBN30-U1-A2	Non-flush	30	4-wire	PNP	Complementary	DC	230	10	30	Terminal compartment	118	40	40			■
NBN30-U1-A2-V1	Non-flush	30	4-wire	PNP	Complementary	DC	230	10	30	M12 connector plug	118	40	40			
NBN30-U1-E0	Non-flush	30	3-wire	NPN	Normally-open (NO)	DC	230	10	30	Terminal compartment	118	40	40			
NBN30-U1-E1	Non-flush	30	3-wire	NPN	Normally-closed (NC)	DC	230	10	30	Terminal compartment	118	40	40			
NBN30-U1-E2	Non-flush	30	3-wire	PNP	Normally-open (NO)	DC	230	10	30	Terminal compartment	118	40	40			
NBN30-U1-E2-V1	Non-flush	30	3-wire	PNP	Normally-open (NO)	DC	230	10	30	M12 connector plug	118	40	40			
NBN30-U1-E3	Non-flush	30	3-wire	PNP	Normally-closed (NC)	DC	230	10	30	Terminal compartment	118	40	40			
NBN30-U1-Z2	Non-flush	30	2-wire	2-wire	Normally open/close selectable	DC	150	5	60	Terminal compartment	118	40	40	■		
NJ30P+U1+A2	Non-flush	30	4-wire	PNP	Complementary	DC	150	10	30	Terminal compartment	128	55	55		■	
NJ30+U1+DW1-1	Non-flush	30	3-wire	PNP	Normally-open (NO)	DC	1	15	60	Terminal compartment	118	40	40		■	
NJ30+U1+DW1-10	Non-flush	30	3-wire	PNP	Normally-open (NO)	DC	10	15	60	Terminal compartment	118	40	40		■	
NBN40-U1-A0	Non-flush	40	4-wire	NPN	Complementary	DC	180	10	30	Terminal compartment	118	40	40			
NBN40-U1-A2	Non-flush	40	4-wire	PNP	Complementary	DC	180	10	30	Terminal compartment	118	40	40			■

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NBN40-U1-A2-V1	Non-flush	40	4-wire	PNP	Complementary	DC	180	10	30	M12 connector plug	118	40	40			
NBN40-U1-B3B	Non-flush	40	2-wire	AS-Interface	Normally open/close selectable	DC	150	26.5	31.9	Terminal compartment	118	40	40		■	
NBN40-U1-E0	Non-flush	40	3-wire	NPN	Normally-open (NO)	DC	180	10	30	Terminal compartment	118	40	40			
NBN40-U1-E1	Non-flush	40	3-wire	NPN	Normally-closed (NC)	DC	180	10	30	Terminal compartment	118	40	40			
NBN40-U1-E1-V1	Non-flush	40	3-wire	NPN	Normally-closed (NC)	DC	180	10	30	M12 connector plug	118	40	40			
NBN40-U1-E2	Non-flush	40	3-wire	PNP	Normally-open (NO)	DC	180	10	30	Terminal compartment	118	40	40			■
NBN40-U1-E2-V1	Non-flush	40	3-wire	PNP	Normally-open (NO)	DC	180	10	30	M12 connector plug	118	40	40			
NBN40-U1-E3	Non-flush	40	3-wire	PNP	Normally-closed (NC)	DC	180	10	30	Terminal compartment	118	40	40			
NBN40-U1-UU	Non-flush	40	2-wire	2-wire	Normally open/close selectable	AC/DC	100	20	300	Terminal compartment	118	40	40	■		
NBN40-U1-Z2	Non-flush	40	2-wire	2-wire	Normally open/close selectable	DC	100	5	60	Terminal compartment	118	40	40	■		
NBN40-U1L-A0	Non-flush	40	4-wire	NPN	Complementary	DC	100	10	30	Terminal compartment	128	55	55			
NBN40-U1L-A2	Non-flush	40	4-wire	PNP	Complementary	DC	100	10	30	Terminal compartment	128	55	55			
NBN40-U1L-A2-V1	Non-flush	40	4-wire	PNP	Complementary	DC	100	10	30	M12 connector plug	128	55	55			
NBN40-U1L-E2	Non-flush	40	3-wire	PNP	Normally-open (NO)	DC	100	10	30	Terminal compartment	128	55	55			
NBN40-U1L-UU	Non-flush	40	2-wire	2-wire	Normally open/close selectable	AC/DC	25	20	300	Terminal compartment	128	55	55			
NBN40-U1L-Z2	Non-flush	40	2-wire	Two-wire	Normally open/close selectable	DC	100	5	60	Terminal compartment	128	55	55		■	
NJ40+U1+E	Non-flush	40	3-wire	NPN	Normally-open (NO)	DC	100	10	60	Terminal compartment	128	55	55	■	■	
NJ40+U1+E2	Non-flush	40	3-wire	PNP	Normally-open (NO)	DC	100	10	60	Terminal compartment	128	55	55	■	■	■
NJ40+U1+E2-V1	Non-flush	40	3-wire	PNP	Normally-open (NO)	DC	100	10	60	M12 connector plug	128	55	55	■	■	



Accessories	
MH 04-2681F	Mounting aid for VariKont, +U1+, and +U9* sensors
MHW 01	Modular mounting bracket
V1-G-2M-PUR	Single-ended female cordset, M12, 4-pin, PUR cable
V1-M20-80	Receptacle, M12/M20; plastic version
V1-W-2M-PUR	Single-ended female cordset, M12, 4-pin, PUR cable